

Dental Council

Workforce Analysis 2013-2015

Including updated 2012 demographic data

Primary reporting periods:

Dentists and dental specialists
1st October 2012 – 30th September 2015

Dental therapists, hygienists, and technicians
1st April 2013 – 31st March 2015

July 2017

Dental Council
Te Kaunihera Tiaki Niho

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Introduction

This report provides an overview of the oral health workforce based on data from the Dental Council (the Council) registration system, workforce survey data collected from oral health practitioners and graduate data from the universities offering dental related programmes.

Previous Council workforce reports were for a single year with summary conclusions drawn from comparison with the previous year's report. This report covers the workforce data of 2013, 2014 and 2015. Revised demographic statistics for 2012 have also been included to provide consistency with the approach and methodology used for 2013 to 2015. This provides four years of comparative information which is the major focus of this report.

From a workforce planning point of view, the interest is mainly in key changes or critical observations over time. Observations over an extended period of time also allow for predictive analysis which can support future workforce planning based on a data driven, evidence-based approach rather than intuitive perceptions. Hopefully the adopted approach for this report will offer users valuable context and insights into the oral health workforce.

Update to 2012 analysis

Data used for this analysis has been carefully assessed to ensure that it is representative of the population for the reporting year. A number of records were identified that had been excluded from the workforce extracts used for previous analyses, as a result of the way the data is identified within the registration database for the workforce extract. Great care was taken to ensure that active records during the respective years were identified and included in the data to ensure that the statistics were as true a reflection as possible.

Due to these changes, these results are not directly comparable with workforce reports published before 2011/12. For this reason, the demographic analysis was repeated for 2012 using an updated dataset, and changes included in this report for comparison. The updates only relate to demographic data, as no workforce survey (practice-related) data was contained within the records added.

Report improvements and additions

Traditionally in the analysis of age groups, 65+ is treated as a single group. With the increased life expectancy and health improvements more people are choosing to continue working after 65. To ascertain whether this hypothesis is realised, the age groups have been expanded to include additional categories for 65-70, 70-74 and 75+ to provide increased visibility of these subgroups.

Classifications used in this report follow Statistics New Zealand standards where they exist and are applicable.

Where relevant, detailed workforce data tables for all professions have been included, where previously detailed data was mainly provided for dentists and dental specialists.

A new section that focuses on the Māori workforce has been included in the report. The Council recognises the unique place Māori hold as tangata whenua in New Zealand, and the important role that Māori oral health practitioners play in improving the oral health care of Māori and other communities in New Zealand. Following discussions with Māori stakeholders within the oral health sector, the Council commissioned this new analysis. The section provides the demographics of those oral health practitioners that self-identify as Māori, and include comparative information with the overall oral health workforce's profile.

Infographics for each section present a visual summary snapshot of the key workforce statistics. Visual summaries can highlight salient points in an easily digestible form, while the detail data tables can be useful for in-depth research and investigation.

General

Unless otherwise stated numbers in brackets represent column percentages throughout the report.

Where groups were subcategorised for reporting purposes, for example dentists and dental specialists, the practitioner's highest scope of practice level dictated the categorisation.

Oral health practitioners

2015
workforce
at a glance

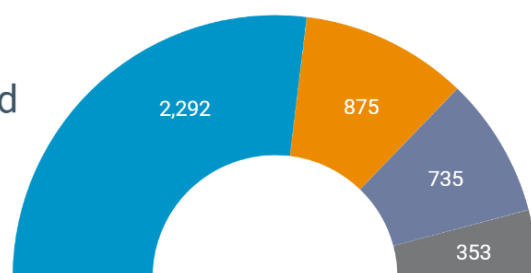


4,255 practising

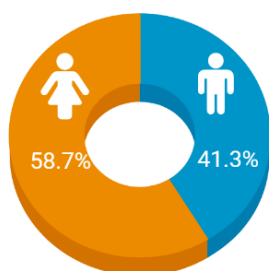
4,923 registered



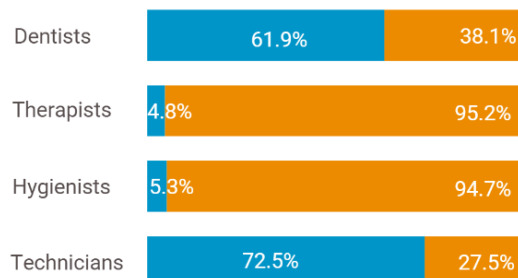
668 not practising



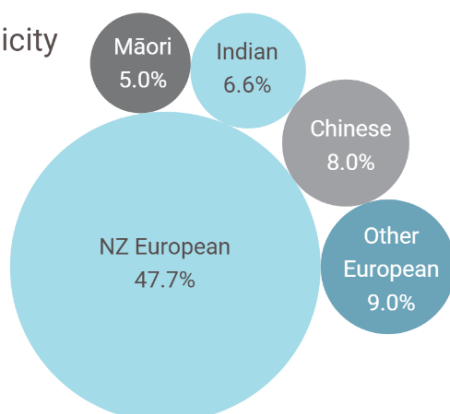
● Dentists ● Therapists ● Hygienists ● Technicians



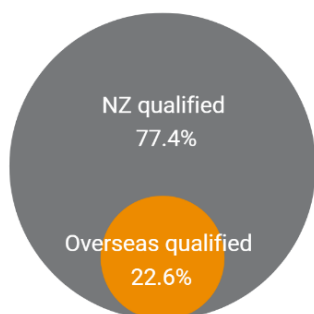
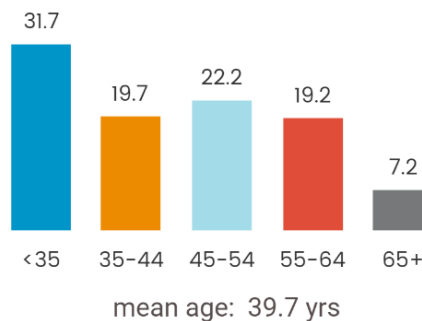
Gender by profession



Ethnicity

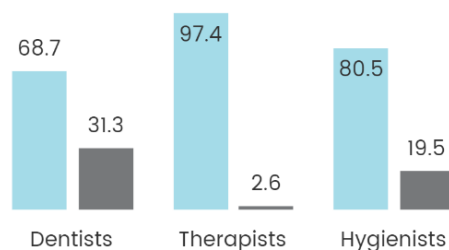


% by age group



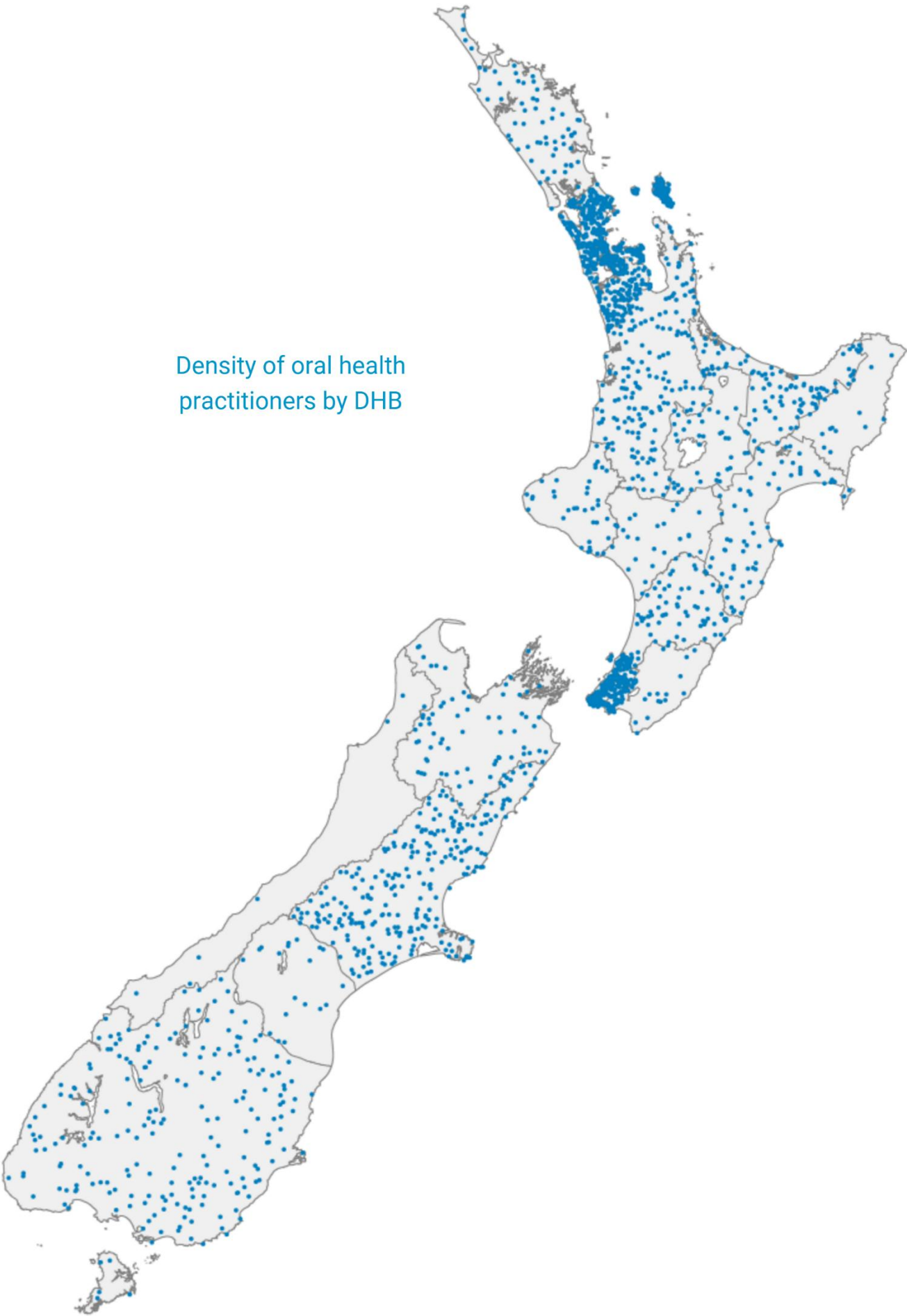
Excluding technicians

Country of primary qualification



● NZ qualification %
● Overseas qualification %
Excluding technicians

Density of oral health practitioners by DHB



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Section 1:

The dentist and dental specialist workforce

Dentists and dental specialists

2015 workforce at a glance



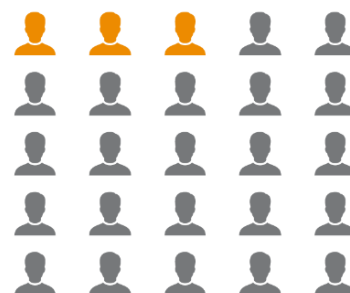
2,292 practising

2,735 registered



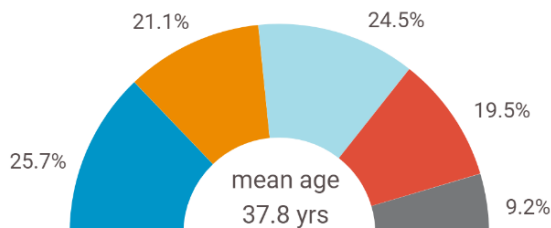
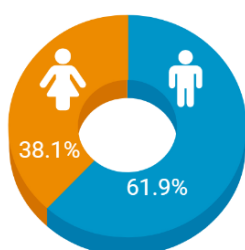
443 not practising

331 specialists

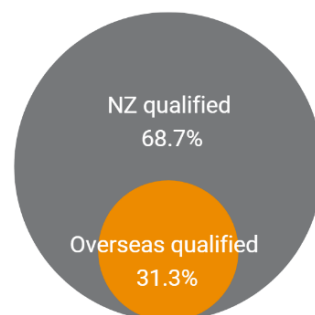


2,404 dentists

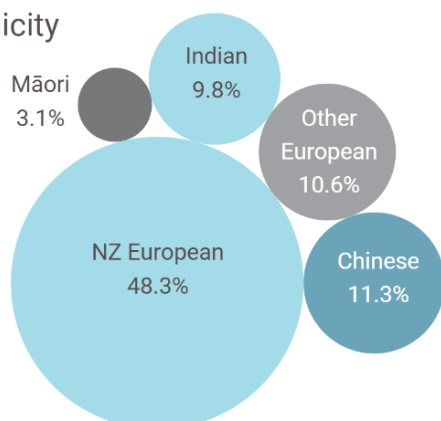
% dentists by age group



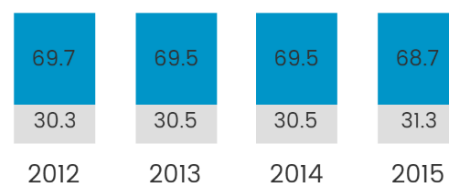
● <35 ● 35-44 ● 45-54 ● 55-64 ● 65+



Ethnicity



Country of primary qualification



● NZ qualification %
● Overseas qualification %

Primary employment

Self-employed 67.5%



18.8% solo practice



48.7% group practice

Employees 16.5%

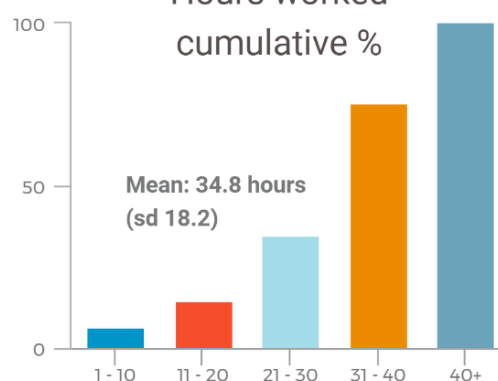


7.3% private practice

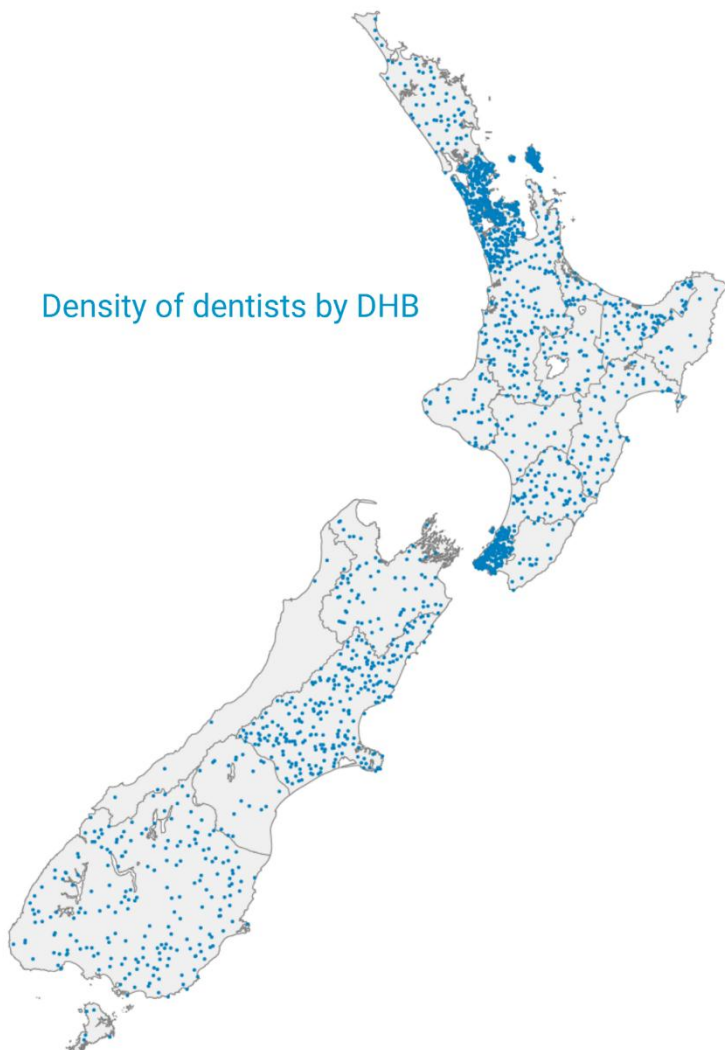


4.9% district health boards

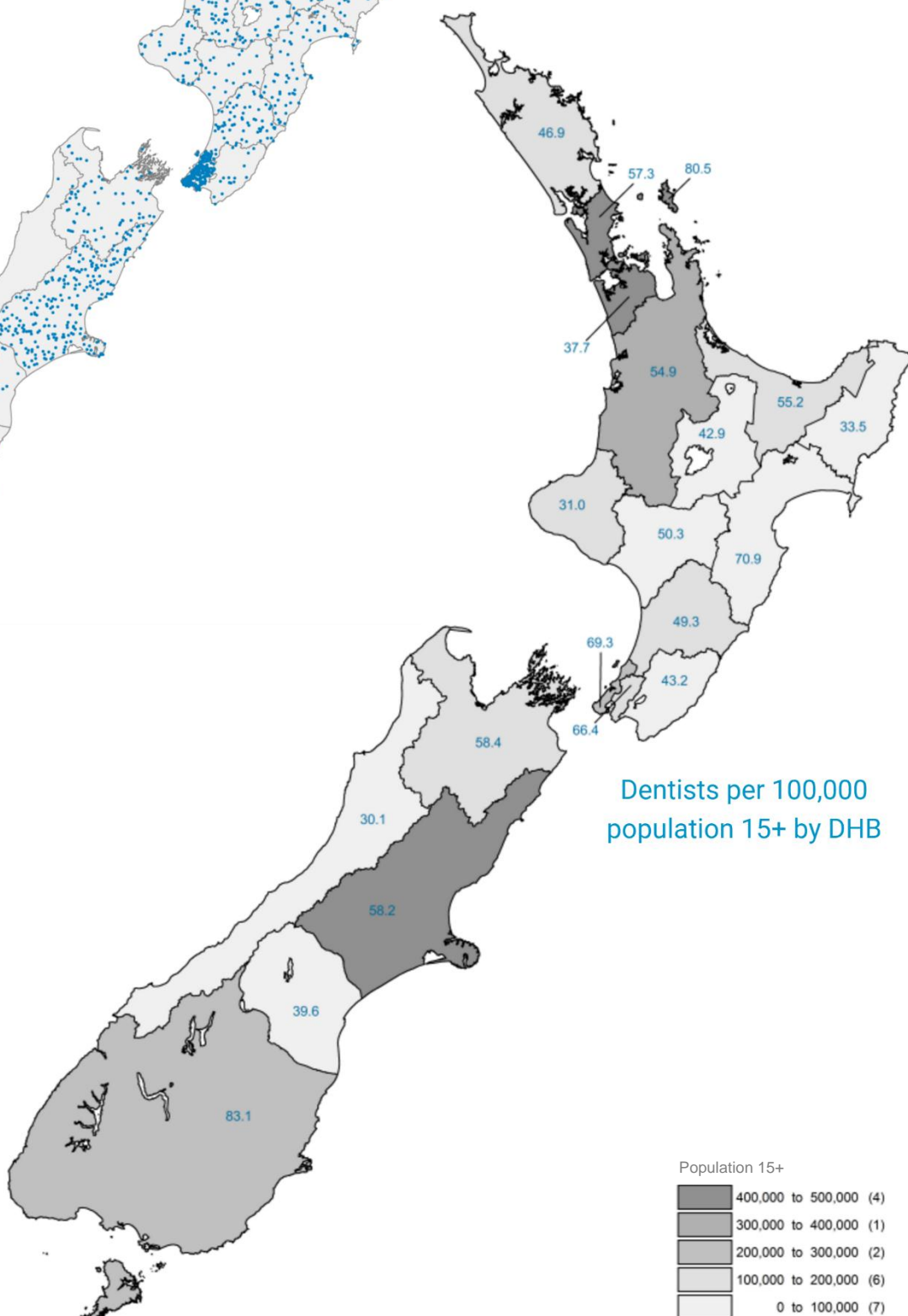
Hours worked cumulative %



Density of dentists by DHB



Dentists per 100,000 population 15+ by DHB



Executive summary dentists and dental specialists

Number of dentists and dental specialists

The total number of dentists and dental specialists has increased by about 2% year-on-year except in 2014 when the increase was only 0.5%. Table 1-1

In 2015 there was a total of 2,735 dentists and dental specialists on the register: an increase of 4.6% over 2012. A total of 2,292 (83.8%) held practising certificates for the 2015 year.

Table 1-1. Registered dentists and dental specialists

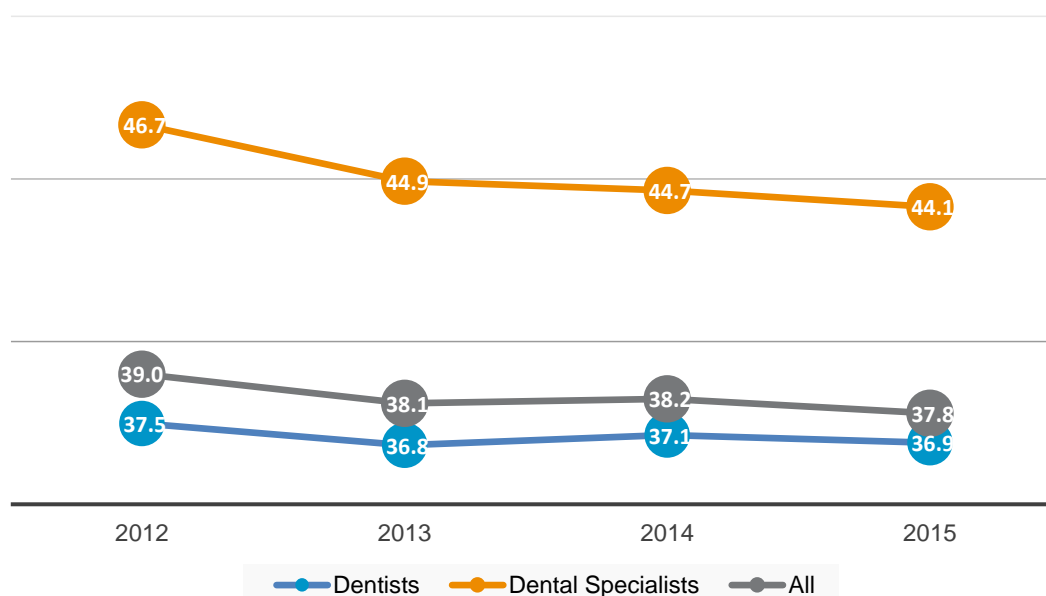
	2012	% YoY	2013	% YoY	2014	% YoY	2015
Registered dentists with practising certificates	1,835	1.5	1,863	3.3	1,925	2.4	1,972
Registered dental specialists with practising certificates	292	3.8	303	2.3	310	3.2	320
Registered dentists with no practising certificates	471	4.2	491	-12.0	432	—	432
Registered dental specialists with no practising certificates	17	-5.9	16	18.8	19	-42.1	11
Total	2,615	2.2	2,673	0.5	2,686	1.8	2,735

Demographics

The mean age shows a gradual decline over the four years for practising dentists and dental specialists indicating that this group is not ageing as may be expected. Practising dental specialists have a higher mean age as would be expected due to the specialisation training period. Figure 1-1

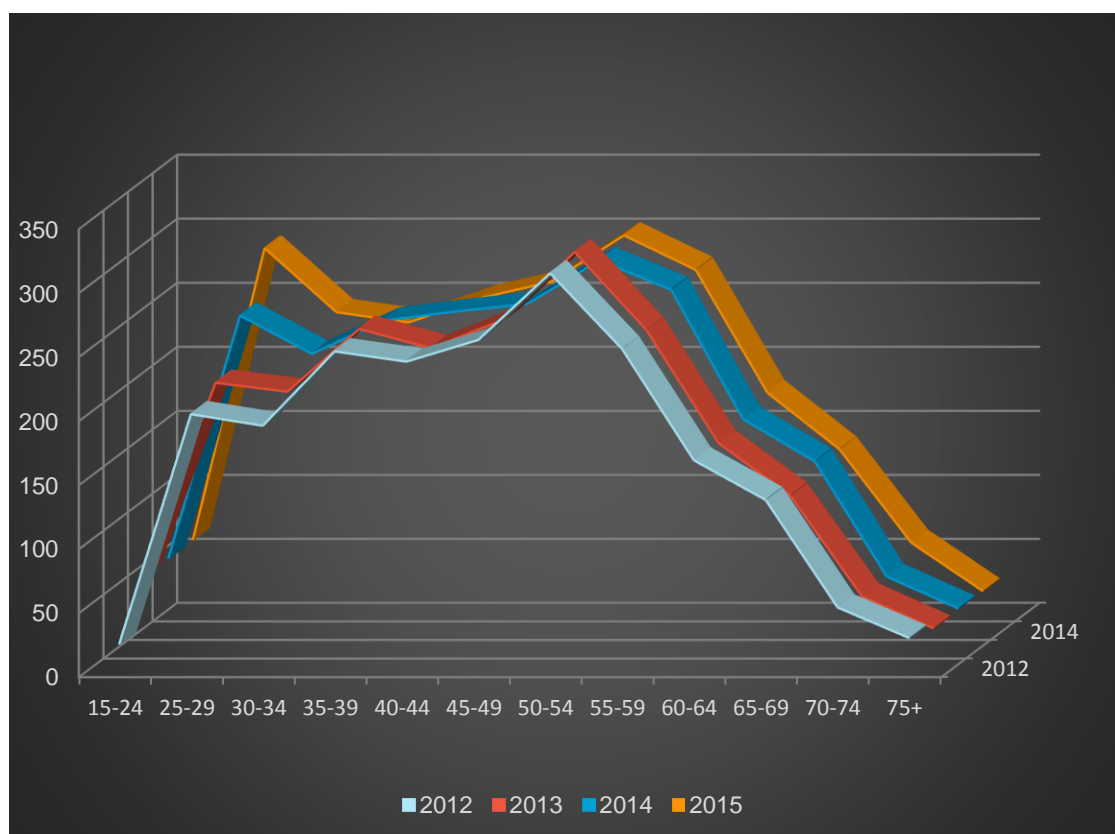
The mean age for dentists was 36.9, for dental specialists 44.1, and for the total group 37.8 in 2015.

Figure 1-1. Mean age of practising dentists and dental specialists



An age group distribution indicates that there are increases in the earlier age groups (25 to 29 and 30-34) over the period followed by a gradual increase in numbers, until there is a sustained but steep decline in numbers from 50 years onwards. A total of 212 dentists and dental specialists aged 65 years and older had practising certificates in 2015; 21 of these were 75 years or older. Table 1-2 & Table 1-4

Figure 1-2. Age band distribution of dentists and dental specialists



Females continue to increase in numbers from 35.1% of practising dentists and dental specialists in 2012 to 38.1% in 2015. Overall, female practising dental specialists have increased from 24.9% in 2012 to 29.0% in 2015. Table 1-5 & Table 1-6

The ethnicity reported reflects the diversity of the profession. Showing relatively large increases from 2012 to 2015 are Other Asian (86 to 129: +50.0%), Fijian (7 to 10: +42.9%), and Chinese (190 to 260: +36.8%). Others that continued the trend of increases year-on-year were Indian (197 to 224: +13.7%), and "Other" (from 155 to 174: +12.3%). Similar changes were not reflected in the corresponding countries of qualification. In comparison, qualifications from Fiji increased from 8 to 9, India from 132 to 148, and China remained the same on 3. Table 1-7, Table 1-9, Table 1-12

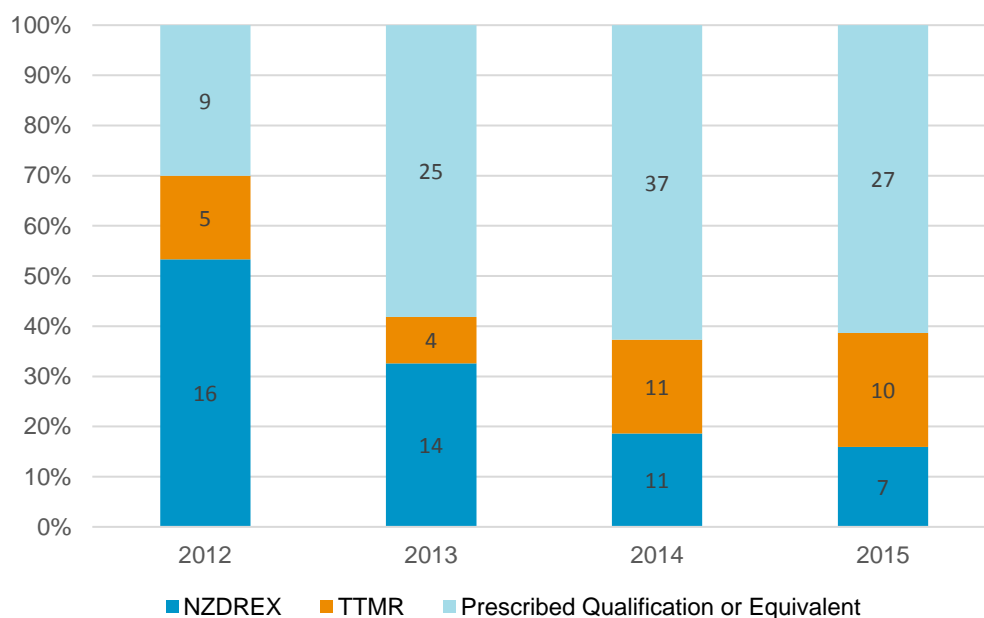
Details offered when "Other" ethnicity is selected show a diverse interpretation of "ethnicity". British/UK (76) and South African (51) were the most identified ethnicity, followed by Korean (35), Taiwanese (31), Sri Lankan (26), and Iraqi, Malaysian and Middle Eastern (25 each). Table 1-8

Registration

The proportion of overseas graduates continue to show an increase from 30.3% in 2012 to 31.3% in 2015. Registrations increased for some overseas countries of registration: Australia (35 to 47: +34.3%), United States of America (23 to 32: +39.1%), and the United Kingdom (163 to 181: +11.0%). Table 1-9 - Table 1-12

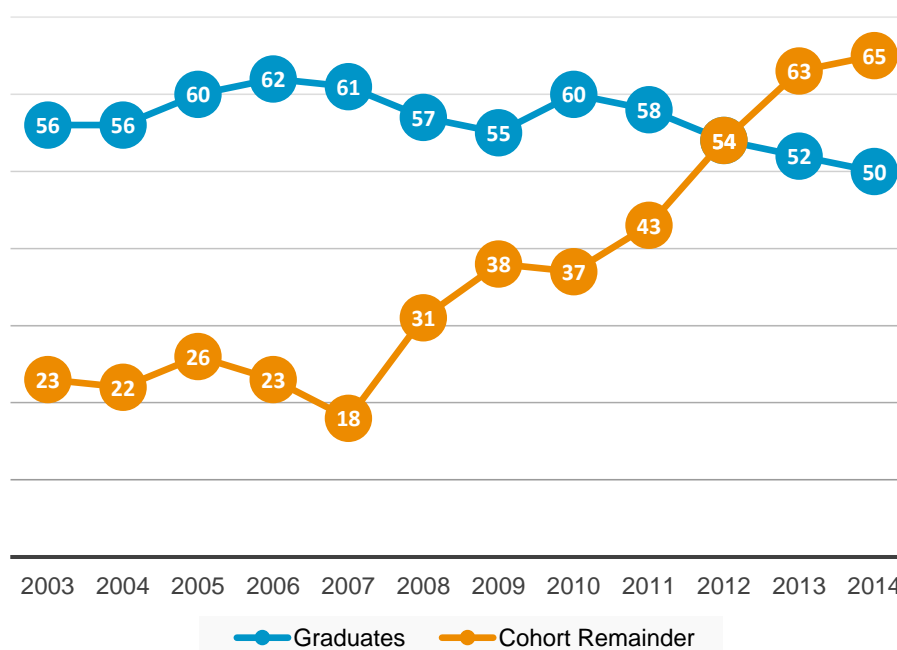
There has been a shift in the types of registrations from 2012 to 2015. Dentist examinations reduced by half, TTMR registrations doubled, and 3 times the number of registrations were granted to dentists with prescribed qualifications or individual assessments of equivalence. ^{Table 1-15}

Figure 1-3. Types of registration pathways for dentists



Since 2011, the number of dental graduates from the University of Otago have been higher than the number of students not externally funded, and has shown a consistent increase from 103.4% in 2011 to 130.0% in 2015. This is due to international funded students registering and practising in New Zealand following graduation. ^{Table 1-14}

Figure 1-4. Longitudinal cohort remainder rate of university of Otago dental graduates, as at 30 September 2015



Practising characteristics

The type of primary employment reported has shown a decrease of self-employed dentists and dental specialists (down from 72.9% in 2012 to 67.5% in 2015), with a marginal increase of employees (up from 14.9% to 16.5%) over the same period. Intermediate years show variability, with no obvious trend apparent. Table 1-17

Using a 40 hour work week as a norm, it was found that almost 90% of dentists reported working 40 hours or less per week in 2015; this was fairly constant over the period (2012 to 2015). About 75% of dental specialists reported the same hours or less in 2015. This is a decrease from 81.0% in 2012.

Table 1-18

The dentists with the highest mean hours of work reported were those with DHBs or MoH as primary employer, varying from 34.8 to 35.4 hours per week from 2012 to 2015. Of note is the increase of mean hours with DHBs or MOH as secondary employers for general dentistry: this has increased from 11.4 to 16.6 hours from 2012 to 2015. The DHBs or MOH also had the highest mean hours in total as secondary employer in 2015 (15.2 hours per week). Table 1-20 - Table 1-22

For dental specialists, the highest reported hours were for oral & maxillofacial surgery during the 2012 to 2015 period, with a mean of over 40 hours for MoH & DHBs as primary employers, and up to 50 hours reported (in 2014) for the university as primary employer. Table 1-23 - Table 1-25

The reasons given by those who reported they are not currently practising in New Zealand show that retirement is the biggest category varying from 10 to 16 within the 2012 – 2015 periods, with parental responsibilities increasing year-on-year from 6 in 2012 to 13 in 2015. Table 1-41

Geographical distribution

A number of territorial authorities (TAs) have no dentists or dental specialists recorded. Based on 2015 data, these include: Kawerau, South Wairarapa, Westland, Mackenzie, Waimate, Chatham Islands territories. Those with 13 or less dentists or dental specialists per 100,000 population aged 15+, and not reported above, include: Kaipara, Hauraki, Waikato, Hurunui and Southland district. Some areas show improvements from 2012: Waikato from 4.0 to 7.5 in 2015 and Hurunui from 0.0 to 10 dentists and dental specialists per 100,000 population aged 15+. Table 1-36 - Table 1-40

Postgraduate studies

Postgraduate studies reported by dentists and dental specialists shows variation over the years with a high of 143 in 2013, and the lowest number of 129 in 2012. Consistently about 80% of those reporting doing postgraduate studies indicate that they intend to practise in New Zealand after completing their studies. In 2015, of the 133 respondents who indicated they were undertaking postgraduate studies, the overwhelming majority (103) related to the “Other” category, which could be non-dental or not detailed in the workforce survey. The largest dental-specific categories reported were orthodontics (8) and oral and maxillofacial surgery (5). Table 1-42 & Table 1-43

Workforce survey response rate

Survey response rates for 2012 to 2014 have remained reasonably flat but improved slightly in 2015 to 88.1%. ^{Table 1-2}

Table 1-2. Dentist and dental specialist survey responses

Year	Response rate
2012	87.3%
2013	87.0%
2014	87.2%
2015	88.1%

(Data source: Workforce survey)

Dentists and dental specialists workforce data tables

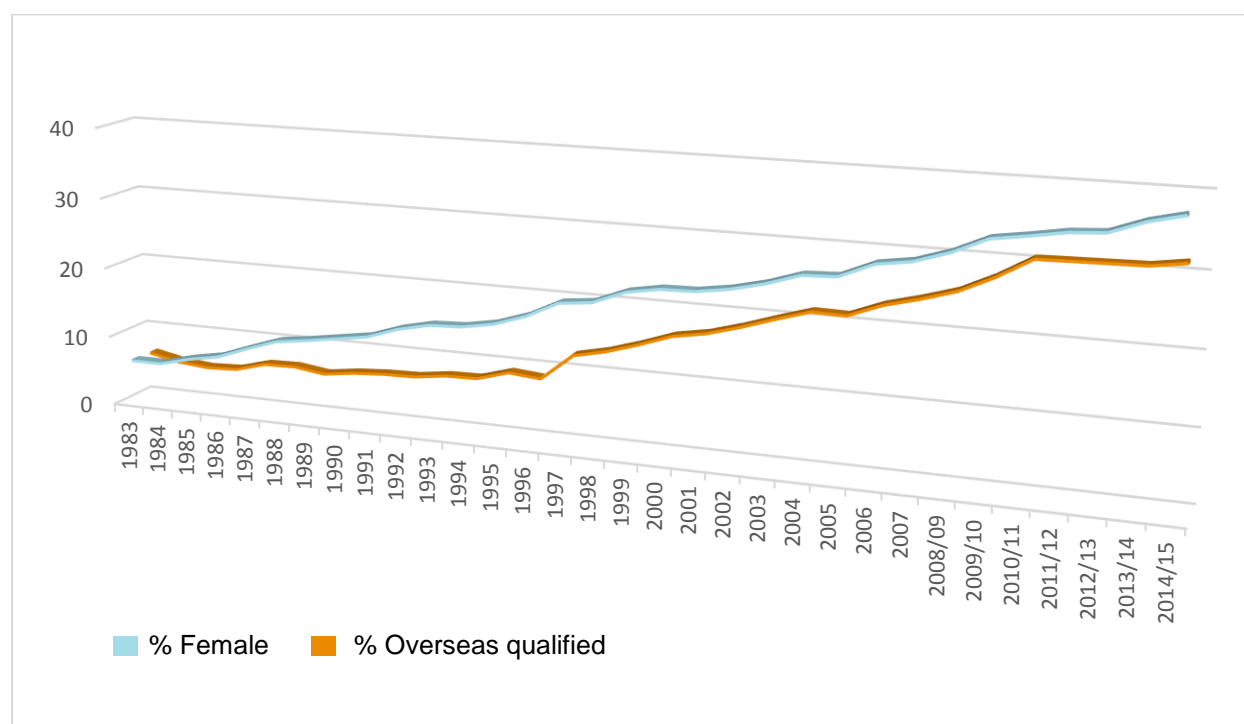
Table 1-3. Number of dentists and dental specialists with practising certificates, by workforce reporting year

Report year	Total	Male (%)	Female (%)	% overseas graduates
1983	1,142	93.7	6.3	6.2
1984	1,148	93.7	6.3	5.3
1985	1,176	92.6	7.4	4.9
1986	1,204	91.8	8.2	5.1
1987	1,219	90.2	9.8	6.3
1988	1,233	88.7	11.3	6.4
1989	1,215	88.1	11.9	5.8
1990	1,226	87.4	12.6	6.4
1991	1,262	86.7	13.3	6.7
1992	1,287	85.2	14.8	6.8
1993	1,306	84.2	15.8	7.4
1994	1,312	84.0	16.0	7.5
1995	1,346	83.2	16.8	8.8
1996	1,364	81.7	18.3	8.4
1997	1,473	79.5	20.5	12.1
1998	1,496	79.0	21.0	13.1
1999	1,558	77.2	22.8	14.5
2000	1,591	76.4	23.6	16.1
2001	1,601	76.3	23.7	16.9
2002	1,645	75.6	24.4	18.2
2003	1,662	74.5	25.5	19.7
2004	1,747	73.0	27.0	21.1
2005	1,682	72.8	27.2	21.0
2006	1,717	70.8	29.2	22.8
2007	1,779	70.1	29.9	24.0
2008 ^a	1,867	68.6	31.4	25.4
2009 ^b	2,000	66.5	33.5	27.6
2010/11	2,083	66.0	34.0	30.4
2011/12	2,127	64.9	35.1	30.3
2012/13	2,166	64.7	35.3	30.5
2013/14	2,235	63.0	37.0	30.5
2014/15	2,292	61.9	38.1	31.3

^a Reporting date 31 March (previously 31st December)

^b Reporting date changed to 30 September for 2009 onwards
(Data source: Dental register)

Figure 1-5. Trends in the proportion of female and overseas qualified dentists and dental specialists with practising certificates, from 1983 to 2015



(Data source: Dental register)

Table 1-4. Age of dentists and dental specialists by practising certificate status, as at 30 September 2015

Age bands	Practising certificate (%)	No practising certificate (%)
15 - 24	61 (2.7)	4 (0.9)
25 - 29	289 (12.6)	52 (11.7)
30 - 34	239 (10.4)	70 (15.8)
35 - 39	231 (10.1)	65 (14.7)
40 - 44	250 (10.9)	69 (15.6)
45 - 49	263 (11.5)	51 (11.5)
50 - 54	299 (13.0)	40 (9.0)
55 - 59	272 (11.9)	33 (7.4)
60 - 64	176 (7.7)	26 (5.9)
65 - 69	132 (5.8)	16 (3.6)
70 - 74	59 (2.6)	11 (2.5)
75+	21 (0.9)	6 (1.4)
Total	2,292	443

(Data source: Dental register)

Figure 1-6. Age of dentists and dental specialists by practising certificate status, as at 30 September 2015

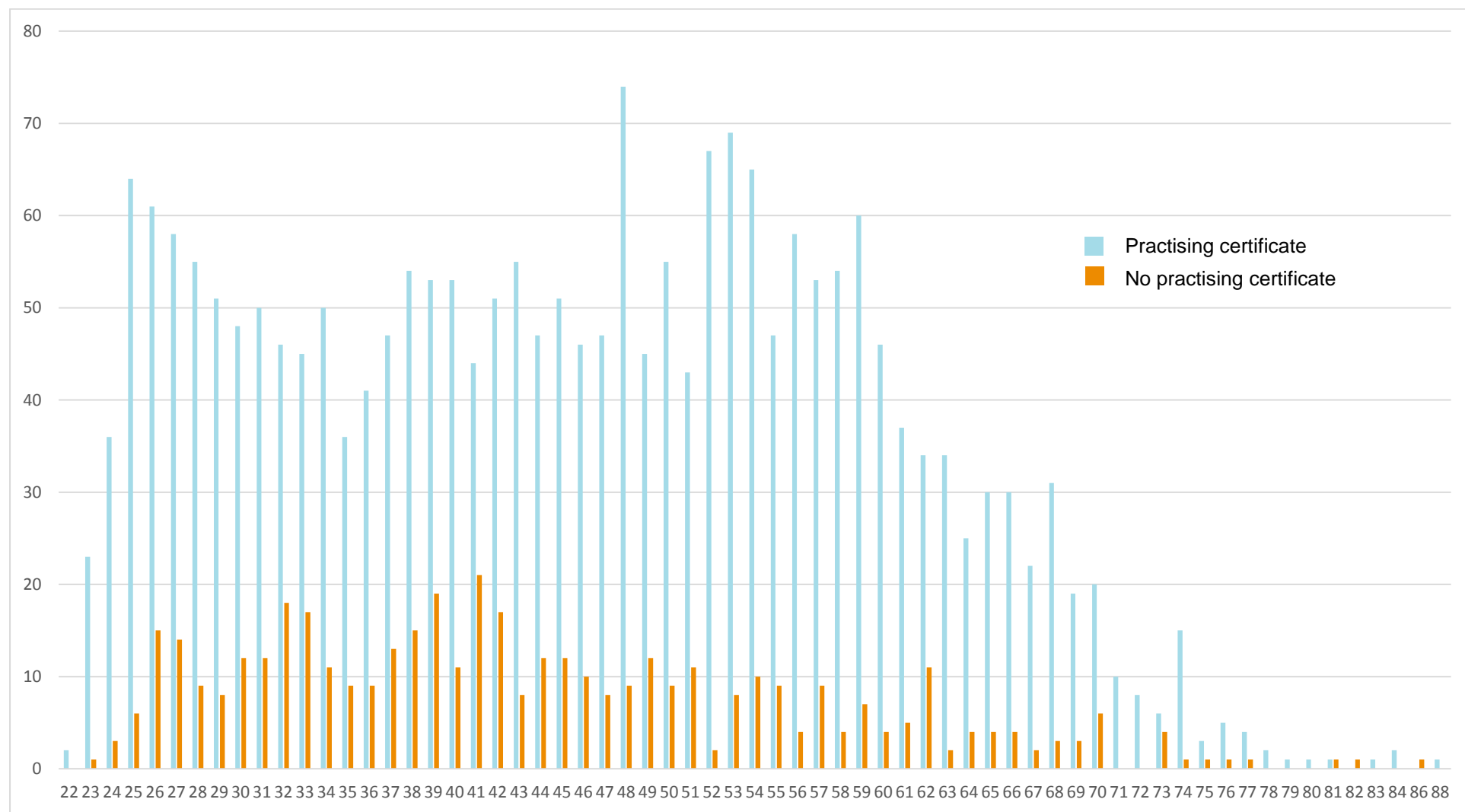


Figure 1-7. Age of registered dentists and dental specialists by gender, as at 30 September 2015

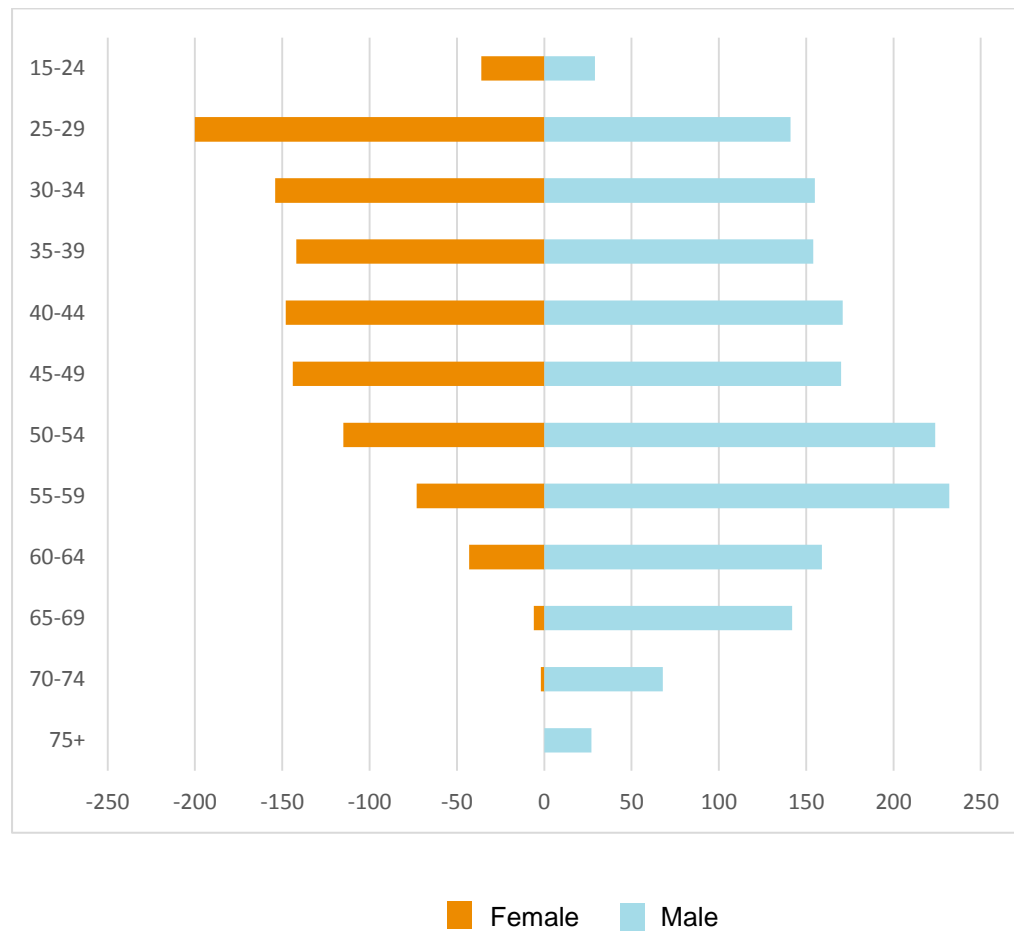


Table 1-5. Gender of dentists and dental specialists by practising certificate status

	Gender	Practising certificate (%)	No practising certificate (%)	Total (%)
2012	Male	1,381 (64.9)	273 (55.9)	1,654 (63.3)
	Female	746 (35.1)	215 (44.1)	961 (36.7)
	Total (row %)	2,127 (81.3)	488 (18.7)	2,615
2013	Male	1,402 (64.7)	275 (54.2)	1,677 (62.7)
	Female	764 (35.3)	232 (45.8)	996 (37.3)
	Total (row %)	2,166 (81.0)	507 (19.0)	2,673
2014	Male	1,408 (63.0)	252 (55.9)	1,660 (61.8)
	Female	827 (37.0)	199 (44.1)	1,026 (38.2)
	Total (row %)	2,235 (83.2)	451 (16.8)	2,686
2015	Male	1,419 (61.9)	253 (57.1)	1,672 (61.1)
	Female	873 (38.1)	190 (42.9)	1,063 (38.9)
	Total (row %)	2,292 (83.8)	443 (16.2)	2,735

(Data source: Dental register)

Table 1-6. Scope of practice registrations for dentists and dental specialists, by gender

	Total	Men (row %)	Women (row %)
Dentists	2,306	1,422 (61.7)	884 (38.3)
Dental specialists	309	232 (75.1)	77 (24.9)
Total	2,615	1,654 (63.3)	961 (36.7)
Specialty ^a			
2012 Endodontics	33	23 (69.7)	10 (30.3)
Oral & Maxillofacial Surgery	45	45 (100.0)	—
Oral Medicine	3	1 (33.3)	2 (66.7)
Oral Pathology	6	3 (50.0)	3 (50.0)
Oral Surgery	6	5 (83.3)	1 (16.7)
Orthodontics	105	77 (73.3)	28 (26.7)
Paediatric Dentistry	13	4 (30.8)	9 (69.2)
Periodontology	36	25 (69.4)	11 (30.6)
Prosthodontics	26	23 (88.5)	3 (11.5)
Public Health Dentistry	18	12 (66.7)	6 (33.3)
Restorative Dentistry	12	11 (91.7)	1 (8.3)
Special Needs Dentistry	9	5 (55.6)	4 (44.4)
Dentists	2,354	1,437 (61.0)	917 (39.0)
Dental specialists	319	240 (75.2)	79 (24.8)
Total	2,673	1,677 (62.7)	996 (37.3)
Specialty			
2013 Endodontics	33	24 (72.7)	9 (27.3)
Oral & Maxillofacial Surgery	46	46 (100.0)	—
Oral Medicine	3	1 (33.3)	2 (66.7)
Oral Pathology	7	4 (57.1)	3 (42.9)
Oral Surgery	9	8 (88.9)	1 (11.1)

2014	Orthodontics	103	74 (71.8)	29 (28.2)
	Paediatric Dentistry	16	6 (37.5)	10 (62.5)
	Periodontology	37	26 (70.3)	11 (29.7)
	Prosthodontics	28	24 (85.7)	4 (14.3)
	Public Health Dentistry	17	11 (64.7)	6 (35.3)
	Restorative Dentistry	11	10 (90.9)	1 (9.1)
	Special Needs Dentistry	9	6 (66.7)	3 (33.3)
	Dentists	2,357	1,421 (60.3)	936 (39.7)
	Dental specialists	329	239 (72.6)	90 (27.4)
	Total	2,686	1,660 (61.8)	1,026 (38.2)
	Specialty			
	Endodontics	34	23 (67.6)	11 (32.4)
	Oral & Maxillofacial Surgery	45	44 (97.8)	1 (2.2)
	Oral Medicine	4	2 (50.0)	2 (50.0)
	Oral Pathology	7	4 (57.1)	3 (42.9)
	Oral Surgery	10	9 (90.0)	1 (10.0)
	Orthodontics	103	71 (68.9)	32 (31.1)
	Paediatric Dentistry	19	8 (42.1)	11 (57.9)
	Periodontology	35	25 (71.4)	10 (28.6)
	Prosthodontics	33	27 (81.8)	6 (18.2)
	Public Health Dentistry	19	10 (52.6)	9 (47.4)
	Restorative Dentistry	11	10 (90.9)	1 (9.1)
	Special Needs Dentistry	9	6 (66.7)	3 (33.3)

2015	Dentists	2,404	1,437 (59.8)	967 (40.2)
	Dental specialists	331	235 (71.0)	96 (29.0)
	Total	2,735	1,672 (61.1)	1,063 (38.9)
	Specialty			
	Endodontics	33	23 (69.7)	10 (30.3)
	Oral & Maxillofacial Surgery	48	47 (97.9)	1 (2.1)
	Oral Medicine	5	3 (60.0)	2 (40.0)
	Oral Pathology	7	3 (42.9)	4 (57.1)
	Oral Surgery	10	9 (90.0)	1 (10.0)
	Orthodontics	104	70 (67.3)	34 (32.7)
	Paediatric Dentistry	19	8 (42.1)	11 (57.9)
	Periodontology	34	23 (67.6)	11 (32.4)
	Prosthodontics	33	26 (78.8)	7 (21.2)
	Public Health Dentistry	19	8 (42.1)	11 (57.9)
	Restorative Dentistry	11	10 (90.9)	1 (9.1)
	Special Needs Dentistry	8	5 (62.5)	3 (37.5)

^a Registrations in multiple specialist scopes of practice occur
(Data source: Dental register)

Table 1-7. Self-identified ethnicity by practising dentists and dental specialists

Ethnicity	2012 (%)	2013 (%)	2014 (%)	2015 (%)
NZ European	1,074 (50.5)	1,059 (48.9)	1,021 (45.7)	1,106 (48.3)
Māori	63 (3.0)	66 (3.0)	71 (3.2)	71 (3.1)
Other European	226 (10.6)	225 (10.4)	226 (10.1)	244 (10.6)
Samoan	6 (0.3)	5 (0.2)	6 (0.3)	5 (0.2)
Tongan	3 (0.1)	3 (0.1)	1 (0.0)	2 (0.1)
Niuean	—	—	1 (0.0)	1 (0.0)
Fijian	7 (0.3)	8 (0.4)	9 (0.4)	10 (0.4)
Other Pacific Peoples	4 (0.2)	2 (0.1)	2 (0.1)	3 (0.1)
Chinese	190 (8.9)	196 (9.0)	213 (9.5)	260 (11.3)
Other East Asian	52 (2.4)	48 (2.2)	43 (1.9)	62 (2.7)
Indian	197 (9.3)	206 (9.5)	211 (9.4)	224 (9.8)
Other Asian	86 (4.0)	95 (4.4)	120 (5.4)	129 (5.6)
Other	155 (7.3)	171 (7.9)	178 (8.0)	174 (7.6)
Unknown	194 (9.1)	201 (9.3)	263 (11.8)	165 (7.2)
Total ^a	2,257	2,285	2,365	2,456
Total selecting an 'Other' group	523	541	569	612
Total practising dentists and dental specialists	2,127 ^b	2,166	2,235	2,292

^a Total is greater than number of practising dentists and dental specialists due to self-identification of multiple ethnicities.

^b Denominator used for percentage values is total practising dentists and dental specialists.

(Data sources: Dental register and workforce survey)

Table 1-8. Self-identification of 'other' ethnicity by geographical area, based on 2015 data

Africa		United Kingdom		Asia	
African	6	British/UK	76	Bangladesh	2
Egyptian	4	British/NZ	2	Cambodian	1
North African	1	English	13	Hong Kong Chinese	1
South African	51	Scottish	10	Indonesian	2
South African European	2	Scottish, English, Some	1	Japanese	1
South African, Greek	1	Spanish, Irish	2	Korean	35
Southern African	1	Welsh	1	Malaysian	25
		Welsh British	2	Malaysian Chinese	7
		White British		Malaysian Indian	3
Americas		Other European		Oriental	1
American	7	Albanian	1	Pilipino/Filipino	5
American Caucasian	1	Belgian	1	Singaporean	1
American of European Descent	1	Bulgarian	2	Singaporean Chinese	1
American/Irish	1	Croatian	3	Sinhalese (Sri Lankan)	1
Argentinian	3	Czech	1	South East Asian	2
Brazilian	5	Danish	3	South Korea	9
Canadian	3	Dutch	4	Sri Lankan	26
Colombian	2	German	7	Taiwanese	31
Latin American	4	German/Mexican	2	Thai	3
Mauritian	1	Greek	1	Turkish	2
North American	2	Hungarian	1	Vietnamese	1
South American	1	Irish	6		
USA	1	Irish - Malaysian	1	New Zealand	
USA (German Heritage)	1	Irish Sri Lankan Dutch	3	Kiwi	1
		Irish Chinese	1	Kiwi Chinese	1
Middle East		Italian	3	New Zealand Born Chinese	1
Arab	5	Italian/Argentinian	2	New Zealand Born Indian	1
Arabic	12	Lithuanian	2	New Zealand Chinese	3
Arab/Iraqi	1	Mediterranean	1	New Zealand English	1
Iranian	1	Polish	2	New Zealand Indian	1
Iraqi	25	Portuguese	2	New Zealand Pakeha	1
Iraqi Christian	1	Romanian	7	New Zealand Tamil	1
Iraqi Kurdish	1	Russian	11	New Zealand, South African	1
Israeli	2	Russian Israeli	1	New Zealand/Sri Lankan	1
Kurd	1	Serbian	5	New Zealander	7
Middle Eastern	25	Spanish South American	2		
Pakistani	4	Swedish	1	Other Oceania	
Phoenician	1	Swiss	1	Australian	7
Yemeni	1	Ukrainian	2	Australian Aboriginal	1
		Yugoslavian	1	Fijian Indian	3
Other				Cook Island	2
Dutch/French/ German/South	1				
African					
Spanish/Portuguese/Sri Lankan	2				
Do not wish to state	1				
Unknown	49				

(Data sources: Dental register & workforce survey)

Table 1-9 Country of primary qualification for practising dentists and dental specialists, for 2012

Country of qualification	Dental specialists (Row %)	Dentists (Row %)	Total (Column %)
New Zealand	228 (15.4)	1,255 (84.6)	1,483 (69.7)
Overseas	64 (9.9)	580 (90.1)	644 (30.3)
Total	292 (13.7)	1,835 (86.3)	2,127
Breakdown of overseas qualifications			
	(Column %) ^a	(Column %)	(Column %)
Argentina	—	4 (0.2)	4 (0.2)
Australia	6 (2.1)	29 (1.6)	35 (1.6)
Bangladesh	—	1 (0.1)	1 (0.0)
Brazil	—	8 (0.4)	8 (0.4)
Bulgaria	—	2 (0.1)	2 (0.1)
Canada	1 (0.3)	8 (0.4)	9 (0.4)
Chile	—	1 (0.1)	1 (0.0)
China	—	3 (0.2)	3 (0.1)
Colombia	1 (0.3)	2 (0.1)	3 (0.1)
Czech Republic	—	3 (0.2)	3 (0.1)
Egypt	—	3 (0.2)	3 (0.1)
Fiji	1 (0.3)	7 (0.4)	8 (0.4)
Finland	—	1 (0.1)	1 (0.0)
France	1 (0.3)	1 (0.1)	2 (0.1)
Germany	3 (1.0)	4 (0.2)	7 (0.3)
Hong Kong	—	1 (0.1)	1 (0.0)
India	7 (2.4)	125 (6.8)	132 (6.2)
Indonesia	—	1 (0.1)	1 (0.0)
Iran	—	1 (0.1)	1 (0.0)
Iraq	3 (1.0)	48 (2.6)	51 (2.4)
Ireland	2 (0.7)	2 (0.1)	4 (0.2)
Israel	—	2 (0.1)	2 (0.1)
Italy	1 (0.3)	—	1 (0.0)
Jordan	—	4 (0.2)	4 (0.2)
Korea	—	4 (0.2)	4 (0.2)
Lativa	—	1 (0.1)	1 (0.0)
Macedonia	—	1 (0.1)	1 (0.0)
Malaysia	1 (0.3)	2 (0.1)	3 (0.1)
Mexico	1 (0.3)	—	1 (0.0)
Netherlands	2 (0.7)	2 (0.1)	4 (0.2)
Pakistan	—	1 (0.1)	1 (0.0)
Philippines	—	9 (0.5)	9 (0.4)
Poland	—	2 (0.1)	2 (0.1)
Puerto Rico	—	1 (0.1)	1 (0.0)

Country of qualification	Dental specialists (Row %)	Dentists (Row %)	Total (Column %)
Romania	—	7 (0.4)	7 (0.3)
Russia	—	12 (0.7)	12 (0.6)
Serbia	—	2 (0.1)	2 (0.1)
Singapore	1 (0.3)	7 (0.4)	8 (0.4)
South Africa	7 (2.4)	80 (4.4)	87 (4.1)
Sri Lanka	2 (0.7)	9 (0.5)	11 (0.5)
Sweden	—	1 (0.1)	1 (0.0)
Syria	—	1 (0.1)	1 (0.0)
Taiwan	1 (0.3)	1 (0.1)	2 (0.1)
Thailand	1 (0.3)	1 (0.1)	2 (0.1)
Turkey	—	1 (0.1)	1 (0.0)
Ukraine	—	3 (0.2)	3 (0.1)
United Kingdom	16 (5.5)	147 (8.0)	163 (7.7)
USA	4 (1.4)	19 (1.0)	23 (1.1)
Yugoslavia	2 (0.7)	5 (0.3)	7 (0.3)

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 1-10. Country of primary qualification for practising dentists and dental specialists, for 2013

Country of qualification	Dental specialists (Row %)	Dentists (Row %)	Total (Column %)
New Zealand	234 (15.5)	1,272 (84.5)	1,506 (69.5)
Overseas	69 (10.5)	591 (89.5)	660 (30.5)
Total	303 (14.0)	1,863 (86.0)	2,166
Breakdown of overseas qualifications			
	(Column %) ^a	(Column %)	(Column %)
Argentina	—	5 (0.3)	5 (0.2)
Australia	5 (1.7)	28 (1.5)	33 (1.5)
Bangladesh	—	1 (0.1)	1 (0.0)
Brazil	—	7 (0.4)	7 (0.3)
Bulgaria	—	2 (0.1)	2 (0.1)
Canada	1 (0.3)	9 (0.5)	10 (0.5)
Chile	—	1 (0.1)	1 (0.0)
China	—	3 (0.2)	3 (0.1)
Colombia	1 (0.3)	2 (0.1)	3 (0.1)
Czech Republic	—	3 (0.2)	3 (0.1)
Egypt	—	4 (0.2)	4 (0.2)
Fiji	1 (0.3)	7 (0.4)	8 (0.4)
Finland	—	1 (0.1)	1 (0.0)
France	1 (0.3)	1 (0.1)	2 (0.1)
Germany	4 (1.3)	4 (0.2)	8 (0.4)
Hong Kong	—	1 (0.1)	1 (0.0)
India	9 (3.0)	132 (7.1)	141 (6.5)
Iraq	3 (1.0)	48 (2.6)	51 (2.4)
Ireland	3 (1.0)	2 (0.1)	5 (0.2)
Israel	—	2 (0.1)	2 (0.1)
Italy	1 (0.3)	—	1 (0.0)
Jordan	1 (0.3)	4 (0.2)	5 (0.2)
Korea	—	3 (0.2)	3 (0.1)
Lativa	—	1 (0.1)	1 (0.0)
Libya	1 (0.3)	—	1 (0.0)
Macedonia	—	1 (0.1)	1 (0.0)
Malaysia	1 (0.3)	1 (0.1)	2 (0.1)
Mexico	1 (0.3)	—	1 (0.0)
Netherlands	2 (0.7)	2 (0.1)	4 (0.2)
Pakistan	—	2 (0.1)	2 (0.1)
Philippines	—	8 (0.4)	8 (0.4)
Poland	—	2 (0.1)	2 (0.1)
Puerto Rico	—	1 (0.1)	1 (0.0)
Romania	—	7 (0.4)	7 (0.3)

Country of qualification	Dental specialists (Row %)	Dentists (Row %)	Total (Column %)
Russia	—	12 (0.6)	12 (0.6)
Serbia	—	2 (0.1)	2 (0.1)
Singapore	1 (0.3)	7 (0.4)	8 (0.4)
South Africa	7 (2.3)	82 (4.4)	89 (4.1)
Sri Lanka	2 (0.7)	9 (0.5)	11 (0.5)
Sweden	—	1 (0.1)	1 (0.0)
Syria	—	1 (0.1)	1 (0.0)
Taiwan	1 (0.3)	1 (0.1)	2 (0.1)
Thailand	—	1 (0.1)	1 (0.0)
Turkey	—	1 (0.1)	1 (0.0)
Ukraine	—	2 (0.1)	2 (0.1)
United Kingdom	16 (5.3)	147 (7.9)	163 (7.5)
USA	5 (1.7)	25 (1.3)	30 (1.4)
Yugoslavia	2 (0.7)	5 (0.3)	7 (0.3)

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 1-11. Country of primary qualifications for practising dentists and dental specialists, for 2014

Country of qualification	Dental specialists (Row %)	Dentists (Row %)	Total (Column %)
New Zealand	243 (15.6)	1,310 (84.4)	1,553 (69.5)
Overseas	67 (9.8)	615 (90.2)	682 (30.5)
Total	310 (13.9)	1,925 (86.1)	2,235
Breakdown of overseas qualifications			
	(Column) ^a	(Column)	(Column)
Argentina	—	5 (0.3)	5 (0.2)
Australia	5 (1.6)	35 (1.8)	40 (1.8)
Bangladesh	—	1 (0.1)	1 (0.0)
Brazil	—	7 (0.4)	7 (0.3)
Bulgaria	—	2 (0.1)	2 (0.1)
Canada	—	9 (0.5)	9 (0.4)
Chile	—	1 (0.1)	1 (0.0)
China	—	2 (0.1)	2 (0.1)
Colombia	1 (0.3)	3 (0.2)	4 (0.2)
Czech Republic	—	3 (0.2)	3 (0.1)
Egypt	—	4 (0.2)	4 (0.2)
Fiji	1 (0.3)	8 (0.4)	9 (0.4)
France	1 (0.3)	1 (0.1)	2 (0.1)
Germany	4 (1.3)	4 (0.2)	8 (0.4)
Greece	—	2 (0.1)	2 (0.1)
Hong Kong	—	1 (0.1)	1 (0.0)
India	8 (2.6)	132 (6.9)	140 (6.3)
Iraq	3 (1.0)	50 (2.6)	53 (2.4)
Ireland	4 (1.3)	2 (0.1)	6 (0.3)
Israel	—	3 (0.2)	3 (0.1)
Italy	1 (0.3)	—	1 (0.0)
Jordan	1 (0.3)	3 (0.2)	4 (0.2)
Korea	—	3 (0.2)	3 (0.1)
Kosovo	—	1 (0.1)	1 (0.0)
Libya	1 (0.3)	—	1 (0.0)
Macedonia	—	1 (0.1)	1 (0.0)
Malaysia	1 (0.3)	2 (0.1)	3 (0.1)
Mexico	1 (0.3)	—	1 (0.0)
Netherlands	1 (0.3)	2 (0.1)	3 (0.1)
Pakistan	—	2 (0.1)	2 (0.1)
Philippines	—	6 (0.3)	6 (0.3)
Poland	—	3 (0.2)	3 (0.1)
Puerto Rico	—	1 (0.1)	1 (0.0)
Romania	—	7 (0.4)	7 (0.3)

Country of qualification	Dental specialists (Row %)	Dentists (Row %)	Total (Column %)
Russia	—	11 (0.6)	11 (0.5)
Serbia	—	2 (0.1)	2 (0.1)
Singapore	1 (0.3)	9 (0.5)	10 (0.4)
South Africa	8 (2.6)	74 (3.8)	82 (3.7)
Sri Lanka	2 (0.6)	10 (0.5)	12 (0.5)
Sweden	—	1 (0.1)	1 (0.0)
Syria	—	1 (0.1)	1 (0.0)
Taiwan	1 (0.3)	1 (0.1)	2 (0.1)
Thailand	—	1 (0.1)	1 (0.0)
Turkey	—	1 (0.1)	1 (0.0)
Ukraine	—	2 (0.1)	2 (0.1)
United Kingdom	14 (4.5)	160 (8.3)	174 (7.8)
USA	6 (1.9)	31 (1.6)	37 (1.7)
Yugoslavia	2 (0.6)	5 (0.3)	7 (0.3)

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 1-12. Country of primary qualifications for practising dentists and dental specialists, for 2015

Country of qualification	Dental specialists (Row %)	Dentists (Row %)	Total (Column %)
New Zealand	242 (15.4)	1,333 (84.6)	1,575 (68.7)
Overseas	78 (10.9)	639 (89.1)	717 (31.3)
Total	320 (14.0)	1,972 (86.0)	2,292
Breakdown of overseas qualifications			
	(Column %) ^a	(Column %)	(Column %)
Argentina	—	6 (0.3)	6 (0.3)
Australia	5 (1.6)	42 (2.1)	47 (2.1)
Bangladesh	—	1 (0.1)	1 (0.0)
Belgium	—	1 (0.1)	1 (0.0)
Brazil	1 (0.3)	8 (0.4)	9 (0.4)
Bulgaria	—	2 (0.1)	2 (0.1)
Canada	1 (0.3)	10 (0.5)	11 (0.5)
Chile	—	1 (0.1)	1 (0.0)
China	1 (0.3)	2 (0.1)	3 (0.1)
Colombia	1 (0.3)	3 (0.2)	4 (0.2)
Czech Republic	—	3 (0.2)	3 (0.1)
Egypt	1 (0.3)	4 (0.2)	5 (0.2)
Fiji	1 (0.3)	8 (0.4)	9 (0.4)
France	1 (0.3)	1 (0.1)	2 (0.1)
Germany	4 (1.3)	3 (0.2)	7 (0.3)
Greece	—	1 (0.1)	1 (0.0)
Hong Kong	—	1 (0.1)	1 (0.0)
Hungary	—	1 (0.1)	1 (0.0)
India	9 (2.8)	139 (7.0)	148 (6.5)
Iraq	3 (0.9)	49 (2.5)	52 (2.3)
Ireland	6 (1.9)	2 (0.1)	8 (0.3)
Israel	—	4 (0.2)	4 (0.2)
Italy	2 (0.6)	—	2 (0.1)
Jordan	1 (0.3)	3 (0.2)	4 (0.2)
Korea	—	3 (0.2)	3 (0.1)
Kosovo	—	1 (0.1)	1 (0.0)
Libya	1 (0.3)	—	1 (0.0)
Macedonia	—	1 (0.1)	1 (0.0)
Malaysia	2 (0.6)	3 (0.2)	5 (0.2)
Mexico	1 (0.3)	—	1 (0.0)
Netherlands	1 (0.3)	2 (0.1)	3 (0.1)
Pakistan	—	3 (0.2)	3 (0.1)
Philippines	1 (0.3)	6 (0.3)	7 (0.3)
Poland	—	3 (0.2)	3 (0.1)

Country of qualification	Dental specialists (Row %)	Dentists (Row %)	Total (Column %)
Puerto Rico	—	1 (0.1)	1 (0.0)
Romania	—	7 (0.4)	7 (0.3)
Russia	—	11 (0.6)	11 (0.5)
Serbia	—	2 (0.1)	2 (0.1)
Singapore	1 (0.3)	9 (0.5)	10 (0.4)
South Africa	10 (3.1)	73 (3.7)	83 (3.6)
Sri Lanka	2 (0.6)	10 (0.5)	12 (0.5)
Sweden	—	2 (0.1)	2 (0.1)
Syria	—	1 (0.1)	1 (0.0)
Taiwan	—	2 (0.1)	2 (0.1)
Thailand	—	2 (0.1)	2 (0.1)
Turkey	1 (0.3)	1 (0.1)	2 (0.1)
Ukraine	—	2 (0.1)	2 (0.1)
United Kingdom	14 (4.4)	167 (8.5)	181 (7.9)
USA	5 (1.6)	27 (1.4)	32 (1.4)
Yugoslavia	2 (0.6)	5 (0.3)	7 (0.3)

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 1-13. Cohort remainder rate for University of Otago dental graduates, as at 30 September 2015

Graduation cohort	Total number of domestic dental graduates ^a	Number of dental graduates with practising certificates ^b	Cohort remainder rate
1946-1950	128	1	0.8
1951-1955	175	1	0.6
1956-1960	176	2	1.1
1961-1965	188	14	7.4
1966-1970	239	58	24.3
1971-1975	212	79	37.3
1976-1980	272	139	51.1
1981-1985	269	164	61.0
1986-1990	224	124	55.4
1991-1995	247	139	56.3
1996	54	22	40.7
1997	52	27	51.9
1998	55	20	36.4
1999	58	21	36.2
2000	60	26	43.3
2001	60	26	43.3
2002	59	15	25.4
2003	56	23	41.1
2004	56	22	39.3
2005	60	26	43.3
2006	62	23	37.1
2007	61	18	29.5
2008	57	31	54.4
2009	55	38	69.1
2010	60	37	61.7
2011	58	43	74.1
2012	54	54	100.0
2013	52	63	121.2
2014	50	65	130.0

^a For the purpose of this analysis a domestic dental graduates is defined as a dental student not externally funded

^b There are internationally-funded students who registered in New Zealand—resulting in the number of registrants exceeding the domestic graduates

(Data sources: Dental register and Faculty of Dentistry)

Table 1-14. Longitudinal analysis of the cohort remainder rate of University of Otago dental graduates

	Year of graduation											
	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003
	Total number of graduates, not externally-funded ^{a, b}											
	50	52	54	58	60	55	57	61	62	60	56	56
Practising status as at:	Number of Otago dental graduates with practising certificates (cohort remainder rate)											
September 2015	65 (130.0)	63 (121.2)	54 (100.0)	43 (74.1)	37 (61.7)	38 (69.1)	31 (54.4)	18 (29.5)	23 (37.1)	26 (43.3)	22 (39.3)	23 (41.1)
September 2014		65 (125.0)	61 (113.0)	46 (79.3)	39 (65.0)	37 (67.3)	30 (52.6)	21 (34.4)	24 (38.7)	29 (48.3)	23 (41.1)	28 (50.0)
September 2013			62 (114.8)	48 (82.8)	41 (68.3)	38 (69.1)	31 (54.4)	23 (37.7)	26 (41.9)	30 (50.0)	23 (41.1)	28 (50.0)
September 2012				60 (103.4)	48 (80.0)	39 (70.9)	30 (52.6)	26 (42.6)	30 (48.4)	30 (50.0)	21 (37.5)	27 (48.2)
September 2011					57 (95.0)	46 (83.6)	34 (59.6)	27 (44.3)	29 (46.8)	32 (53.3)	25 (44.6)	29 (51.8)
March 2010						45 (81.8)	45 (78.9)	38 (62.3)	34 (54.8)	35 (58.3)	28 (50.0)	28 (50.0)
March 2009							(56.1)	(72.1)	(64.5)	(71.7)	(67.9)	(55.4)
December 2007									(50.0)	(71.7)	(60.7)	(46.4)
December 2006										(65.0)	(42.9)	(53.6)
December 2005											(48.2)	(72.4)
December 2004												(73.2)

^a For the purpose of this analysis a domestic student is defined as a student not externally funded

^b There are internationally-funded students who registered in New Zealand—resulting in the number of registrants exceeding the domestic graduates
(Data sources: Dental register and Faculty of Dentistry)

Table 1-15. Overseas qualified dentists with practising certificates—type of registration pathway by year of first New Zealand registration, as at 30 September 2015

Year of first registration in New Zealand	NZDREX (%)	Prescribed qualification or equivalency assessed (%)	Trans-Tasman Mutual Recognition (%)
1971-1975	—	2 (0.7)	—
1976-1980	—	3 (1.0)	—
1981-1985	—	2 (0.7)	—
1986-1990	—	17 (5.7)	—
1991-1995	11 (3.7)	17 (5.7)	1 (2.3)
1996	2 (0.7)	3 (1.0)	—
1997	14 (4.7)	7 (2.3)	—
1998	16 (5.4)	4 (1.3)	—
1999	12 (4.0)	2 (0.7)	—
2000	23 (7.7)	4 (1.3)	—
2001	12 (4.0)	3 (1.0)	—
2002	14 (4.7)	9 (3.0)	—
2003	13 (4.4)	13 (4.3)	1 (2.3)
2004	11 (3.7)	13 (4.3)	1 (2.3)
2005	16 (5.4)	18 (6.0)	2 (4.7)
2006	18 (6.1)	19 (6.4)	2 (4.7)
2007	22 (7.4)	12 (4.0)	1 (2.3)
2008	12 (4.0)	15 (5.0)	—
2009	17 (5.7)	18 (6.0)	3 (7.0)
2010	22 (7.4)	13 (4.3)	2 (4.7)
2011	14 (4.7)	7 (2.3)	—
2012	16 (5.4)	9 (3.0)	5 (11.6)
2013	14 (4.7)	25 (8.4)	4 (9.3)
2014	11 (3.7)	37 (12.4)	11 (25.6)
2015	7 (2.4)	27 (9.0)	10 (23.3)
Total	297	299	43

Note: NZDREX = New Zealand Dentist Registration Examination
(Data source: Dental register)

Table 1-16. Overseas qualified dental specialists with practising certificates—type of registration pathway by year of first New Zealand registration, as at 30 September 2015

Year of first registration in New Zealand	Prescribed qualification or equivalency assessed (%)	Trans-Tasman Mutual Recognition (%)
1971-1975	1 (1.4)	—
1976-1980	1 (1.4)	—
1981-1985	3 (4.2)	—
1986-1990	3 (4.2)	—
1991-1995	3 (4.2)	—
1996	1 (1.4)	—
1997	5 (7.0)	—
1998	3 (4.2)	1 (14.3)
1999	4 (5.6)	—
2000	2 (2.8)	1 (14.3)
2001	5 (7.0)	1 (14.3)
2002	2 (2.8)	—
2003	2 (2.8)	—
2004	2 (2.8)	—
2005	5 (7.0)	—
2006	—	1 (14.3)
2007	2 (2.8)	1 (14.3)
2008	1 (1.4)	1 (14.3)
2009	4 (5.6)	—
2010	4 (5.6)	—
2011	2 (2.8)	—
2012	1 (1.4)	—
2013	2 (2.8)	1 (14.3)
2014	7 (9.9)	—
2015	6 (8.5)	—
Total	71	7

(Data source: Dental register)

Table 1-17. Type of primary employment of practising dentists and dental specialists

	Number (%)	Total %
2013	Self-employed	
	Solo practice	421 (27.8) 19.4
	Group practice	1,091 (72.2) 50.4
	Subtotal	1,512 69.8
	Employees	
	Private practice	161 (44.5) 7.4
	DHB	102 (28.2) 4.7
	Faculty of Dentistry	70 (19.3) 3.2
	Government Department, not MOH	15 (4.1) 0.7
	Iwi	13 (3.6) 0.6
	MOH	1 (0.3) 0.0
	Subtotal	362 16.7
	Other forms of employment	26 1.2
	No reply to question	266 12.3
	Total	2,166
2014	Self-employed	
	Solo practice	405 (27.5) 18.1
	Group practice	1,069 (72.5) 47.8
	Subtotal	1,474 66.0
	Employees	
	Private practice	197 (48.5) 8.8
	DHB	106 (26.1) 4.7
	Faculty of Dentistry	72 (17.7) 3.2
	Government Department, not MOH	16 (3.9) 0.7
	Iwi	14 (3.4) 0.6
	MOH	1 (0.2) 0.0
	Subtotal	406 18.2
	Other forms of employment	17 0.8
	No reply to question	338 15.1
	Total	2,235

	Number (%)	Total %
2015		
Self-employed		
Solo practice	431 (27.9)	18.8
Group practice	1,116 (72.1)	48.7
Subtotal	1,547	67.5
Employees		
Private practice	168 (44.3)	7.3
DHB	113 (29.8)	4.9
Faculty of Dentistry	69 (18.2)	3.0
Government Department, not MOH	15 (4.0)	0.7
Iwi	13 (3.4)	0.6
MOH	1 (0.3)	0.0
Subtotal	379	16.5
Other forms of employment	21	0.9
No reply to question	345	15.1
Total	2,292	

Note: DHB = District health board; MOH = Ministry of Health
(Data source: Workforce survey)

Table 1-18. Total number of hours worked per week by dentists and dental specialists practising in New Zealand

	Number of hours worked	Total (%)	Dentists (%)	Dental specialists (%)
2013	1 to 10	75 (4.0)	58 (3.6)	17 (6.9)
	11 to 20	152 (8.2)	129 (8.0)	23 (9.3)
	21 to 30	340 (18.3)	303 (18.8)	37 (15.0)
	31 to 40	1,067 (57.3)	948 (58.7)	119 (48.4)
	41 to 50	171 (9.2)	134 (8.3)	37 (15.0)
	51 to 60	29 (1.6)	17 (1.1)	12 (4.9)
	More than 60	28 (1.5)	27 (1.7)	1 (0.4)
	Number giving data on hours	1,862	1,616	246
	Mean no. of hours/week (SD)	34.1 (15.5)	34.0 (15.1)	34.2 (17.6)
	Nil response or excluded	304	247	57
	Total	2,166	1,863	303
2014	1 to 10	83 (4.4)	61 (3.7)	22 (9.0)
	11 to 20	161 (8.6)	133 (8.2)	28 (11.4)
	21 to 30	347 (18.5)	305 (18.7)	42 (17.1)
	31 to 40	1,041 (55.6)	943 (58.0)	98 (40.0)
	41 to 50	178 (9.5)	143 (8.8)	35 (14.3)
	51 to 60	39 (2.1)	26 (1.6)	13 (5.3)
	More than 60	23 (1.2)	16 (1.0)	7 (2.9)
	Number giving data on hours	1,872	1,627	245
	Mean no. of hours/week (SD)	33.8 (16.0)	33.8 (15.5)	33.8 (18.7)
	Nil response or excluded	363	298	65
	Total	2,235	1,925	310
2015	1 to 10	78 (4.0)	62 (3.7)	16 (6.3)
	11 to 20	164 (8.4)	143 (8.4)	21 (8.2)
	21 to 30	365 (18.7)	313 (18.5)	52 (20.3)
	31 to 40	1,105 (56.7)	1,001 (59.1)	104 (40.6)
	41 to 50	183 (9.4)	141 (8.3)	42 (16.4)
	51 to 60	35 (1.8)	23 (1.4)	12 (4.7)
	More than 60	20 (1.0)	11 (0.6)	9 (3.5)
	Number giving data on hours	1,950	1,694	256
	Mean no. of hours/week (SD)	33.6 (15.3)	33.4 (14.8)	34.8 (18.2)
	Nil response or excluded	342	278	64
	Total	2,292	1,972	320

(Data source: Workforce survey)

Table 1-19. Reasons for part-time practice by dentist and dental specialist practising in New Zealand

	Reason for practising part-time	Females (%)	Males (%)	Total (%)
2013	Engaged in non-dental work	10 (2.8)	28 (6.8)	38 (4.9)
	Insufficient dental work	15 (4.1)	44 (10.7)	59 (7.6)
	Seeking dental work	9 (2.5)	6 (1.5)	15 (1.9)
	Semi-retired from dentistry	8 (2.2)	77 (18.8)	85 (11.0)
	Parental responsibilities	189 (52.2)	18 (4.4)	207 (26.8)
	Personal choice	103 (28.5)	199 (48.5)	302 (39.1)
	Other	28 (7.7)	38 (9.3)	66 (8.5)
	Total working part time (row %)	362 (46.9)	410 (53.1)	772
2014	Engaged in non-dental work	4 (1.1)	23 (5.7)	27 (3.5)
	Insufficient dental work	22 (6.0)	38 (9.5)	60 (7.8)
	Seeking dental work	5 (1.4)	3 (0.7)	8 (1.0)
	Semi-retired from dentistry	5 (1.4)	71 (17.7)	76 (9.9)
	Parental responsibilities	188 (51.6)	24 (6.0)	212 (27.7)
	Personal choice	119 (32.7)	199 (49.6)	318 (41.6)
	Other	21 (5.8)	43 (10.7)	64 (8.4)
	Total working part time (row %)	364 (47.6)	401 (52.4)	765
2015	Engaged in non-dental work	5 (1.3)	18 (4.5)	23 (2.9)
	Insufficient dental work	35 (8.8)	41 (10.2)	76 (9.5)
	Seeking dental work	4 (1.0)	3 (0.7)	7 (0.9)
	Semi-retired from dentistry	6 (1.5)	70 (17.4)	76 (9.5)
	Parental responsibilities	186 (46.5)	28 (6.9)	214 (26.7)
	Personal choice	135 (33.8)	195 (48.4)	330 (41.1)
	Other (see below)	29 (7.3)	48 (11.9)	77 (9.6)
	Total working part time (row %)	400 (49.8)	403 (50.2)	803

Reasons offered by the 77 who selected 'other' reasons for practising part-time, based on the 2015 data (number):

- Studying (29)
- Administration (8)
- Locum/part-time position (8)
- Extended holiday or overseas travel (7)
- Teaching (5)
- Health problems/injuries (4)
- Working overseas (2)
- Doing non-dental work (1)
- Dental Council/New Zealand Dental Association work (1)
- Ethnicity (1)
- Maternity leave/pregnancy/parenting (1)
- Personal choice (1)
- Requirement of Dental Council (1)
- Selling practice (1)
- Other/Unknown (7)

(Data sources: Dental register & workforce survey)

Table 1-20. Work by practice and employment type for dentists, by primary and secondary employer for 2013

	General dentistry		Teaching ^a		Administration ^a		Overall		
	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number ^{b, d}	Mean hours spent at work type (SD)	Number not reported ^c
Primary employer									
Private practice (self-emp)	1,311	32.2 (9.2)	2	6.5 (3.5)	26	13.5 (17.2)	1,321	33.0 (10.7)	11
Private practice (employee)	143	32.6 (9.0)	1	2.0	5	20.4 (13.1)	143	34.0 (10.9)	2
DHB or MOH	68	32.3 (11.1)	—	—	8	18.4 (10.5)	73	35.7 (9.6)	3
University	19	29.4 (10.8)	10	20.8 (13.7)	—	—	32	31.1 (14.2)	4
Other	36	31.0 (9.7)	34	0.4	10	23.8 (12.2)	43	31.8 (10.9)	7
Total number							1,612		27
Secondary employer									
Private practice (self-emp)	60	11.8 (7.0)	1	6.0	1	1.0	62	11.6 (7.0)	
Private practice (employee)	13	13.8 (9.6)	—	—	—	—	13	13.9 (9.6)	
DHB or MOH	16	9.3 (5.6)	—	—	2	8.5 (3.5)	19	10.2 (5.4)	
University	3	20.0 (14.2)	12	6.6 (3.7)	—	—	16	9.3 (8.7)	
Other	4	8.5 (6.9)	1	5.0	—	—	4	9.8 (6.6)	
Total number							114		

^a Where specifically employed to do so

^b Dentists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Practice and employment type provided, but no hours recorded

^d Totals of rows may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = district health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 1-21. Work by practice and employment type for dentists, by primary and secondary employer for 2014

	General dentistry		Teaching ^a		Administration ^a		Overall		
	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number ^{b, d}	Mean hours spent at work type (SD)	Number not reported ^c
Primary employer									
Private practice (self-emp)	1,289	32.3 (9.3)	2	3.0 (2.0)	20	7.0 (8.0)	1,296	32.9 (10.3)	13
Private practice (employee)	167	31.6 (9.7)	2	5.5 (0.5)	1	10.0	173	31.7 (10.8)	2
DHB or MOH	69	32.7 (10.9)	—	—	6	18.3 (12.6)	76	36.4 (9.6)	
University	17	32.6 (9.8)	14	18.7 (14.8)	—	—	34	31.6 (13.6)	4
Other	36	25.6 (11.6)	28	0.7 (5.0)	10	25.0 (13.6)	40	30.3 (9.4)	4
Total number							1,619		23
Secondary employer									
Private practice (self-emp)	52	11.7 (5.4)	2	28.0 (12.0)	—	—	54	12.6 (6.7)	
Private practice (employee)	9	14.1 (8.6)	—	—	1	10.0	10	15.3 (8.1)	
DHB or MOH	18	17.1 (12.4)	—	—	4	10.3 (4.7)	22	17.3 (11.8)	
University	7	8.6 (5.4)	7	6.4 (5.7)	—	—	14	7.5 (5.7)	
Other	6	9.0 (6.9)	—	—	—	—	7	8.0 (6.8)	
Total number							107		

^a Where specifically employed to do so

^b Dentists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Practice and employment type provided, but no hours recorded

^d Totals of rows may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = district health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 1-22. Work by practice and employment type for dentists, by primary and secondary employer for 2015

	General dentistry		Teaching ^a		Administration ^a		Overall		
	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number ^{b, d}	Mean hours spent at work type (SD)	Number not reported ^c
Primary employer									
Private practice (self-emp)	1,364	32.2 (9.3)	5	7.4 (8.5)	26	6.1 (4.9)	1,372	32.6 (10.0)	9
Private practice (employee)	142	31.7 (9.2)	—	—	4	5.5 (2.3)	144	32.1 (9.9)	1
DHB or MOH	78	34.4 (10.8)	2	2.5 (1.5)	6	20.8 (12.5)	82	35.4 (12.0)	2
University	19	24.9 (15.1)	15	14.7 (11.1)	2	14.0 (6.0)	34	25.3 (15.9)	1
Other	39	28.0 (10.2)	34	0.3 (0.5)	11	25.0 (11.4)	47	30.9 (9.1)	—
Total number							1,679		13
Secondary employer									
Private practice (self-emp)	56	12.9 (7.4)	—	—	1	8.0	57	13.0 (7.5)	
Private practice (employee)	16	11.7 (5.7)	—	—	1	10.0	17	12.1 (6.6)	
DHB or MOH	12	16.6 (15.4)	—	—	6	9.8 (3.7)	17	15.2 (13.2)	
University	5	4.8 (2.7)	14	7.1 (4.7)	—	—	19	6.5 (4.4)	
Other	2	8.0 (2.0)	—	—	—	—	2	8.0 (2.0)	
Total number							112		

^a Where specifically employed to do so

^b Dentists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Practice and employment type provided, but no hours recorded

^d Totals of rows may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = district health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 1-23. Work by practice and employment type for dental specialists, by primary employer for 2013

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No. ^a	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	—	—	9	31.2 (7.7)	—	—	—	—
Dental Public Health	7	22.9 (10.7)	1	40.0	—	—	2	20.0 (10.0)
Endodontics	—	—	18	33.9 (8.5)	1	35.0	2	24.0 (16.0)
Oral Medicine and Pathology	2	18.5 (5.5)	2	3.5 (1.5)	—	—	5	30.6 (13.7)
Oral and Maxillofacial Surgery	5	42.2 (12.8)	34	36.3 (12.0)	—	—	1	40.0
Oral Surgery	—	—	10	28.4 (12.4)	—	—	—	—
Orthodontics	1	32.0	68	33.7 (11.2)	6	25.2 (9.8)	3	26.0 (11.8)
Paediatric dentistry	4	27.0 (11.8)	4	20.5 (10.2)	—	—	4	26.3 (19.2)
Periodontics	1	36.0	19	28.2 (13.1)	4	33.5 (9.7)	4	20.8 (12.9)
Prosthodontics	—	—	8	26.4 (11.0)	3	28.7 (6.6)	4	33.0 (12.1)
Restorative dentistry	1	8.0	5	13.2 (4.3)	2	14.0 (2.0)	2	15.0 (5.0)
Special needs dentistry	8	24.5 (13.1)	1	5.0	—	—	—	—
Administration/Management	—	—	—	—	—	—	—	—
Research	1	4.0	—	—	—	—	8	11.6 (8.3)
Teaching	—	—	—	—	—	—	2	25.0 (15.0)
Other	—	—	—	—	—	—	—	—
No hours recorded ^b	1		1		—		7	
Total number ^c	27		173		16		34	

^a Specialists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^b Practice and employment type provided, but no hours recorded

^c Total of the column above may sum to greater than this, as some specialists reported activities in multiple scope activities
(Data source: Workforce survey)

Table 1-24. Work by practice and employment type for dental specialists, by primary employer for 2014

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No. ^a	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	—	—	7	33.0 (6.3)	—	—	—	—
Dental Public Health	9	16.9 (10.2)	—	—	—	—	5	18.4 (5.3)
Endodontics	—	—	18	36.0 (6.8)	—	—	3	16.0 (5.7)
Oral Medicine and Pathology	3	24.0	—	—	—	—	5	29.2 (17.0)
Oral and Maxillofacial Surgery	5	42.8 (7.0)	31	34.2 (10.2)	4	38.8 (2.2)	2	50.0 (0.0)
Oral Surgery	1	26.0	5	36.8 (6.1)	—	—	—	—
Orthodontics	—	—	62	34.2 (12.3)	12	25.2 (13.6)	3	24.0 (11.8)
Paediatric dentistry	4	17.8 (9.3)	3	23.7 (13.9)	—	—	2	26.0 (14.0)
Periodontics	—	—	16	31.4 (13.7)	3	33.0 (6.7)	3	14.3 (11.4)
Prosthodontics	—	—	12	26.3 (12.3)	2	29.0 (9.0)	5	16.0 (13.2)
Restorative dentistry	1	8.0	3	13.3 (5.0)	2	18.0 (2.0)	1	5.0
Special needs dentistry	7	30.6 (11.3)	—	—	—	—	—	—
Administration/Management	—	—	1	4.0	—	—	—	—
Research	1	5.0	1	14.0	—	—	9	11.7 (10.4)
Teaching	—	—	—	—	—	—	3	38.3 (10.3)
Other	—	—	—	—	—	—	—	—
No hours recorded ^b	2		1		—		1	
Total number ^c	31		158		22		34	

^a Specialists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^b Practice and employment type provided, but no hours recorded

^c Total of the column above may sum to greater than this, as some specialists reported activities in multiple scope activities

(Data source: Workforce survey)

Table 1-25. Work by practice and employment type for dental specialists, by primary employer for 2015

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No. ^a	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	2	29.5 (5.5)	13	31.5 (8.6)	3	16.0 (6.4)	1	14.0
Dental Public Health	8	20.9 (13.6)	1	10.0	—	—	5	15.0 (5.4)
Endodontics	1	20.0	17	33.5 (8.0)	—	—	3	22.7 (11.6)
Oral Medicine and Pathology	2	25.0 (1.0)	1	2.0	—	—	4	23.0 (18.5)
Oral and Maxillofacial Surgery	6	41.2 (14.2)	24	34.2 (9.5)	5	40.0 (3.2)	2	47.5
Oral Surgery	1	20.0	9	33.1 (14.7)	—	—	—	—
Orthodontics	—	—	63	36.1 (11.4)	5	27.2 (11.1)	3	13.3 (2.4)
Paediatric dentistry	6	20.0 (14.4)	7	27.9 (9.6)	1	14.0	3	22.7 (13.2)
Periodontics	—	—	18	31.8 (12.0)	4	27.0 (12.7)	4	23.3 (10.1)
Prosthodontics	1	12.0	8	27.8 (11.3)	3	29.3 (6.5)	6	20.5 (13.9)
Restorative dentistry	1	16.0	6	16.8 (8.5)	3	17.7 (9.2)	1	8.0
Special needs dentistry	5	18.8 (4.3)	1	28.0	—	—	1	16.0
Administration/Management	1	5.0	—	—	—	—	1	10.0
Research	1	3.0	1	2.0	—	—	7	10.6 (3.5)
Teaching	—	—	—	—	—	—	2	24.0 (14.0)
Other	3	51.7 (15.5)	1	6.0	—	—	—	—
No hours recorded ^b	—	—	—	—	—	—	2	—
Total number ^c	30		163		23		34	

^a Specialists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^b Practice and employment type provided, but no hours recorded

^c Total of the column above may sum to greater than this, as some specialists reported activities in multiple scope activities
(Data source: Workforce survey)

Table 1-26. Work by practice and employment type for dental specialists, by secondary employer for 2013 ^a

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No. ^a	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	—	—	1	20.0	1	16.0	—	—
Dental Public Health	—	—	—	—	—	—	—	—
Endodontics	—	—	—	—	—	—	—	—
Oral and Maxillofacial Surgery	12	12.4 (6.4)	2	14.0 (6.0)	2	16.0 (14.0)	—	—
Oral Medicine and Pathology	—	—	1	2.0	—	—	—	—
Oral Surgery	2	5.0	—	—	1	15.0	—	—
Orthodontics	8	10.1 (7.5)	2	12.0 (4.0)	—	—	1	4.0
Paediatric dentistry	—	—	1	8.0	—	—	1	16.0
Periodontics	—	—	2	10.5 (4.5)	—	—	—	—
Prosthodontics	2	16.0 (4.0)	2	8.0 (4.0)	—	—	—	—
Restorative dentistry	1	8.0	—	—	—	—	—	—
Special needs dentistry	2	7.5 (4.5)	—	—	—	—	—	—
Administration/Management	2	12.0 (4.0)	—	—	—	—	—	—
Research	—	—	—	—	—	—	—	—
Teaching	—	—	—	—	—	—	—	—
Other	1	2.0	—	—	—	—	—	—
No hours recorded ^b	13		8		2		6	
Total number ^c	42		20		6		8	

^a Specialists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^b Practice and employment type provided, but no hours recorded

^c Total of the column above may sum to greater than this, as some specialists reported activities in multiple scope activities

(Data source: Workforce survey)

Table 1-27. Work by practice and employment type for dental specialists, by secondary employer for 2014

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No. ^a	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	—	—	—	—	—	—	—	—
Dental Public Health	1	4.0	—	—	—	—	—	—
Endodontics	—	—	2	3.5 (0.5)	—	—	—	—
Oral and Maxillofacial Surgery	13	16.3 (7.7)	4	11.8 (7.9)	1	3.0	—	—
Oral Medicine and Pathology	1	10.0	1	4.0	—	—	—	—
Oral Surgery	3	11.0 (6.5)	1	20.0	—	—	—	—
Orthodontics	8	8.5 (4.7)	2	12.0 (4.0)	1	10.0	2	10.0 (6.0)
Paediatric dentistry	—	—	1	7.0	1	8.0	—	—
Periodontics	—	—	1	6.0	—	—	—	—
Prosthodontics	2	12.0 (8.0)	—	—	—	—	1	4.0
Restorative dentistry	1	8.0	—	—	—	—	—	—
Special needs dentistry	1	10.0	—	—	—	—	—	—
Administration/Management	—	—	—	—	—	—	—	—
Research	—	—	—	—	—	—	—	—
Teaching	—	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—	—
No hours recorded ^b	5		6		5		7	
Total number ^c	34		18		8		10	

^a Specialists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^b Practice and employment type provided, but no hours recorded

^c Total of the column above may sum to greater than this, as some specialists reported activities in multiple scope activities

(Data source: Workforce survey)

Table 1-28. Work by practice and employment type for dental specialists, by secondary employer for 2015

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No. ^a	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	2	2.5 (1.5)	3	8.3 (5.8)	—	—	—	—
Dental Public Health	2	4.0	—	—	—	—	2	15.5 (11.5)
Endodontics	1	15.0	—	—	—	—	—	—
Oral and Maxillofacial Surgery	16	14.1 (6.1)	3	15.0 (11.2)	1	3.0	—	—
Oral Medicine and Pathology	—	—	1	10.0	—	—	1	10.0
Oral Surgery	—	—	2	12.5 (2.5)	2	7.0 (1.0)	—	—
Orthodontics	8	7.8 (5.2)	2	3.5 (1.5)	—	—	—	—
Paediatric dentistry	2	9.5 (1.5)	2	13.5 (1.5)	1	8.0	—	—
Periodontics	—	—	3	7.3 (0.9)	—	—	1	20.0
Prosthodontics	1	6.0	1	2.0	2	2.5 (0.5)	1	5.0
Restorative dentistry	1	8.0	—	—	—	—	—	—
Special needs dentistry	3	6.7 (1.9)	—	—	—	—	—	—
Administration/Management	1	16.0	—	—	—	—	—	—
Research	—	—	—	—	—	—	—	—
Teaching	—	—	—	—	—	—	—	—
Other	1	3.0	—	—	—	—	—	—
No hours recorded ^b	8		5		3		5	
Total number ^c	43		20		9		10	

^a Specialists reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^b Practice and employment type provided, but no hours recorded

^c Total of the column above may sum to greater than this, as some specialists reported activities in multiple scope activities

(Data source: Workforce survey)

Table 1-29. Geographic distribution of practising dentists and dental specialists by Territorial Authority (TA), for 2012

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Far North	17 (0.9)	—	17 (0.8)	12.4 [17]
Whangarei	31 (1.7)	5 (1.7)	36 (1.7)	29.8 [35]
Kaipara	2 (0.1)	—	2 (0.1)	1.9 [2]
Auckland unitary authority	590 (32.2)	85 (29.1)	675 (31.7)	534.7 [627]
<i>Rodney</i>	31 (1.7)	1 (0.3)	32 (1.5)	26.3 [30]
<i>North Shore</i>	114 (6.2)	22 (7.5)	136 (6.4)	111.9 [125]
<i>Waitakere</i>	56 (3.1)	7 (2.4)	63 (3.0)	51.6 [59]
<i>Auckland</i>	268 (14.6)	43 (14.7)	311 (14.6)	239.9 [289]
<i>Manukau</i>	92 (5.0)	9 (3.1)	101 (4.7)	82.1 [95]
<i>Papakura</i>	17 (0.9)	2 (0.7)	19 (0.9)	12.6 [16]
<i>Franklin</i>	12 (0.7)	1 (0.3)	13 (0.6)	10.4 [13]
Thames-Coromandel District	13 (0.7)	—	13 (0.6)	9.3 [12]
Hauraki District	2 (0.1)	—	2 (0.1)	1.7 [2]
Waikato District	2 (0.1)	—	2 (0.1)	2.3 [2]
Matamata-Piako District	11 (0.6)	—	11 (0.5)	8.8 [10]
Hamilton City	79 (4.3)	18 (6.2)	97 (4.6)	76.2 [87]
Waipa District	16 (0.9)	—	16 (0.8)	11.7 [15]
Otorohanga District	7 (0.4)	—	7 (0.3)	3.8 [5]
South Waikato District	5 (0.3)	—	5 (0.2)	3.8 [5]
Waitomo District	1 (0.1)	—	1 (0.0)	1.0 [1]
Taupo District	12 (0.7)	1 (0.3)	13 (0.6)	9.0 [11]
Western Bay of Plenty District	10 (0.5)	1 (0.3)	11 (0.5)	9.3 [11]
Tauranga City	61 (3.3)	5 (1.7)	66 (3.1)	54.0 [62]
Rotorua District	22 (1.2)	4 (1.4)	26 (1.2)	17.6 [22]
Whakatane District	9 (0.5)	—	9 (0.4)	6.1 [8]
Kawerau District	1 (0.1)	—	1 (0.0)	1.1 [1]
Opotiki District	1 (0.1)	—	1 (0.0)	1.0 [1]
Gisborne District	10 (0.5)	1 (0.3)	11 (0.5)	9.7 [11]
Wairoa District	4 (0.2)	—	4 (0.2)	2.0 [2]
Hastings District	21 (1.1)	2 (0.7)	23 (1.1)	19.5 [22]
Napier City	30 (1.6)	3 (1.0)	33 (1.6)	25.6 [31]
Central Hawke's Bay District	3 (0.2)	—	3 (0.1)	2.5 [3]
New Plymouth District	22 (1.2)	6 (2.1)	28 (1.3)	25.7 [27]
Stratford District	1 (0.1)	—	1 (0.0)	0.9 [1]
South Taranaki District	8 (0.4)	—	8 (0.4)	6.1 [8]
Ruapehu District	3 (0.2)	—	3 (0.1)	2.8 [3]
Wanganui District	17 (0.9)	1 (0.3)	18 (0.8)	13.0 [15]
Rangitikei District	2 (0.1)	—	2 (0.1)	1.8 [2]
Manawatu District	5 (0.3)	—	5 (0.2)	4.5 [5]

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Palmerston North City	39 (2.1)	6 (2.1)	45 (2.1)	32.9 [38]
Tararua District	3 (0.2)	—	3 (0.1)	3.3 [3]
Horowhenua District	9 (0.5)	1 (0.3)	10 (0.5)	8.0 [9]
Kapiti Coast District	13 (0.7)	—	13 (0.6)	10.7 [13]
Porirua City	12 (0.7)	—	12 (0.6)	11.1 [12]
Upper Hutt City	12 (0.7)	1 (0.3)	13 (0.6)	10.6 [13]
Lower Hutt City	53 (2.9)	6 (2.1)	59 (2.8)	39.7 [47]
Wellington City	124 (6.8)	18 (6.2)	142 (6.7)	106.5 [128]
Masterton District	9 (0.5)	—	9 (0.4)	7.8 [9]
Carterton District	3 (0.2)	—	3 (0.1)	2.5 [3]
South Wairarapa District	—	—	—	—
Tasman District	18 (1.0)	2 (0.7)	20 (0.9)	12.8 [17]
Nelson City	32 (1.7)	8 (2.7)	40 (1.9)	28.2 [36]
Marlborough District	15 (0.8)	—	15 (0.7)	11.8 [13]
Kaikoura District	1 (0.1)	—	1 (0.0)	0.8 [1]
Buller District	1 (0.1)	—	1 (0.0)	1.0 [1]
Grey District	7 (0.4)	—	7 (0.3)	4.1 [5]
Westland District	1 (0.1)	—	1 (0.0)	0.8 [1]
Hurunui District	—	—	—	—
Waimakariri District	12 (0.7)	—	12 (0.6)	9.7 [11]
Christchurch City	180 (9.8)	33 (11.3)	213 (10.0)	157.5 [190]
Selwyn District	5 (0.3)	—	5 (0.2)	4.8 [5]
Ashburton District	9 (0.5)	1 (0.3)	10 (0.5)	7.4 [7]
Timaru District	12 (0.7)	2 (0.7)	14 (0.7)	12.1 [14]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	20 (1.1)	1 (0.3)	21 (1.0)	15.0 [17]
Central Otago District	9 (0.5)	—	9 (0.4)	7.5 [9]
Queenstown-Lakes District	12 (0.7)	2 (0.7)	14 (0.7)	10.1 [13]
Dunedin City	111 (6.0)	42 (14.4)	153 (7.2)	96.2 [125]
Clutha District	4 (0.2)	—	4 (0.2)	3.9 [4]
Southland District	2 (0.1)	—	2 (0.1)	1.8 [2]
Gore District	5 (0.3)	1 (0.3)	6 (0.3)	4.8 [5]
Invercargill City	31 (1.7)	5 (1.7)	36 (1.7)	26.4 [29]
TLA code not available	53 (2.9)	31 (10.6)	84 (3.9)	78.5 [36]
Total	1,835	292	2,127	1,636.8 [1882]

Note: FTE = Full time equivalent. Dentists include dental specialists.
Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 1-30. Population to practising dentists and dental specialists and FTE ratios by TA, for 2012

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dentist ratio _{a, b}	Dentists per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+
Far North	60,400	46,700	2,747.1	36.4	3,758.6	26.6
Whangarei	82,800	64,600	1,794.4	55.7	2,166.0	46.2
Kaipara	20,300	16,100	8,050.0	12.4	8,586.7	11.6
Auckland	1,476,500	1,164,100	1,724.6	58.0	2,177.3	45.9
Thames-Coromandel District	27,200	22,700	1,746.2	57.3	2,447.4	40.9
Hauraki District	18,600	14,950	7,475.0	13.4	9,060.6	11.0
Waikato District	66,100	50,100	25,050.0	4.0	21,548.4	4.6
Matamata-Piako District	32,600	25,500	2,318.2	43.1	2,889.5	34.6
Hamilton City	148,100	116,000	1,195.9	83.6	1,522.3	65.7
Waipa District	48,200	37,700	2,356.3	42.4	3,215.4	31.1
Otorohanga District	9,570	7,350	1,050.0	95.2	1,934.2	51.7
South Waikato District	23,200	17,700	3,540.0	28.2	4,720.0	21.2
Waitomo District	9,490	7,180	7,180.0	13.9	7,557.9	13.2
Taupo District	34,600	27,200	2,092.3	47.8	3,039.1	32.9
Western Bay of Plenty District	45,500	36,300	3,300.0	30.3	3,903.2	25.6
Tauranga City	118,300	93,700	1,419.7	70.4	1,736.0	57.6
Rotorua District	68,600	52,400	2,015.4	49.6	2,981.5	33.5
Whakatane District	34,300	26,200	2,911.1	34.4	4,277.6	23.4
Kawerau District	6,850	5,080	5,080.0	19.7	4,618.2	21.7
Opotiki District	8,870	6,800	6,800.0	14.7	6,800.0	14.7
Gisborne District	47,000	35,200	3,200.0	31.3	3,647.7	27.4
Wairoa District	8,350	6,250	1,562.5	64.0	3,125.0	32.0
Hastings District	76,400	58,700	2,552.2	39.2	3,018.0	33.1
Napier City	59,400	47,200	1,430.3	69.9	1,847.4	54.1
Central Hawke's Bay District	13,350	10,600	3,533.3	28.3	4,326.5	23.1
New Plymouth District	76,200	60,600	2,164.3	46.2	2,360.3	42.4
Stratford District	9,230	7,200	7,200.0	13.9	8,000.0	12.5
South Taranaki District	27,400	21,100	2,637.5	37.9	3,473.3	28.8
Ruapehu District	12,600	9,700	3,233.3	30.9	3,464.3	28.9
Wanganui District	43,600	34,700	1,927.8	51.9	2,664.1	37.5
Rangitikei District	14,550	11,500	5,750.0	17.4	6,301.4	15.9
Manawatu District	28,200	22,300	4,460.0	22.4	5,011.2	20.0
Palmerston North City	83,300	66,400	1,475.6	67.8	2,018.2	49.5
Taranua District	17,600	13,700	4,566.7	21.9	4,215.4	23.7
Horowhenua District	31,200	25,100	2,510.0	39.8	3,127.7	32.0

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dentist ratio _{a, b}	Dentists per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+
Kapiti Coast District	50,400	41,100	3,161.5	31.6	3,859.2	25.9
Porirua City	53,400	40,300	3,358.3	29.8	3,647.1	27.4
Upper Hutt City	41,300	32,900	2,530.8	39.5	3,111.1	32.1
Lower Hutt City	101,200	79,400	1,345.8	74.3	1,998.7	50.0
Wellington City	196,600	162,300	1,143.0	87.5	1,523.9	65.6
Masterton District	24,100	19,200	2,133.3	46.9	2,461.5	40.6
Carterton District	8,310	6,640	2,213.3	45.2	2,710.2	36.9
South Wairarapa District	9,710	7,800	—	—	—	—
Tasman District	48,600	38,800	1,940.0	51.5	3,037.2	32.9
Nelson City	48,200	39,100	977.5	102.3	1,386.5	72.1
Marlborough District	44,600	36,600	2,440.0	41.0	3,095.1	32.3
Kaikoura District	3,680	3,060	3,060.0	32.7	3,825.0	26.1
Buller District	10,650	8,650	8,650.0	11.6	8,650.0	11.6
Grey District	13,900	11,100	1,585.7	63.1	2,723.9	36.7
Westland District	8,560	6,990	6,990.0	14.3	9,320.0	10.7
Hurunui District	11,800	9,500	—	—	—	—
Waimakariri District	50,500	40,100	3,341.7	29.9	4,144.7	24.1
Christchurch City	355,100	290,700	1,364.8	73.3	1,846.3	54.2
Selwyn District	44,400	34,600	6,920.0	14.5	7,208.3	13.9
Ashburton District	31,700	25,200	2,520.0	39.7	3,416.9	29.3
Timaru District	45,100	36,800	2,628.6	38.0	3,047.6	32.8
Mackenzie District	4,280	3,450	—	—	—	—
Waimate District	7,720	6,330	—	—	—	—
Chatham Islands Territory	600	480	—	—	—	—
Waitaki District	21,300	17,400	828.6	120.7	1,163.9	85.9
Central Otago District	18,200	14,850	1,650.0	60.6	1,993.3	50.2
Queenstown-Lakes District	28,800	23,500	1,678.6	59.6	2,332.5	42.9
Dunedin City	123,500	103,500	676.5	147.8	1,076.2	92.9
Clutha District	17,300	13,700	3,425.0	29.2	3,535.5	28.3
Southland District	30,200	23,600	11,800.0	8.5	13,485.7	7.4
Gore District	12,400	9,900	1,650.0	60.6	2,073.3	48.2
Invercargill City	53,200	42,600	1,183.3	84.5	1,612.1	62.0
Missing/outside TA	70	70				
Total	4,408,100	3,498,200	1,644.7	60.8	2,137.2	46.8

^a Population estimate as at 30 June 2012

^b Where hours are reported

Note: Dentists include dental specialists.

Due to rounding, individual figures may not always sum to the stated totals

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 1-31. Geographic distribution of practising dentists and dental specialists by TA, for 2013

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Far North	20 (1.1)	—	20 (0.9)	14.8 [18]
Whangarei	29 (1.6)	5 (1.7)	34 (1.6)	29.1 [33]
Kaipara	4 (0.2)	—	4 (0.2)	3.7 [3]
Auckland unitary authority	598 (32.1)	87 (28.7)	685 (31.6)	542.5 [632]
<i>Rodney</i>	31 (1.7)	1 (0.3)	32 (1.5)	26.9 [32]
<i>North Shore</i>	114 (6.1)	23 (7.6)	137 (6.3)	111.8 [131]
<i>Waitakere</i>	58 (3.1)	7 (2.3)	65 (3.0)	50.4 [60]
<i>Auckland</i>	270 (14.5)	43 (14.2)	313 (14.5)	235.6 [281]
<i>Manukau</i>	99 (5.3)	10 (3.3)	109 (5.0)	92.5 [100]
<i>Papakura</i>	16 (0.9)	2 (0.7)	18 (0.8)	14.0 [17]
<i>Franklin</i>	10 (0.5)	1 (0.3)	11 (0.5)	11.3 [11]
Thames-Coromandel District	15 (0.8)	—	15 (0.7)	9.8 [13]
Hauraki District	2 (0.1)	—	2 (0.1)	1.9 [2]
Waikato District	3 (0.2)	—	3 (0.1)	2.3 [2]
Matamata-Piako District	14 (0.8)	—	14 (0.6)	9.0 [11]
Hamilton City	75 (4.0)	17 (5.6)	92 (4.2)	78.3 [86]
Waipa District	19 (1.0)	—	19 (0.9)	15.0 [18]
Otorohanga District	8 (0.4)	—	8 (0.4)	5.8 [7]
South Waikato District	6 (0.3)	—	6 (0.3)	5.3 [6]
Waitomo District	1 (0.1)	—	1 (0.0)	1.0 [1]
Taupo District	12 (0.6)	—	12 (0.6)	8.4 [10]
Western Bay of Plenty District	12 (0.6)	1 (0.3)	13 (0.6)	11.5 [13]
Tauranga City	59 (3.2)	5 (1.7)	64 (3.0)	51.3 [60]
Rotorua District	23 (1.2)	3 (1.0)	26 (1.2)	22.3 [23]
Whakatane District	10 (0.5)	—	10 (0.5)	7.2 [9]
Kawerau District	1 (0.1)	—	1 (0.0)	1.0 [1]
Opotiki District	1 (0.1)	—	1 (0.0)	1.0 [1]
Gisborne District	11 (0.6)	2 (0.7)	13 (0.6)	11.1 [13]
Wairoa District	3 (0.2)	—	3 (0.1)	2.9 [2]
Hastings District	25 (1.3)	3 (1.0)	28 (1.3)	22.0 [26]
Napier City	31 (1.7)	3 (1.0)	34 (1.6)	22.8 [29]
Central Hawke's Bay District	3 (0.2)	—	3 (0.1)	2.4 [3]
New Plymouth District	21 (1.1)	6 (2.0)	27 (1.2)	23.4 [26]
Stratford District	1 (0.1)	—	1 (0.0)	0.9 [1]
South Taranaki District	8 (0.4)	—	8 (0.4)	5.2 [7]
Ruapehu District	2 (0.1)	—	2 (0.1)	1.4 [2]
Wanganui District	15 (0.8)	1 (0.3)	16 (0.7)	12.5 [15]
Rangitikei District	2 (0.1)	—	2 (0.1)	1.6 [2]
Manawatu District	5 (0.3)	—	5 (0.2)	4.6 [5]

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Palmerston North City	40 (2.1)	5 (1.7)	45 (2.1)	36.2 [42]
Tararua District	3 (0.2)	—	3 (0.1)	3.4 [3]
Horowhenua District	10 (0.5)	—	10 (0.5)	6.5 [8]
Kapiti Coast District	16 (0.9)	—	16 (0.7)	12.4 [15]
Porirua City	14 (0.8)	—	14 (0.6)	12.1 [14]
Upper Hutt City	12 (0.6)	—	12 (0.6)	8.0 [11]
Lower Hutt City	49 (2.6)	6 (2.0)	55 (2.5)	37.6 [47]
Wellington City	126 (6.8)	18 (5.9)	144 (6.6)	105.6 [126]
Masterton District	10 (0.5)	—	10 (0.5)	8.7 [10]
Carterton District	3 (0.2)	—	3 (0.1)	2.7 [3]
South Wairarapa District	—	—	—	—
Tasman District	16 (0.9)	1 (0.3)	17 (0.8)	10.4 [14]
Nelson City	29 (1.6)	8 (2.6)	37 (1.7)	27.2 [34]
Marlborough District	16 (0.9)	—	16 (0.7)	13.0 [15]
Kaikoura District	1 (0.1)	—	1 (0.0)	0.8 [1]
Buller District	1 (0.1)	—	1 (0.0)	2.0 [1]
Grey District	5 (0.3)	—	5 (0.2)	3.9 [5]
Westland District	1 (0.1)	—	1 (0.0)	0.8 [1]
Hurunui District	—	—	—	—
Waimakariri District	13 (0.7)	1 (0.3)	14 (0.6)	9.6 [12]
Christchurch City	173 (9.3)	34 (11.2)	207 (9.6)	152.5 [184]
Selwyn District	9 (0.5)	—	9 (0.4)	5.6 [6]
Ashburton District	8 (0.4)	1 (0.3)	9 (0.4)	9.1 [9]
Timaru District	14 (0.8)	2 (0.7)	16 (0.7)	13.2 [15]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	17 (0.9)	1 (0.3)	18 (0.8)	13.3 [17]
Central Otago District	11 (0.6)	—	11 (0.5)	9.6 [10]
Queenstown-Lakes District	14 (0.8)	1 (0.3)	15 (0.7)	11.3 [15]
Dunedin City	110 (5.9)	49 (16.2)	159 (7.4)	103.5 [128]
Clutha District	4 (0.2)	—	4 (0.2)	3.8 [4]
Southland District	2 (0.1)	—	2 (0.1)	1.8 [2]
Gore District	5 (0.3)	—	5 (0.2)	3.9 [5]
Invercargill City	26 (1.4)	5 (1.7)	31 (1.4)	24.5 [26]
TLA code not available	66 (3.5)	38 (12.5)	104 (4.8)	8.5 [10]
Total	1,863	303	2,166	1,592.6 [1873]

Note: FTE = Full time equivalent. Dentists include dental specialists.
Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 1-32. Population to practising dentists and dental specialists and FTE ratios by TA, for 2013

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dentist ratio _{a, b}	Dentists per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+
Far North	60,600	46,900	2,345.0	42.6	3,174.3	31.5
Whangarei	83,700	65,200	1,917.6	52.1	2,238.6	44.7
Kaipara	20,500	16,300	4,075.0	24.5	4,435.4	22.5
Auckland	1,493,200	1,181,700	1,725.1	58.0	2,178.4	45.9
Thames-Coromandel District	27,300	22,800	1,520.0	65.8	2,332.5	42.9
Hauraki District	18,600	14,950	7,475.0	13.4	7,973.3	12.5
Waikato District	66,500	50,500	16,833.3	5.9	21,720.4	4.6
Matamata-Piako District	32,900	25,700	1,835.7	54.5	2,855.6	35.0
Hamilton City	150,200	117,800	1,280.4	78.1	1,504.0	66.5
Waipa District	48,700	38,200	2,010.5	49.7	2,555.2	39.1
Otorohanga District	9,590	7,340	917.5	109.0	1,276.5	78.3
South Waikato District	23,200	17,700	2,950.0	33.9	3,323.9	30.1
Waitomo District	9,340	7,090	7,090.0	14.1	7,090.0	14.1
Taupo District	34,800	27,200	2,266.7	44.1	3,238.1	30.9
Western Bay of Plenty District	45,500	36,400	2,800.0	35.7	3,172.1	31.5
Tauranga City	119,800	95,000	1,484.4	67.4	1,850.9	54.0
Rotorua District	68,400	52,600	2,023.1	49.4	2,361.4	42.3
Whakatane District	34,200	26,200	2,620.0	38.2	3,626.3	27.6
Kawerau District	6,650	4,940	4,940.0	20.2	4,940.0	20.2
Opotiki District	8,780	6,760	6,760.0	14.8	6,760.0	14.8
Gisborne District	47,000	35,300	2,715.4	36.8	3,187.4	31.4
Wairoa District	8,300	6,230	2,076.7	48.2	2,167.0	46.1
Hastings District	76,700	59,000	2,107.1	47.5	2,681.8	37.3
Napier City	59,600	47,400	1,394.1	71.7	2,083.5	48.0
Central Hawke's Bay District	13,250	10,500	3,500.0	28.6	4,421.1	22.6
New Plymouth District	77,100	61,300	2,270.4	44.0	2,616.9	38.2
Stratford District	9,210	7,180	7,180.0	13.9	7,977.8	12.5
South Taranaki District	27,500	21,200	2,650.0	37.7	4,057.4	24.6
Ruapehu District	12,450	9,550	4,775.0	20.9	6,945.5	14.4
Wanganui District	43,500	34,700	2,168.8	46.1	2,787.1	35.9
Rangitikei District	14,550	11,400	5,700.0	17.5	7,354.8	13.6
Manawatu District	28,500	22,500	4,500.0	22.2	4,864.9	20.6
Palmerston North City	83,500	66,800	1,484.4	67.4	1,845.3	54.2
Taranua District	17,450	13,600	4,533.3	22.1	4,029.6	24.8
Horowhenua District	31,200	25,200	2,520.0	39.7	3,891.9	25.7

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dentist ratio _{a, b}	Dentists per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+
Kapiti Coast District	50,700	41,400	2,587.5	38.6	3,352.2	29.8
Porirua City	53,700	40,600	2,900.0	34.5	3,369.3	29.7
Upper Hutt City	41,300	32,900	2,741.7	36.5	4,125.4	24.2
Lower Hutt City	101,200	79,600	1,447.3	69.1	2,117.0	47.2
Wellington City	197,500	163,300	1,134.0	88.2	1,546.4	64.7
Masterton District	24,100	19,200	1,920.0	52.1	2,206.9	45.3
Carterton District	8,490	6,790	2,263.3	44.2	2,562.3	39.0
South Wairarapa District	9,800	7,880	—	—	—	—
Tasman District	48,800	39,100	2,300.0	43.5	3,750.6	26.7
Nelson City	48,700	39,500	1,067.6	93.7	1,454.9	68.7
Marlborough District	44,700	36,600	2,287.5	43.7	2,810.0	35.6
Kaikoura District	3,640	3,000	3,000.0	33.3	4,000.0	25.0
Buller District	10,650	8,650	8,650.0	11.6	4,325.0	23.1
Grey District	13,700	11,000	2,200.0	45.5	2,802.5	35.7
Westland District	8,570	6,980	6,980.0	14.3	8,725.0	11.5
Hurunui District	12,000	9,650	—	—	—	—
Waimakariri District	52,300	41,700	2,978.6	33.6	4,366.5	22.9
Christchurch City	356,700	292,800	1,414.5	70.7	1,920.0	52.1
Selwyn District	46,700	36,200	4,022.2	24.9	6,493.3	15.4
Ashburton District	32,300	25,600	2,844.4	35.2	2,813.2	35.5
Timaru District	45,400	37,100	2,318.8	43.1	2,815.9	35.5
Mackenzie District	4,300	3,440	—	—	—	—
Waimate District	7,810	6,390	—	—	—	—
Chatham Islands Territory	600	480	—	—	—	—
Waitaki District	21,400	17,500	972.2	102.9	1,313.3	76.1
Central Otago District	18,500	15,100	1,372.7	72.8	1,581.2	63.2
Queenstown-Lakes District	29,700	24,300	1,620.0	61.7	2,160.0	46.3
Dunedin City	123,500	103,400	650.3	153.8	999.5	100.0
Clutha District	17,250	13,650	3,412.5	29.3	3,615.9	27.7
Southland District	30,300	23,600	11,800.0	8.5	13,485.7	7.4
Gore District	12,400	9,950	1,990.0	50.3	2,567.7	38.9
Invercargill City	53,200	42,700	1,377.4	72.6	1,741.1	57.4
Missing/outside TA	50	40				
Total	4,442,100	3,533,300	1,631.3	61.3	2,196.4	45.5

^a Population estimate as at 30 June 2013

^b Where hours are reported

Note: Dentists include dental specialists.

Due to rounding, individual figures may not always sum to the stated totals

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 1-33. Geographic distribution of practising dentists and dental specialists by TA, for 2014

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Far North	21 (1.1)	—	21 (0.9)	15.4 [16]
Whangarei	31 (1.6)	5 (1.6)	36 (1.6)	26.5 [33]
Kaipara	3 (0.2)	—	3 (0.1)	1.9 [2]
Auckland unitary authority	631 (32.8)	93 (30.0)	724 (32.4)	544.2 [633]
<i>Rodney</i>	31 (1.6)	2 (0.6)	33 (1.5)	25.7 [30]
<i>North Shore</i>	121 (6.3)	24 (7.7)	145 (6.5)	108.5 [129]
<i>Waitakere</i>	58 (3.0)	7 (2.3)	65 (2.9)	49.5 [59]
<i>Auckland</i>	287 (14.9)	45 (14.5)	332 (14.9)	243.6 [284]
<i>Manukau</i>	99 (5.1)	12 (3.9)	111 (5.0)	89.9 [99]
<i>Papakura</i>	22 (1.1)	2 (0.6)	24 (1.1)	14.9 [19]
<i>Franklin</i>	13 (0.7)	1 (0.3)	14 (0.6)	12.2 [13]
Thames-Coromandel District	13 (0.7)	—	13 (0.6)	8.0 [10]
Hauraki District	2 (0.1)	—	2 (0.1)	1.8 [2]
Waikato District	3 (0.2)	—	3 (0.1)	3.3 [3]
Matamata-Piako District	14 (0.7)	—	14 (0.6)	11.3 [13]
Hamilton City	75 (3.9)	17 (5.5)	92 (4.1)	72.7 [82]
Waipa District	19 (1.0)	—	19 (0.9)	13.0 [17]
Otorohanga District	8 (0.4)	—	8 (0.4)	7.4 [7]
South Waikato District	5 (0.3)	—	5 (0.2)	5.0 [5]
Waitomo District	1 (0.1)	—	1 (0.0)	1.0 [1]
Taupo District	14 (0.7)	—	14 (0.6)	9.1 [11]
Western Bay of Plenty District	10 (0.5)	—	10 (0.4)	7.8 [10]
Tauranga City	60 (3.1)	6 (1.9)	66 (3.0)	51.6 [62]
Rotorua District	25 (1.3)	2 (0.6)	27 (1.2)	21.0 [23]
Whakatane District	11 (0.6)	—	11 (0.5)	6.9 [9]
Kawerau District	1 (0.1)	—	1 (0.0)	1.0 [1]
Opotiki District	1 (0.1)	—	1 (0.0)	1.0 [1]
Gisborne District	12 (0.6)	2 (0.6)	14 (0.6)	11.8 [14]
Wairoa District	2 (0.1)	—	2 (0.1)	2.1 [2]
Hastings District	27 (1.4)	3 (1.0)	30 (1.3)	22.3 [28]
Napier City	24 (1.2)	3 (1.0)	27 (1.2)	20.9 [24]
Central Hawke's Bay District	3 (0.2)	—	3 (0.1)	2.4 [3]
New Plymouth District	24 (1.2)	6 (1.9)	30 (1.3)	23.7 [27]
Stratford District	1 (0.1)	—	1 (0.0)	1.0 [1]
South Taranaki District	7 (0.4)	—	7 (0.3)	5.3 [7]
Ruapehu District	3 (0.2)	—	3 (0.1)	3.4 [3]
Wanganui District	14 (0.7)	1 (0.3)	15 (0.7)	11.5 [14]
Rangitikei District	3 (0.2)	—	3 (0.1)	2.0 [3]
Manawatu District	4 (0.2)	—	4 (0.2)	3.8 [4]

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Palmerston North City	44 (2.3)	6 (1.9)	50 (2.2)	39.7 [45]
Tararua District	3 (0.2)	—	3 (0.1)	4.2 [3]
Horowhenua District	10 (0.5)	—	10 (0.4)	9.1 [9]
Kapiti Coast District	15 (0.8)	1 (0.3)	16 (0.7)	11.9 [14]
Porirua City	10 (0.5)	—	10 (0.4)	8.2 [10]
Upper Hutt City	16 (0.8)	—	16 (0.7)	12.2 [15]
Lower Hutt City	53 (2.8)	7 (2.3)	60 (2.7)	39.2 [48]
Wellington City	126 (6.5)	17 (5.5)	143 (6.4)	109.0 [128]
Masterton District	9 (0.5)	—	9 (0.4)	6.5 [7]
Carterton District	5 (0.3)	—	5 (0.2)	3.8 [5]
South Wairarapa District	—	—	—	—
Tasman District	17 (0.9)	1 (0.3)	18 (0.8)	10.9 [14]
Nelson City	28 (1.5)	7 (2.3)	35 (1.6)	26.3 [33]
Marlborough District	15 (0.8)	—	15 (0.7)	13.0 [14]
Kaikoura District	1 (0.1)	—	1 (0.0)	0.7 [1]
Buller District	1 (0.1)	—	1 (0.0)	1.0 [1]
Grey District	6 (0.3)	—	6 (0.3)	4.0 [5]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	15 (0.8)	1 (0.3)	16 (0.7)	13.2 [16]
Christchurch City	178 (9.2)	35 (11.3)	213 (9.5)	153.0 [186]
Selwyn District	8 (0.4)	—	8 (0.4)	6.2 [7]
Ashburton District	6 (0.3)	—	6 (0.3)	6.2 [6]
Timaru District	18 (0.9)	2 (0.6)	20 (0.9)	16.1 [19]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	17 (0.9)	1 (0.3)	18 (0.8)	12.7 [17]
Central Otago District	14 (0.7)	—	14 (0.6)	8.5 [11]
Queenstown-Lakes District	15 (0.8%)	1 (0.3)	16 (0.7)	9.5 [15]
Dunedin City	105 (5.5%)	56 (18.1)	161 (7.2)	94.4 [125]
Clutha District	4 (0.2)	—	4 (0.2)	3.8 [4]
Southland District	2 (0.1)	—	2 (0.1)	1.5 [2]
Gore District	4 (0.2)	—	4 (0.2)	3.1 [4]
Invercargill City	26 (1.4)	5 (1.6)	31 (1.4)	25.4 [27]
TLA code not available	82 (4.3)	32 (10.3)	114 (5.1)	9.7 [12]
Total	1,925	310	2,235	1,582.4 [1874]

Note: FTE = Full time equivalent. Dentists include dental specialists.
Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 1-34. Population to practising dentists and dental specialists and FTE ratios by TA, for 2014

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dentist ratio _{a, b}	Dentists per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+
Far North	61,000	47,200	2,247.6	44.5	3,064.9	32.6
Whangarei	84,400	65,900	1,830.6	54.6	2,489.1	40.2
Kaipara	20,700	16,600	5,533.3	18.1	8,853.3	11.3
Auckland	1,526,900	1,213,200	1,675.7	59.7	2,229.5	44.9
Thames-Coromandel District	27,500	23,000	1,769.2	56.5	2,893.1	34.6
Hauraki District	18,800	15,100	7,550.0	13.2	8,628.6	11.6
Waikato District	68,000	51,700	17,233.3	5.8	15,907.7	6.3
Matamata-Piako District	33,300	26,100	1,864.3	53.6	2,309.7	43.3
Hamilton City	153,000	120,500	1,309.8	76.3	1,658.1	60.3
Waipa District	49,300	39,000	2,052.6	48.7	3,011.6	33.2
Otorohanga District	9,650	7,320	915.0	109.3	989.2	101.1
South Waikato District	23,300	17,900	3,580.0	27.9	3,616.2	27.7
Waitomo District	9,400	7,140	7,140.0	14.0	7,140.0	14.0
Taupo District	35,100	27,600	1,971.4	50.7	3,024.7	33.1
Western Bay of Plenty District	45,900	36,800	3,680.0	27.2	4,717.9	21.2
Tauranga City	121,800	96,900	1,468.2	68.1	1,877.9	53.3
Rotorua District	68,500	52,800	1,955.6	51.1	2,517.3	39.7
Whakatane District	34,300	26,400	2,400.0	41.7	3,826.1	26.1
Kawerau District	6,600	4,940	4,940.0	20.2	4,940.0	20.2
Opotiki District	8,830	6,770	6,770.0	14.8	6,770.0	14.8
Gisborne District	47,100	35,500	2,535.7	39.4	3,014.9	33.2
Wairoa District	8,200	6,160	3,080.0	32.5	2,898.8	34.5
Hastings District	77,400	59,700	1,990.0	50.3	2,680.1	37.3
Napier City	60,000	47,900	1,774.1	56.4	2,289.1	43.7
Central Hawke's Bay District	13,250	10,500	3,500.0	28.6	4,329.9	23.1
New Plymouth District	78,200	62,200	2,073.3	48.2	2,627.2	38.1
Stratford District	9,260	7,240	7,240.0	13.8	7,621.1	13.1
South Taranaki District	27,500	21,200	3,028.6	33.0	4,019.0	24.9
Ruapehu District	12,450	9,550	3,183.3	31.4	2,808.8	35.6
Wanganui District	43,400	34,600	2,306.7	43.4	3,021.8	33.1
Rangitikei District	14,600	11,450	3,816.7	26.2	5,654.3	17.7
Manawatu District	28,800	22,800	5,700.0	17.5	6,080.0	16.4
Palmerston North City	84,400	67,600	1,352.0	74.0	1,703.8	58.7
Tararua District	17,350	13,500	4,500.0	22.2	3,233.5	30.9
Horowhenua District	31,300	25,400	2,540.0	39.4	2,806.6	35.6

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dentist ratio a, b	Dentists per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+
Kapiti Coast District	51,100	41,800	2,612.5	38.3	3,505.2	28.5
Porirua City	54,100	41,100	4,110.0	24.3	4,997.0	20.0
Upper Hutt City	41,800	33,200	2,075.0	48.2	2,715.7	36.8
Lower Hutt City	101,700	80,300	1,338.3	74.7	2,051.1	48.8
Wellington City	200,000	166,100	1,161.5	86.1	1,523.9	65.6
Masterton District	24,200	19,400	2,155.6	46.4	2,973.2	33.6
Carterton District	8,680	6,970	1,394.0	71.7	1,846.4	54.2
South Wairarapa District	9,920	7,990	—	—	—	—
Tasman District	49,100	39,500	2,194.4	45.6	3,615.6	27.7
Nelson City	49,300	40,000	1,142.9	87.5	1,520.9	65.8
Marlborough District	44,800	36,800	2,453.3	40.8	2,825.3	35.4
Kaikoura District	3,640	3,030	3,030.0	33.0	4,661.5	21.5
Buller District	10,550	8,650	8,650.0	11.6	9,105.3	11.0
Grey District	13,600	10,950	1,825.0	54.8	2,772.2	36.1
Westland District	8,640	7,080	—	—	—	—
Hurunui District	12,200	9,800	—	—	—	—
Waimakariri District	54,400	43,400	2,712.5	36.9	3,281.7	30.5
Christchurch City	361,900	298,200	1,400.0	71.4	1,949.0	51.3
Selwyn District	49,500	38,500	4,812.5	20.8	6,184.7	16.2
Ashburton District	32,800	26,000	4,333.3	23.1	4,176.7	23.9
Timaru District	45,900	37,600	1,880.0	53.2	2,339.0	42.8
Mackenzie District	4,320	3,490	—	—	—	—
Waimate District	7,880	6,420	—	—	—	—
Chatham Islands Territory	600	490	—	—	—	—
Waitaki District	21,700	17,700	983.3	101.7	1,399.2	71.5
Central Otago District	18,850	15,450	1,103.6	90.6	1,828.4	54.7
Queenstown-Lakes District	30,900	25,200	1,575.0	63.5	2,645.7	37.8
Dunedin City	124,600	104,600	649.7	153.0	1,108.1	90.2
Clutha District	17,350	13,800	3,450.0	29.0	3,607.8	27.7
Southland District	30,400	23,700	11,850.0	8.4	15,800.0	6.3
Gore District	12,400	9,950	2,487.5	40.2	3,209.7	31.2
Invercargill City	53,700	42,900	1,383.9	72.3	1,692.3	59.1
Missing/outside TLA	80	100				
Total	4,509,700	3,533,300	1,610.1	62.1	2,274.2	44.0

^a Population estimate as at 30 June 2014

^b Where hours are reported

Note: Dentists include dental specialists.

Due to rounding, individual figures may not always sum to the stated totals

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 1-35. Geographic distribution of practising dentists and dental specialist by TA, for 2015

TA area	Number of dentists	Number of dental specialists	Total	FTE dentists [N reporting hours]
Far North	22 (1.1)	—	22 (1.0)	15.8 [18]
Whangarei	33 (1.7)	5 (1.6)	38 (1.7)	30.5 [37]
Kaipara	2 (0.1)	—	2 (0.1)	1.9 [2]
Auckland unitary authority	649 (32.9)	93 (29.1)	742 (32.4)	568.6 [669]
<i>Rodney</i>	31 (1.6)	2 (0.6)	33 (1.4)	25.6 [32]
<i>North Shore</i>	123 (6.2)	24 (7.5)	147 (6.4)	117.0 [134]
<i>Waitakere</i>	64 (3.2)	7 (2.2)	71 (3.1)	53.4 [65]
<i>Auckland</i>	293 (14.9)	47 (14.7)	340 (14.8)	250.2 [299]
<i>Manukau</i>	102 (5.2)	11 (3.4)	113 (4.9)	93.2 [105]
<i>Papakura</i>	21 (1.1)	1 (0.3)	22 (1.0)	18.0 [20]
<i>Franklin</i>	15 (0.8)	1 (0.3)	16 (0.7)	11.5 [14]
Thames-Coromandel District	12 (0.6)	—	12 (0.5)	8.4 [10]
Hauraki District	2 (0.1)	—	2 (0.1)	1.8 [2]
Waikato District	4 (0.2)	—	4 (0.2)	3.0 [3]
Matamata-Piako District	12 (0.6)	—	12 (0.5)	10.0 [12]
Hamilton City	89 (4.5)	17 (5.3)	106 (4.6)	81.1 [92]
Waipa District	20 (1.0)	—	20 (0.9)	14.9 [19]
Otorohanga District	8 (0.4)	—	8 (0.3)	6.2 [6]
South Waikato District	4 (0.2)	—	4 (0.2)	3.7 [4]
Waitomo District	1 (0.1)	—	1 (0.0)	1.0 [1]
Taupo District	12 (0.6)	—	12 (0.5)	12.0 [12]
Western Bay of Plenty District	10 (0.5)	—	10 (0.4)	7.3 [9]
Tauranga City	66 (3.3)	8 (2.5)	74 (3.2)	54.6 [66]
Rotorua District	22 (1.1)	1 (0.3)	23 (1.0)	19.5 [21]
Whakatane District	12 (0.6)	—	12 (0.5)	8.9 [11]
Kawerau District	—	—	—	—
Opotiki District	1 (0.1)	—	1 (0.0)	1.0 [1]
Gisborne District	11 (0.6)	1 (0.3)	12 (0.5)	10.0 [12]
Wairoa District	2 (0.1)	—	2 (0.1)	2.0 [2]
Hastings District	26 (1.3)	5 (1.6)	31 (1.4)	24.9 [28]
Napier City	26 (1.3)	3 (0.9)	29 (1.3)	20.9 [25]
Central Hawke's Bay District	3 (0.2)	—	3 (0.1)	2.5 [3]
New Plymouth District	26 (1.3)	5 (1.6)	31 (1.4)	23.9 [26]
Stratford District	1 (0.1)	—	1 (0.0)	1.1 [1]
South Taranaki District	7 (0.4)	—	7 (0.3)	5.2 [7]
Ruapehu District	3 (0.2)	—	3 (0.1)	2.5 [3]
Wanganui District	17 (0.9)	2 (0.6)	19 (0.8)	13.6 [18]
Rangitikei District	3 (0.2)	—	3 (0.1)	2.4 [3]
Manawatu District	4 (0.2)	—	4 (0.2)	3.7 [4]

TA area	Number of dentists	Number of dental specialists	Total	FTE dentists [N reporting hours]
Palmerston North City	43 (2.2)	7 (2.2)	50 (2.2)	42.3 [48]
Tararua District	3 (0.2)	—	3 (0.1)	3.4 [3]
Horowhenua District	10 (0.5)	—	10 (0.4)	9.2 [10]
Kapiti Coast District	17 (0.9)	—	17 (0.7)	12.0 [15]
Porirua City	10 (0.5)	—	10 (0.4)	8.2 [10]
Upper Hutt City	16 (0.8)	—	16 (0.7)	11.8 [14]
Lower Hutt City	53 (2.7)	7 (2.2)	60 (2.6)	44.4 [52]
Wellington City	129 (6.5)	16 (5.0)	145 (6.3)	106.8 [130]
Masterton District	10 (0.5)	—	10 (0.4)	7.3 [8]
Carterton District	5 (0.3)	—	5 (0.2)	3.5 [5]
South Wairarapa District	—	—	—	—
Tasman District	17 (0.9)	1 (0.3)	18 (0.8)	11.5 [16]
Nelson City	26 (1.3)	7 (2.2)	33 (1.4)	25.3 [32]
Marlborough District	18 (0.9)	—	18 (0.8)	12.5 [15]
Kaikoura District	1 (0.1)	—	1 (0.0)	0.8 [1]
Buller District	2 (0.1)	—	2 (0.1)	1.8 [2]
Grey District	6 (0.3)	—	6 (0.3)	5.0 [6]
Westland District	—	—	—	—
Hurunui District	1 (0.1)	—	1 (0.0)	—
Waimakariri District	15 (0.8)	1 (0.3)	16 (0.7)	12.0 [15]
Christchurch City	186 (9.4)	31 (9.7)	217 (9.5)	159.3 [196]
Selwyn District	9 (0.5)	—	9 (0.4)	6.5 [8]
Ashburton District	6 (0.3)	—	6 (0.3)	4.9 [0]
Timaru District	17 (0.9)	2 (0.6)	19 (0.8)	16.2 [5]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	16 (0.8)	2 (0.6)	18 (0.8)	12.1 [0]
Central Otago District	9 (0.5)	—	9 (0.4)	7.0 [16]
Queenstown-Lakes District	16 (0.8)	2 (0.6)	18 (0.8)	11.7 [8]
Dunedin City	106 (5.4)	60 (18.8)	166 (7.2)	101.3 [17]
Clutha District	5 (0.3)	—	5 (0.2)	4.5 [130]
Southland District	2 (0.1)	—	2 (0.1)	1.6 [5]
Gore District	5 (0.3)	—	5 (0.2)	3.1 [2]
Invercargill City	25 (1.3)	6 (1.9)	31 (1.4)	23.1 [4]
TA code not available	78 (4.0)	38 (11.9)	116 (5.1)	8.9 [10]
Total	1,972	320	2,292	1,640.2 [1929]

Note: FTE = Full time equivalent. Dentists include dental specialists.
Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 1-36. Population to practising dentists and dental specialists and FTE ratios by TA, for 2015

TA area	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-dentist ratio ^{a, b}	Dentists per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE-dentist ratio	FTE per 100,000 population aged 15+
Far North	61,300	47,800	2,172.7	46.0	3,030.1	33.0
Whangarei	85,900	67,300	1,771.1	56.5	2,210.2	45.2
Kaipara	21,100	16,900	8,450.0	11.8	9,013.3	11.1
Auckland	1,569,900	1,253,900	1,689.9	59.2	2,205.3	45.3
Thames-Coromandel District	27,800	23,400	1,950.0	51.3	2,785.7	35.9
Hauraki District	19,100	15,400	7,700.0	13.0	8,676.1	11.5
Waikato District	69,500	53,200	13,300.0	7.5	17,733.3	5.6
Matamata-Piako District	33,600	26,600	2,216.7	45.1	2,660.0	37.6
Hamilton City	156,800	123,700	1,167.0	85.7	1,525.3	65.6
Waipa District	50,400	39,900	1,995.0	50.1	2,686.9	37.2
Otorohanga District	9,720	7,370	921.3	108.5	1,198.4	83.4
South Waikato District	23,500	18,100	4,525.0	22.1	4,859.1	20.6
Waitomo District	9,530	7,200	7,200.0	13.9	7,200.0	13.9
Taupo District	35,600	28,100	2,341.7	42.7	2,346.6	42.6
Western Bay of Plenty District	46,800	37,700	3,770.0	26.5	5,146.8	19.4
Tauranga City	124,600	99,400	1,343.2	74.4	1,819.7	55.0
Rotorua District	69,200	53,600	2,330.4	42.9	2,755.8	36.3
Whakatane District	34,600	26,800	2,233.3	44.8	3,011.2	33.2
Kawerau District	6,660	5,010	—	—	—	—
Opotiki District	8,810	6,790	6,790.0	14.7	6,790.0	14.7
Gisborne District	47,400	35,800	2,983.3	33.5	3,571.1	28.0
Wairoa District	8,180	6,120	3,060.0	32.7	3,060.0	32.7
Hastings District	77,900	60,300	1,945.2	51.4	2,421.7	41.3
Napier City	60,400	48,300	1,665.5	60.0	2,311.0	43.3
Central Hawke's Bay District	13,450	10,700	3,566.7	28.0	4,280.0	23.4
New Plymouth District	79,000	62,900	2,029.0	49.3	2,631.8	38.0
Stratford District	9,220	7,230	7,230.0	13.8	6,426.7	15.6
South Taranaki District	27,700	21,600	3,085.7	32.4	4,153.8	24.1
Ruapehu District	12,450	9,550	3,183.3	31.4	3,898.0	25.7
Wanganui District	43,600	35,000	1,842.1	54.3	2,583.0	38.7
Rangitikei District	14,700	11,550	3,850.0	26.0	4,863.2	20.6
Manawatu District	29,300	23,100	5,775.0	17.3	6,285.7	15.9
Palmerston North City	85,500	68,900	1,378.0	72.6	1,628.8	61.4
Tararua District	17,400	13,600	4,533.3	22.1	4,029.6	24.8
Horowhenua District	31,400	25,600	2,560.0	39.1	2,790.2	35.8

TA area	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-dentist ratio ^{a, b}	Dentists per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE-dentist ratio	FTE per 100,000 population aged 15+
Kapiti Coast District	51,400	42,100	2,476.5	40.4	3,515.7	28.4
Porirua City	54,500	41,500	4,150.0	24.1	5,061.0	19.8
Upper Hutt City	42,000	33,500	2,093.8	47.8	2,833.0	35.3
Lower Hutt City	102,000	80,800	1,346.7	74.3	1,819.8	55.0
Wellington City	203,800	169,800	1,171.0	85.4	1,590.3	62.9
Masterton District	24,400	19,600	1,960.0	51.0	2,703.4	37.0
Carterton District	8,790	7,100	1,420.0	70.4	2,043.2	48.9
South Wairarapa District	10,000	8,100	—	—	—	—
Tasman District	49,500	40,100	2,227.8	44.9	3,479.4	28.7
Nelson City	49,900	40,900	1,239.4	80.7	1,618.2	61.8
Marlborough District	45,300	37,200	2,066.7	48.4	2,982.0	33.5
Kaikoura District	3,660	3,020	3,020.0	33.1	4,026.7	24.8
Buller District	10,350	8,500	4,250.0	23.5	4,722.2	21.2
Grey District	13,650	10,900	1,816.7	55.0	2,191.0	45.6
Westland District	8,720	7,150	—	—	—	—
Hurunui District	12,500	10,050	10,050.0	10.0	—	—
Waimakariri District	56,400	45,200	2,825.0	35.4	3,782.4	26.4
Christchurch City	367,800	304,200	1,401.8	71.3	1,909.3	52.4
Selwyn District	52,700	41,100	4,566.7	21.9	6,298.9	15.9
Ashburton District	33,200	26,400	4,400.0	22.7	5,360.4	18.7
Timaru District	46,200	38,000	2,000.0	50.0	2,352.9	42.5
Mackenzie District	4,440	3,580	—	—	—	—
Waimate District	7,870	6,390	—	—	—	—
Chatham Islands Territory	610	480	—	—	—	—
Waitaki District	21,900	17,800	988.9	101.1	1,474.1	67.8
Central Otago District	19,200	15,750	1,750.0	57.1	2,266.2	44.1
Queenstown-Lakes District	32,400	26,500	1,472.2	67.9	2,265.0	44.2
Dunedin City	125,800	105,900	638.0	156.8	1,045.2	95.7
Clutha District	17,400	13,900	2,780.0	36.0	3,088.9	32.4
Southland District	30,600	23,900	11,950.0	8.4	14,707.7	6.8
Gore District	12,450	10,000	2,000.0	50.0	3,252.0	30.8
Invercargill City	54,200	43,600	1,406.5	71.1	1,891.5	52.9
Missing/outside TA	50	50				
Total	4,595,700	3,681,490	1,606.2	62.3	2,530.6	39.5

^a Population estimate as at 30 June 2015

^b Where hours are reported

Note: Dentists include dental specialists.

Due to rounding, individual figures may not always sum to the stated totals

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 1-37. Population to practising dentists and dental specialists and FTE ratios by district health board (DHB), for 2012

	No with practising certificates	Total population ^a	Population aged 15+ years	FTE dentists and dental specialists	Population aged 15+ years-to- dentist ratio	Dentists per 100,000 population aged 15+ years	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+ years
Northland	55	163,500	127,300	44.1	2,315	43.2	2,885.0	34.7
Waitemata	241	545,400	432,800	196.3	1,796	55.7	2,204.8	45.4
Auckland	301	456,000	372,000	233.3	1,236	80.9	1,594.9	62.7
Counties-Manukau	133	491,500	371,800	105.1	2,795	35.8	3,537.6	28.3
Waikato	154	374,800	292,900	118.5	1,902	52.6	2,471.7	40.5
Lakes	39	103,300	79,600	26.5	2,041	49.0	3,000.9	33.3
Bay of Plenty	88	213,900	168,100	71.5	1,910	52.3	2,351.0	42.5
Tairāwhiti	11	47,000	35,200	9.7	3,200	31.3	3,647.7	27.4
Hawke's Bay	63	112,900	88,900	49.5	1,411	70.9	1,797.8	55.6
Taranaki	37	158,000	123,200	32.7	3,330	30.0	3,773.4	26.5
Whanganui	23	62,400	49,300	17.7	2,143	46.7	2,793.2	35.8
MidCentral	63	168,500	134,100	48.6	2,129	47.0	2,757.8	36.3
Hutt	72	142,500	112,100	50.3	1,557	64.2	2,228.6	44.9
Capital and Coast	167	292,200	237,200	128.2	1,420	70.4	1,850.2	54.0
Wairarapa	12	42,100	33,600	10.3	2,800	35.7	3,278.0	30.5
Nelson-Marlborough	75	141,300	114,300	52.8	1,524	65.6	2,164.8	46.2
West Coast	9	33,100	26,800	5.8	2,978	33.6	4,600.9	21.7
Canterbury	241	497,200	403,100	180.1	1,673	59.8	2,238.2	44.7
South Canterbury	14	57,100	46,600	12.1	3,329	30.0	3,859.2	25.9
Southern ^b	245 [179]	304,900	248,800	165.5 [115.7]	1,016 [1,390]	98.5 [71.9]	1,503.6 [2,149.9]	66.5 [46.5]
Unknown	84			12.8				
Total	2,127	4,408,100	3,497,700	1,571.2	1,644	60.8	2,226.2	44.9

^a Population estimate as at 30 June 2012. Due to rounding, individual figures may not always sum to the stated totals. Dentists include dental specialists.

^b Data in square brackets for Southern DHB exclude dentists and dental specialists who reported the University of Otago as their primary employer

(Data sources: Workforce survey and Statistics New Zealand)

Table 1-38. Population to practising dentists and dental specialists and FTE ratios by DHB, for 2013

	No with practising certificates	Total population a	Population aged 15+ years	FTE dentists and dental specialists	Population aged 15+ years-to- dentist ratio	Dentists per 100,000 population aged 15+ years	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+ years
Northland	58	164,700	128,300	47.6	2,212	45.2	2,696.8	37.1
Waitemata	248	552,800	439,700	198.4	1,773	56.4	2,216.0	45.1
Auckland	299	460,500	377,400	226.2	1,262	79.2	1,668.6	59.9
Counties-Manukau	138	496,300	377,100	117.9	2,733	36.6	3,199.8	31.3
Waikato	160	377,900	295,900	128.3	1,849	54.1	2,305.9	43.4
Lakes	38	103,200	79,800	30.7	2,100	47.6	2,601.5	38.4
Bay of Plenty	89	215,000	169,300	72.0	1,902	52.6	2,350.6	42.5
Tairāwhiti	13	47,000	35,300	11.1	2,715	36.8	3,187.4	31.4
Hawke's Bay	68	113,800	89,600	50.0	1,318	75.9	1,792.0	55.8
Taranaki	36	158,500	123,800	29.6	3,439	29.1	4,189.5	23.9
Whanganui	20	62,300	49,400	15.4	2,470	40.5	3,213.0	31.1
MidCentral	64	168,900	134,700	51.6	2,105	47.5	2,609.2	38.3
Hutt	68	142,500	112,500	46.6	1,654	60.4	2,415.5	41.4
Capital and Coast	172	293,500	238,500	128.1	1,387	72.1	1,862.6	53.7
Wairarapa	13	42,400	34,000	11.4	2,615	38.2	2,995.6	33.4
Nelson-Marlborough	70	142,100	115,200	50.6	1,646	60.8	2,276.7	43.9
West Coast	7	33,000	26,600	6.7	3,800	26.3	3,955.4	25.3
Canterbury	240	503,700	408,800	177.5	1,703	58.7	2,303.4	43.4
South Canterbury	16	57,600	47,000	13.2	2,938	34.0	3,567.4	28.0
Southern ^b	245 [175]	306,400	250,200	171.5 [123.0]	1,021 [1,430]	97.9 [69.9]	1,458.9 [2,033.7]	68.5 [49.2]
Unknown	104			3.4				
Total	2,166	4,442,100	3,533,100	1,587.5	1,631	61.3	2,225.6	44.9

^a Population estimate as at 30 June 2013. Due to rounding, individual figures may not always sum to the stated totals. Dentists include dental specialists.

^b Data in square brackets for Southern DHB exclude dentists and dental specialists who reported the University of Otago as their primary employer

(Data sources: Workforce survey and Statistics New Zealand)

Table 1-39. Population to practising dentists and dental specialists and FTE ratios by DHB, for 2014

	No with practising certificates	Total population a	Population aged 15+ years	FTE dentists and dental specialists	Population aged 15+ years-to- dentist ratio	Dentists per 100,000 population aged 15+ years	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+ years
Northland	60	166,000	129,800	43.8	2,163	46.2	2,966.9	33.7
Waitemata	257	562,600	448,800	195.0	1,746	57.3	2,302.1	43.4
Auckland	318	471,900	388,600	232.3	1,222	81.8	1,673.0	59.8
Counties-Manukau	149	509,200	388,500	116.9	2,607	38.4	3,322.6	30.1
Waikato	157	383,500	301,300	123.2	1,919	52.1	2,445.1	40.9
Lakes	41	103,600	80,400	30.1	1,961	51.0	2,671.1	37.4
Bay of Plenty	89	217,400	171,900	68.3	1,931	51.8	2,516.8	39.7
Tairāwhiti	14	47,100	35,500	11.8	2,536	39.4	3,014.9	33.2
Hawke's Bay	62	115,000	90,800	47.8	1,465	68.3	1,901.6	52.6
Taranaki	38	159,400	124,700	29.9	3,282	30.5	4,170.6	24.0
Whanganui	21	62,200	49,300	16.9	2,348	42.6	2,921.5	34.2
MidCentral	67	170,300	136,100	56.7	2,031	49.2	2,402.5	41.6
Hutt	76	143,400	113,500	51.4	1,493	67.0	2,209.2	45.3
Capital and Coast	169	296,700	242,100	129.2	1,433	69.8	1,874.6	53.3
Wairarapa	14	42,800	34,300	10.3	2,450	40.8	3,330.1	30.0
Nelson-Marlborough	68	143,100	116,300	50.3	1,710	58.5	2,314.4	43.2
West Coast	7	32,800	26,600	4.9	3,800	26.3	5,428.6	18.4
Canterbury	244	514,500	418,900	179.3	1,717	58.2	2,336.0	42.8
South Canterbury	20	58,100	47,500	16.1	2,375	42.1	2,954.9	33.8
Southern ^b	250 [178]	309,900	253,500	158.8 [106.6]	1,014 [1,424]	98.6 [70.2]	1,596.3 [2,378.0]	62.6 [42.1]
Unknown	114			8.8				
Total	2,235	4,509,700	3,598,400	1,581.5	1,610	62.1	2,275.4	43.9

^a Population estimate as at 30 June 2014. Due to rounding, individual figures may not always sum to the stated totals. Dentists include dental specialists.

^b Data in square brackets for Southern DHB exclude dentists and dental specialists who reported the University of Otago as their primary employer

(Data sources: Workforce survey and Statistics New Zealand)

Table 1-40. Population to practising dentists and dental specialists and FTE ratios by DHB, for 2015

	No with practising certificates	Total population a	Population aged 15+ years	FTE dentists and dental specialists	Population aged 15+ years-to- dentist ratio	Dentists per 100,000 population aged 15+ years	Population aged 15+ years-to-FTE- dentist ratio	FTE per 100,000 population aged 15+ years
Northland	62	168,300	132,100	48.1	2,131	46.9	2,746.4	36.4
Waitemata	264	575,600	460,800	206.3	1,745	57.3	2,233.6	44.8
Auckland	327	490,000	406,000	239.7	1,242	80.5	1,693.6	59.0
Counties-Manukau	151	521,700	400,400	122.6	2,652	37.7	3,267.2	30.6
Waikato	169	390,600	307,700	130.0	1,821	54.9	2,366.9	42.2
Lakes	35	104,800	81,600	31.4	2,331	42.9	2,596.7	38.5
Bay of Plenty	97	221,500	175,600	71.9	1,810	55.2	2,444.0	40.9
Tairāwhiti	12	47,400	35,800	10.0	2,983	33.5	3,571.1	28.0
Hawke's Bay	65	115,900	91,700	50.3	1,411	70.9	1,823.1	54.9
Taranaki	39	160,500	126,000	30.2	3,231	31.0	4,168.7	24.0
Whanganui	25	62,600	49,700	18.4	1,988	50.3	2,704.8	37.0
MidCentral	68	172,100	138,000	58.5	2,029	49.3	2,358.0	42.4
Hutt	76	144,000	114,400	56.2	1,505	66.4	2,034.7	49.1
Capital and Coast	171	301,100	246,700	127.0	1,443	69.3	1,943.3	51.5
Wairarapa	15	43,200	34,700	10.7	2,313	43.2	3,235.4	30.9
Nelson-Marlborough	69	144,800	118,100	49.3	1,712	58.4	2,396.8	41.7
West Coast	8	32,700	26,600	6.8	3,325	30.1	3,926.2	25.5
Canterbury	250	526,100	429,800	183.5	1,719	58.2	2,342.6	42.7
South Canterbury	19	58,600	48,000	16.2	2,526	39.6	2,972.1	33.6
Southern ^b	254 [185]	314,000	257,600	164.3 [117.5]	1,014 [1,392]	98.6 [71.8]	1,567.9 [2,192.3]	63.8 [45.6]
Unknown	116			6.2				
Total	2,292	4,595,700	3,681,300	1,637.5	1,606	62.3	2,248.2	44.5

^a Population estimate as at 30 June 2015. Due to rounding, individual figures may not always sum to the stated totals. Dentists include dental specialists.

^b Data in square brackets for Southern DHB exclude dentists and dental specialists who reported the University of Otago as their primary employer
(Data sources: Workforce survey and Statistics New Zealand)

Table 1-41. Practising pattern, dentists and dental specialists who reported they are not currently practising in New Zealand

	Employment status	Females	Males	Overall number
2013	Practising overseas	136 (79.1)	181 (85.4)	317 (82.6)
	Overseas and not practising	12 (7.0)	7 (3.3)	19 (4.9)
	In NZ but not practising	24 (14.0)	24 (11.3)	48 (12.5)
	Total not currently practising	172 (44.8)	212 (55.2)	384
	Practising status not stated	92	142	234
	Employment status of 'In NZ but not practising' group			
	Another health profession	1	5	6
	Non-health profession	3	3	6
	Full-time study	2	4	6
	Parental responsibilities	8	—	8
	Other unpaid work	1	—	1
	Seeking work	—	2	2
	Retired	4	9	13
	Not reported	5	1	6
2014	Practising overseas	152 (81.3)	189 (84.0)	341 (82.8)
	Overseas and not practising	12 (6.4)	14 (6.2)	26 (6.3)
	In NZ but not practising	23 (12.3)	22 (9.8)	45 (10.9)
	Total not currently practising	187 (45.4)	225 (54.6)	412
	Practising status not stated	139	182	321
	Employment status of 'In NZ but not practising' group			
	Another health profession	—	2	2
	Non-health profession	4	3	7
	Full-time study	4	2	6
	Parental responsibilities	9	1	10
	Other unpaid work	1	—	1
	Seeking work	1	4	5
	Retired	1	9	10
	Not reported	3	1	4

Employment status		Females	Males	Overall number
2015	Practising overseas	151 (79.9)	192 (85.3)	343 (82.9)
	Overseas and not practising	10 (5.3)	10 (4.4)	20 (4.8)
	In NZ but not practising	28 (14.8)	23 (10.2)	51 (12.3)
	Total not currently practising	189 (45.7)	225 (54.3)	414
	Practising status not stated	128	176	304
	Employment status of 'In NZ but not practising' group			
	Another health profession	2	3	5
	Non-health profession	2	3	5
	Full-time study	5	3	8
	Parental responsibilities	13	—	13
	Seeking work	1	1	2
	Retired	2	12	14
	Not reported	3	1	4

(Data source: Workforce survey)

Table 1-42. Postgraduate training undertaken by dentists and dental specialists

	Expected year of completion	Current APC (%)	No current APC (%)	Overall (%)
2013	2012	36 (30.0)	8 (34.8)	44 (30.8)
	2013	21 (17.5)	5 (21.7)	26 (18.2)
	2014	35 (29.2)	3 (13.0)	38 (26.6)
	2015	5 (4.2)	3 (13.0)	8 (5.6)
	2016	2 (1.7)	—	2 (1.4)
	2017	1 (0.8)	—	1 (0.7)
	2020	1 (0.8)	—	1 (0.7)
	Not stated/unsure	19 (15.8)	4 (17.4)	23 (16.1)
	Intend to practise in NZ?			
	Yes	102 (85.0)	11 (47.8)	113 (79.0)
2014	No	18 (15.0)	12 (52.2)	30 (21.0)
	Total in postgraduate training	120 (83.9)	23 (16.1)	143
	2013	21 (20.0)	11 (44.0)	32 (24.6)
	2014	25 (23.8)	4 (16.0)	29 (22.3)
	2015	20 (19.0)	4 (16.0)	24 (18.5)
	2016	9 (8.6)	2 (8.0)	11 (8.5)
	2017	1 (1.0)	—	1 (0.8)
	2019	1 (1.0)	—	1 (0.8)
	2020	2 (1.9)	—	2 (1.5)
	Not stated/unsure	26 (24.8)	4 (16.0)	30 (23.1)
2015	Intend to practise in NZ?			
	Yes	94 (89.5)	9 (36.0)	103 (79.2)
	No	11 (10.5)	16 (64.0)	27 (20.8)
	Total in postgraduate training	105 (80.8)	25 (19.2)	130
	2014	28 (27.5)	7 (22.6)	35 (26.3)
	2015	32 (31.4)	7 (22.6)	39 (29.3)
	2016	22 (21.6)	6 (19.4)	28 (21.1)
	2017	2 (2.0)	2 (6.5)	4 (3.0)
	2018	1 (1.0)	—	1 (0.8)
	2020	—	1 (3.2)	1 (0.8)
2015	2025	—	1 (3.2)	1 (0.8)
	Not stated/unsure	17 (16.7)	7 (22.6)	24 (18.0)
	Intend to practise in NZ?			
	Yes	90 (88.2)	15 (48.4)	105 (78.9)
	No	12 (11.8)	16 (51.6)	28 (21.1)
	Total in postgraduate training	102 (76.7)	31 (23.3)	133

(Data source: Workforce survey)

Table 1-43. Branch of postgraduate training being undertaken, based on 2015 data

Branch of dentistry	Students/Trainees
General dentistry	2
Dental public health	2
Endodontics	1
Oral Medicine	2
Oral Surgery	1
Oral and maxillofacial surgery	5
Orthodontics	8
Paediatric dentistry	2
Periodontics	3
Restorative dentistry	1
Prosthodontics	3
Other/not reported/not a dental branch	103
Total	133

(Data source: Workforce survey; not University data)

Section 2: The dental therapists workforce

Dental therapists

2015
workforce
at a glance

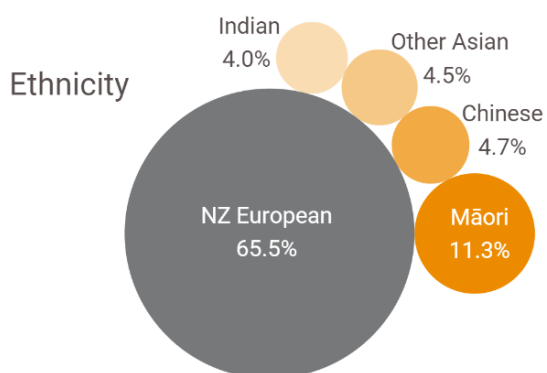
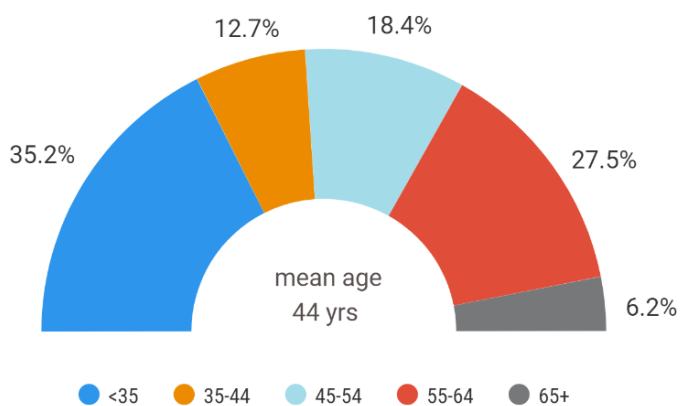
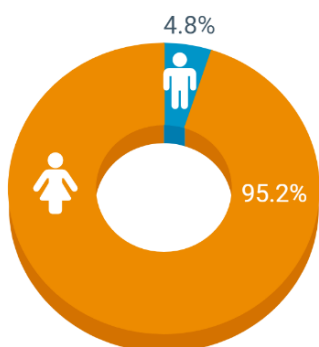


875 practising

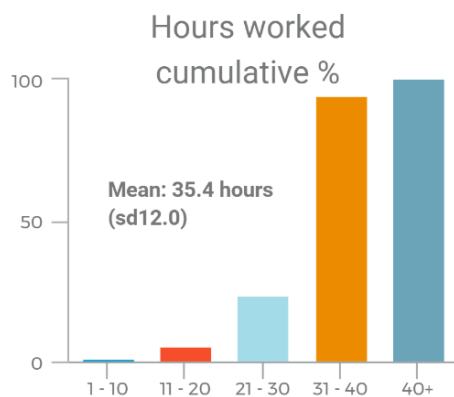
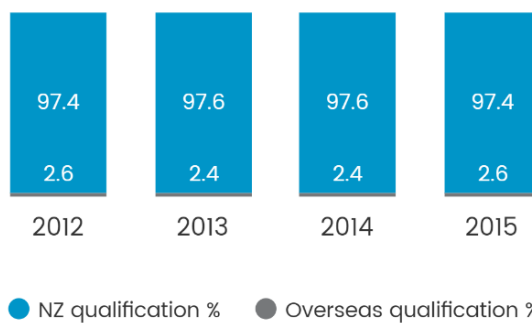
945 registered



70 not practising



Country of primary qualification



Primary employment



4.7% Self-employed

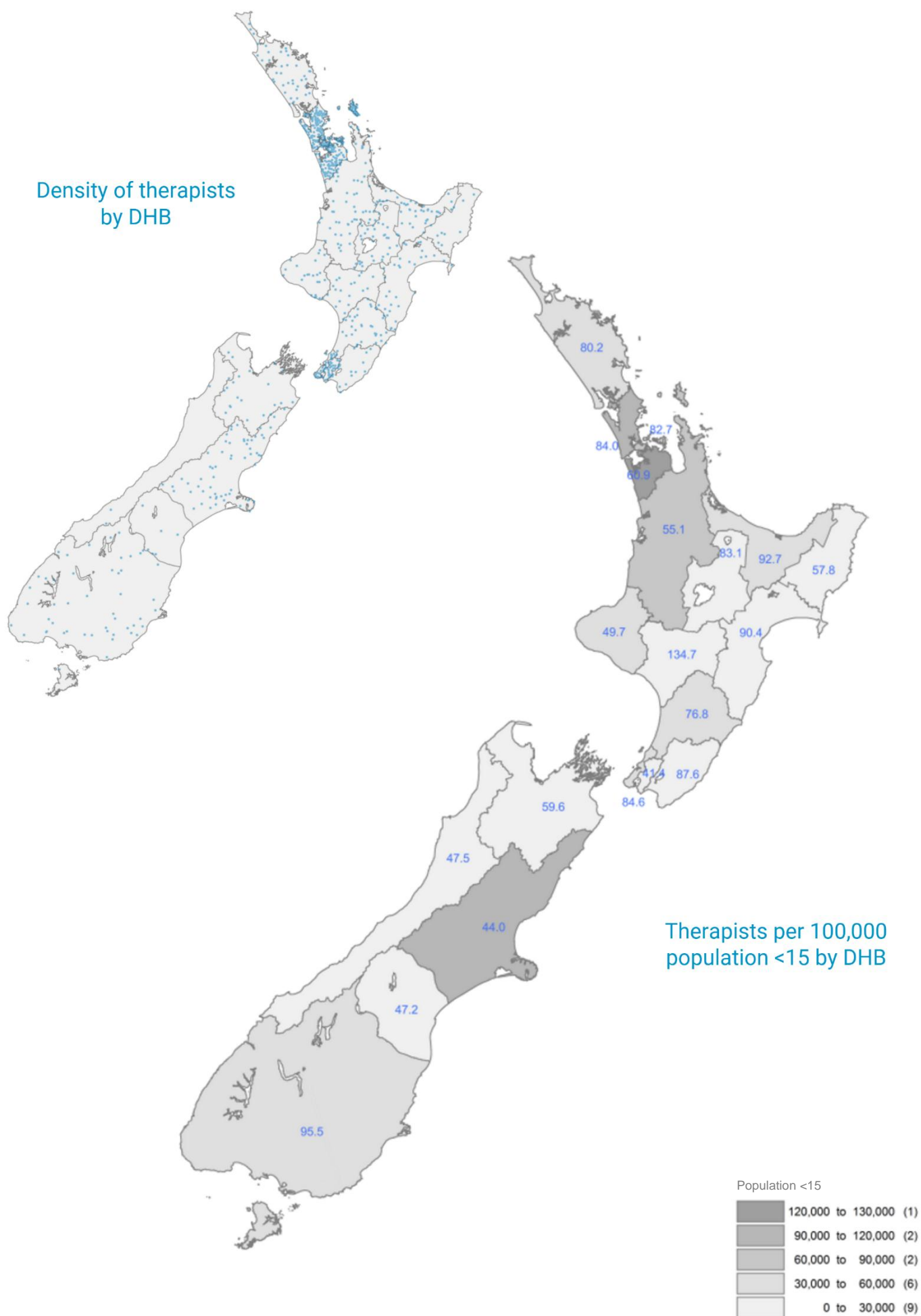
Employees 77.8%



63.2% District health boards



12.2% Private practice



Executive summary dental therapists

Number of dental therapists

The total number of dental therapists has increased between 3.2% (2013) and 3.7% (2014) year-on-year. The greatest movement was an increase of dental therapists without practising certificates by around 20.0% during 2013 and 2014, but declined in 2015 by -4.1%. Table 2-1

In 2015 there was a total of 945 dental therapists on the register: an increase of 10.7% from 2012. Of those 875 (92.6%) held annual practising certificates.

Table 2-1. Registered dental therapists

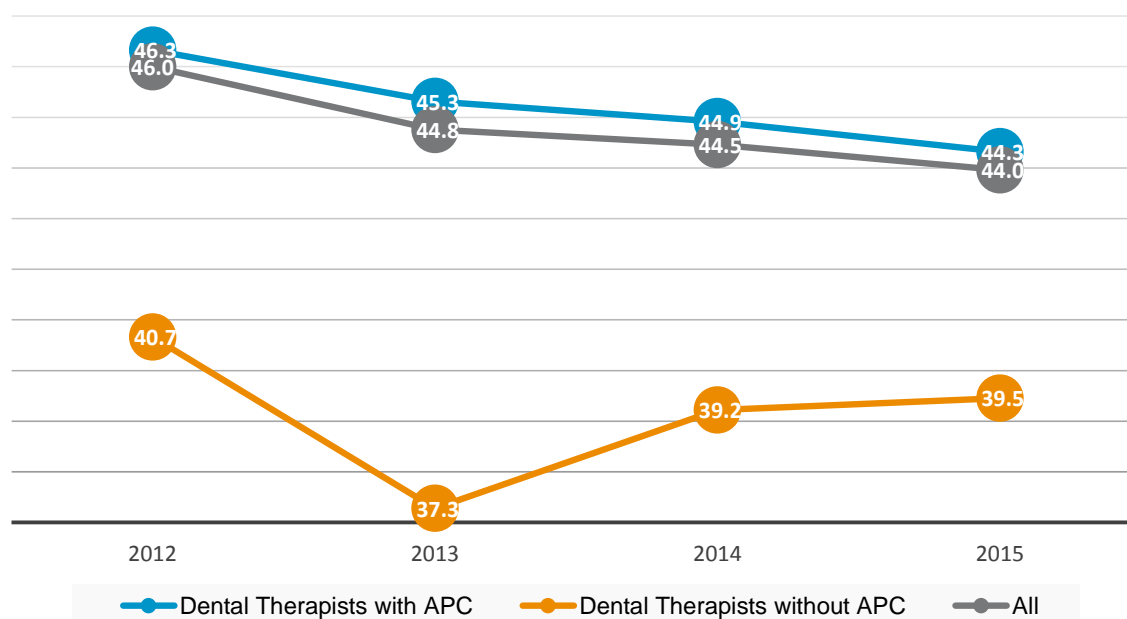
	2012	% YoY	2013	% YoY	2014	% YoY	2015
Dental therapists with practising certificates	804	2.0%	820	2.6%	841	4.0%	875
Dental therapists without practising certificates	50	22.0%	61	19.7%	73	-4.1%	70
Total	854	3.2%	881	3.7%	914	3.4%	945

Demographics

Over the reporting period the mean age has steadily dropped from 46.0 (2012) to 44.0 (2015). This is as a result of the oral health graduates entering the profession of dental therapy. Figure 2-1

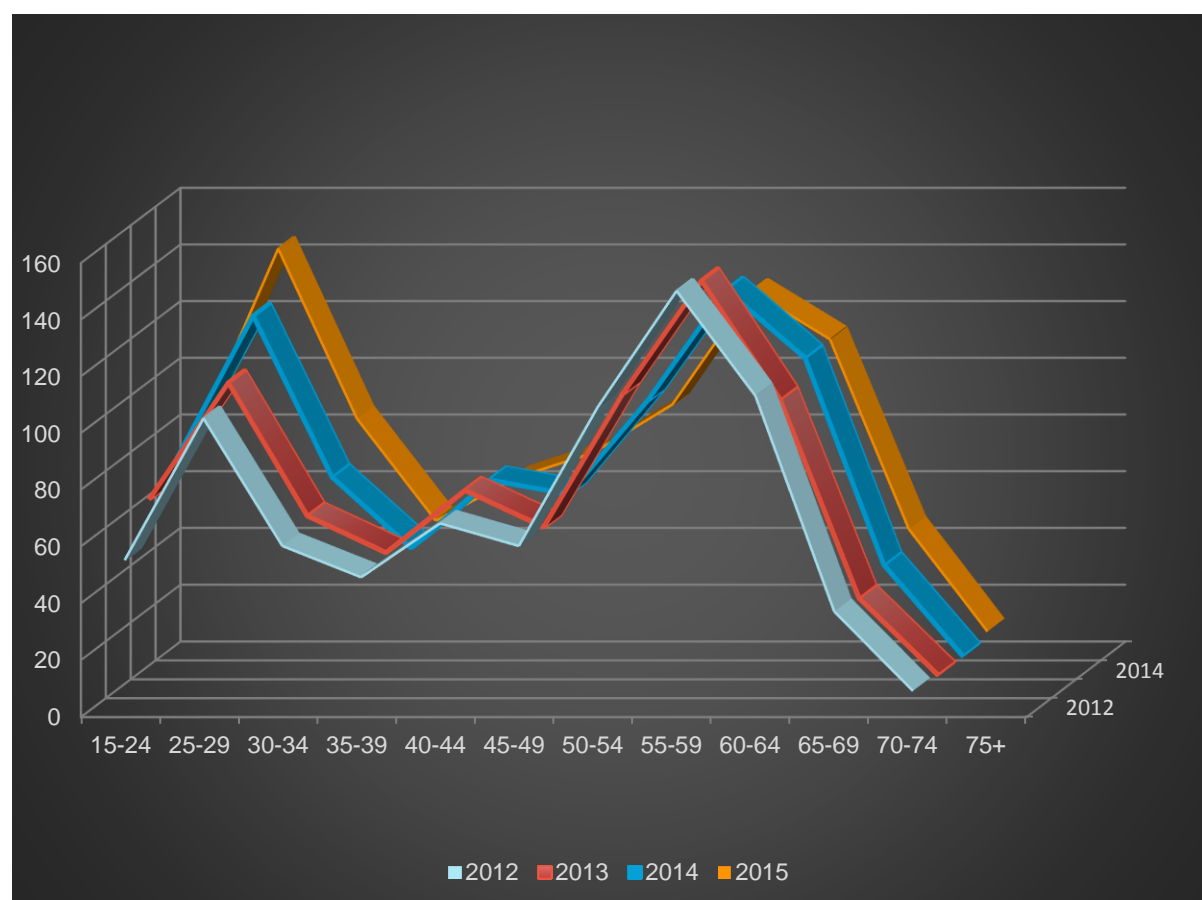
However, this downward trend is expected to reverse once the oral health graduates register as oral health therapists from November 2017 onwards. With no dental therapy qualification available in New Zealand, and hardly any overseas dental therapists entering the profession, limited to no growth in this profession is expected in the future.

Figure 2-1. Mean age of dental therapists



The age group distribution shows uneven distribution that is skewed at both ends. This indicates retirement will have a major impact on this profession. The registration of oral health graduates as oral health therapists in November 2017, will further skew the age distribution towards the right. Figure 2-2

Figure 2-2. Age band distribution of practising dental therapists



Females continue to dominate the dental therapy workforce, with males remaining below 5% of the practising profession (4.8% 2015). Table 2-5

The ethnicity reported by dental therapists reflects the diversity of the profession, similar in nature to the other oral health professions. Showing relatively large increases in ethnicities reported from 2012 to 2015 are Pasifika – specifically Other Pacific Peoples (from 4 to 12: +200%), Fijian (from 5 to 14: +180%), Niuean (from 3 to 7: +133.3%), and Other Asian (from 21 to 39: +85.7%). Table 2-6

Registration

The number and proportion of overseas qualified dental therapists remain fairly stable over the 2012 to 2015 period: between 20 (2.4%) and 23 (2.6%) of practising dental therapists. The number of New Zealand qualified, practising dental therapists continues to increase as a result of the oral health graduates registrations, but remains proportionally similar around 97.5 ± 0.1%. Table 2-8

Based on 2015 data, about half of the overseas qualified dental therapists registered have a prescribed qualification, or a qualification considered equivalent to the New Zealand prescribed qualifications. The remainder registered on the basis of similar registration in Australia or passing the New Zealand dental therapy examination; split almost equally between these two pathways. Table 2-9

During the reporting period there has been an increase in the scope of practice registrations for all the previous “additional” scope of practice activities that now form part of the dental therapy scope of practice. Most significantly, an increase of 76.5% in the capability of dental therapists to place stainless steel crowns. Increases in other areas are: pulpotomies (+50.5%), dental radiography (+39.6), diagnostic radiography (+17.6%). These increases were mainly as a result of the oral health graduates entering the profession with these capabilities as part of their undergraduate education. The number of adult care registrants in dental therapy remain stable, with 1 drop-off in 2015. Table 2-10

Practising characteristics

The reported type of primary employment has shown a decline for self-employed dental therapists - down from 50 (6.1% 2013) to 41 (4.7% 2015). This is largely driven by those that reported practising in group practices: a decline from 5.1% (2013) to 3.1% (2015). Employees in private practice shows the biggest change with a growth of 3.5% (from 71 [8.7% 2013] to 107 [12.2% 2015]). Table 2-11

Using a 40 hour work week as a norm, it was found that almost 95% (94.4% 2015) of dental therapists work 40 hours or less per week. This was fairly constant over the reporting periods. Table 2-12

The dental therapists with the highest reported mean hours of work were those with DHBs or MoH as primary employer, varying from 33.7 (sd 8.8 2013) to 35.0 (sd 12.5 2015) hours per week. It is acknowledged that the majority of dental therapists work in DHB environments. Table 2-14 - Table 2-16

Of the 62 dental therapists who reported not practising in New Zealand in 2015, 20 (32.3%) indicated they were practising overseas, 7 (11.3%) were overseas but not practising, and 35 (56.5%) were in New Zealand but not practising. From the last group, most (19) indicated they were completing full-time studies; an increase from 4 since 2013. This is a change from previous years where practising another health profession was the largest category, remaining constant around 10 per year. Table 2-26

Geographical distribution

The analysis of territorial authorities (TAs) shows an overall increase in full time equivalent (FTE) ratios year-on-year. However, there are still a number of TAs without any dental therapy services reported. For 2015, these include: Hauraki, Otorohanga, Kawerau, Carterton, South Wairarapa, Kaikoura, Mackenzie, Waimate, and Chatham Islands territories. Table 2-18 - Table 2-21

Comparing the district health board distributions, the FTE dental therapists reported increased from 570.9 in 2012 to 640.7 in 2015, an increase of 12.2%. While the population aged <15 increased by 0.5% during the same period, the number of therapists per 100,000 population aged <15 increased by 8.3% (from 88.4 to 95.7). Table 2-22 - Table 2-25

Postgraduate studies

Of the 29 dental therapists who indicated they were undertaking postgraduate studies in the 2015 workforce survey, 75.9% indicated they intended to practise in New Zealand following completion of their studies. The following were the most reported areas of postgraduate studies: public health (6), education (5), PhD (4), administration and management (4), nursing (2). Five indicated dental therapy related studies: these mostly related to removal of exclusions on their scopes of practice such as radiography, orthodontic procedures. Table 2-27 & Table 2-28

Workforce survey response rates

Dental therapists have the highest workforce survey response rate of all the professions, with an average of 89% over 2012-2015. The survey response rate was lowest in 2014 (86.2%) and the highest in 2015 (92.0%). Table 2-2

Table 2-2. Dental therapist survey responses

Year	Response rate
2012	88.3%
2013	88.9%
2014	86.2%
2015	92.0%

Dental therapists workforce data tables

Table 2-3. Number of dental therapists with practising certificates, by workforce reporting year

Report year	Total	Female (%)	Male (%)	% overseas graduates
2007	673	664 (98.7)	9 (1.3)	— ^a
2008	648	633 (97.7)	15 (2.3)	—
2009	647	632 (97.7)	15 (2.3)	—
2010/11	740	715 (96.6)	25 (3.4)	—
2011/12	804	769 (95.6)	35 (4.4)	2.6
2012/13	820	788 (96.1)	32 (3.9)	2.4
2013/14	841	802 (95.4)	39 (4.6)	2.4
2014/15	875	833 (95.2)	42 (4.8)	2.6

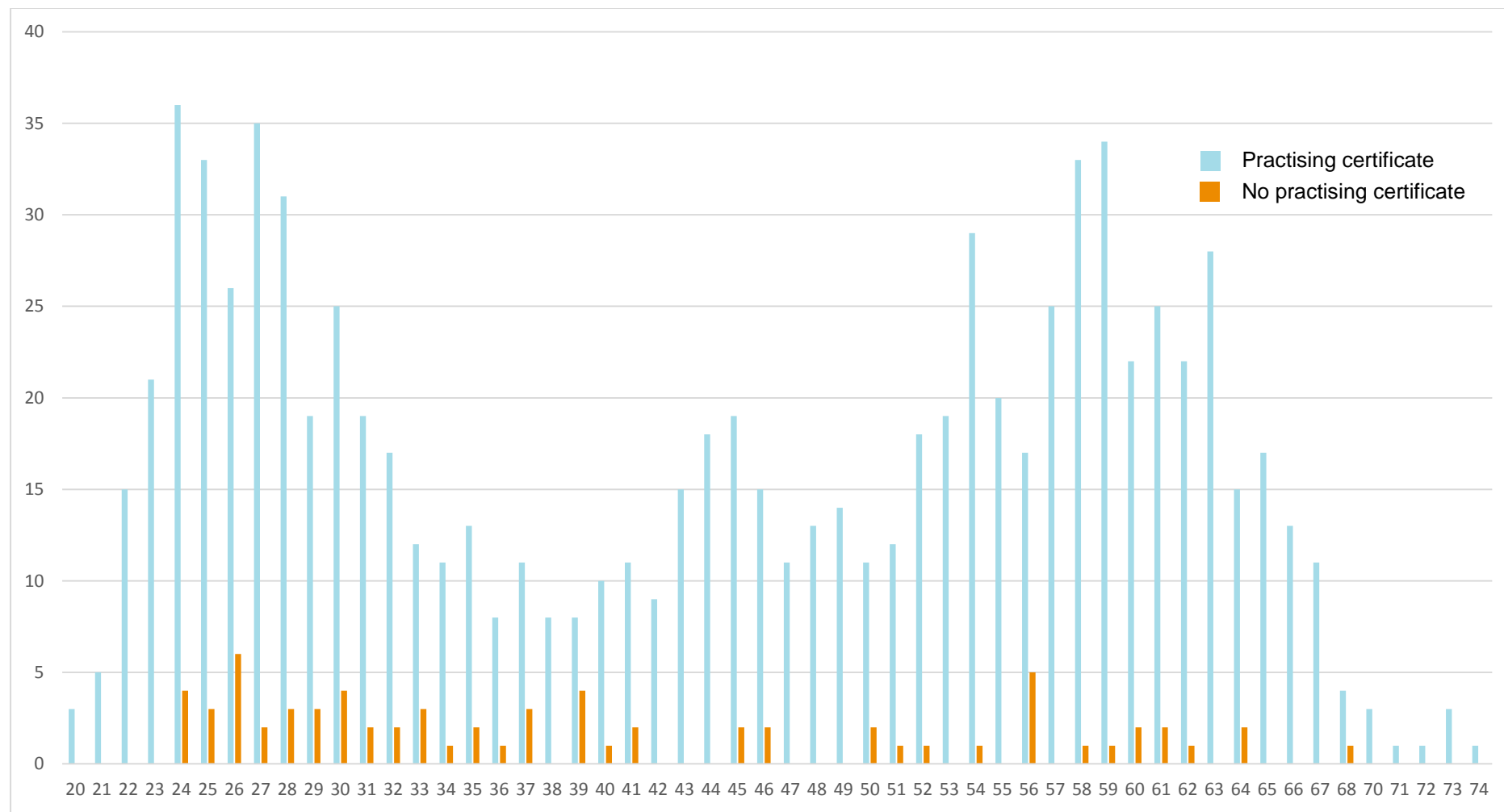
^a Data not available from historic reports
(Data sources: Dental register & previous workforce reports)

Table 2-4. Age of dental therapists by practising certificate status, as at 31 March 2015

Age bands	Practising certificate (%)	No practising certificate (%)
15 - 24	80 (9.1)	4 (5.7)
25 - 29	144 (16.5)	17 (24.3)
30 - 34	84 (9.6)	12 (17.1)
35 - 39	48 (5.5)	10 (14.3)
40 - 44	63 (7.2)	3 (4.3)
45 - 49	72 (8.2)	4 (5.7)
50 - 54	89 (10.2)	5 (7.1)
55 - 59	129 (14.7)	7 (10.0)
60 - 64	112 (12.8)	7 (10.0)
65 - 69	45 (5.1)	1 (1.4)
70 - 74	9 (1.0)	—
75+	—	—
Total	875	70

(Data source: Dental register)

Figure 2-3. Age of dental therapists by practising certificate status, as at 31 March 2015



(Data source: Dental register)

Figure 2-4. Age of registered dental therapists by gender, as at 31 March 2015

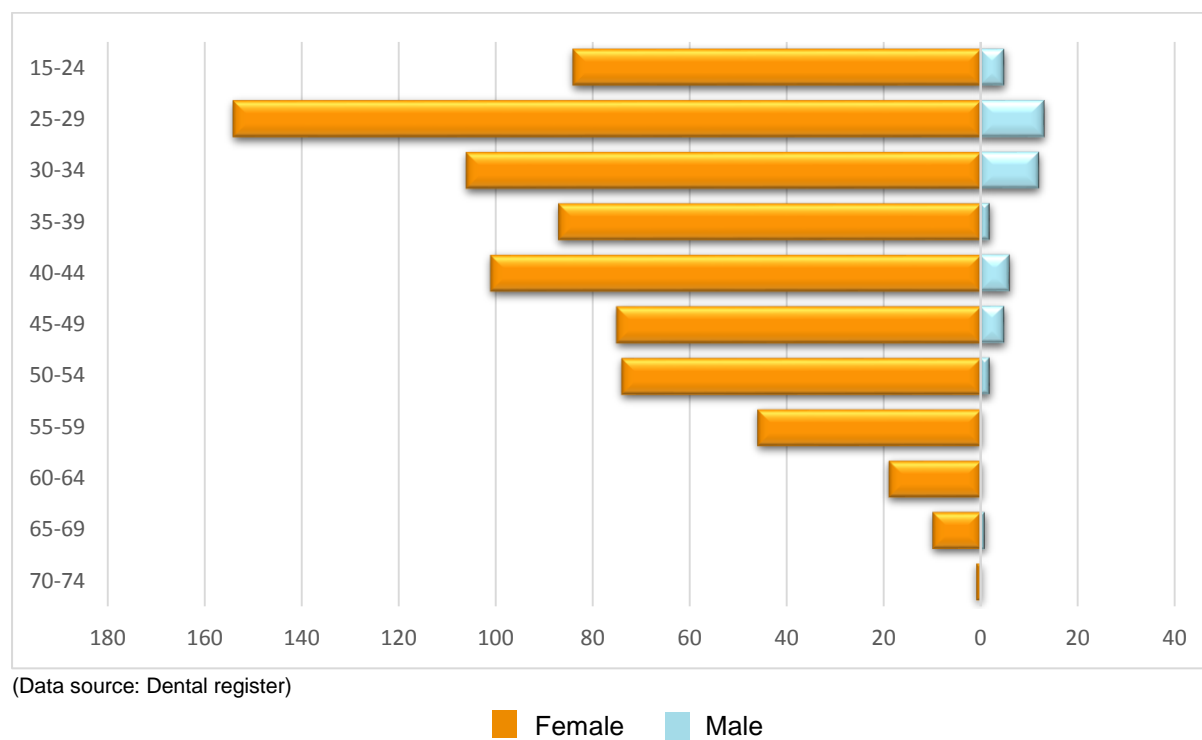


Table 2-5. Gender of dental therapists by practising certificate status

	Gender	Practising certificate (%)	No practising certificate (%)	Total (%)
2012	Female	769 (95.6)	48 (96.0)	817 (95.7)
	Male	35 (4.4)	2 (4.0)	37 (4.3)
	Total	804 (94.1)	50 (5.9)	854
2013	Female	788 (96.1)	56 (91.8)	844 (95.8)
	Male	32 (3.9)	5 (8.2)	37 (4.2)
	Total	820 (93.1)	61 (6.9)	881
2014	Female	802 (95.4)	67 (91.8)	869 (95.1)
	Male	39 (4.6)	6 (8.2)	45 (4.9)
	Total	841 (92.0)	73 (8.0)	914
2015	Female	833 (95.2)	65 (92.9)	898 (95.0)
	Male	42 (4.8)	5 (7.1)	47 (5.0)
	Total	875 (92.6)	70 (7.4)	945

(Data source: Dental register)

Table 2-6. Self-identified ethnicity by practising dental therapists

Ethnicity	2012 ^b	2013	2014	2015
NZ European	547 (68.0)	553 (67.4)	541 (64.3)	573 (65.5)
Māori	88 (10.9)	88 (10.7)	86 (10.2)	99 (11.3)
Other European	24 (3.0)	26 (3.2)	29 (3.4)	34 (3.9)
Samoan	8 (1.0)	7 (0.9)	10 (1.2)	11 (1.3)
Tongan	—	—	—	1 (0.1)
Niuean	3 (0.4)	2 (0.2)	4 (0.5)	7 (0.8)
Fijian	5 (0.6)	9 (1.1)	8 (1.0)	14 (1.6)
Other Pacific Peoples	4 (0.5)	5 (0.6)	7 (0.8)	12 (1.4)
Chinese	32 (4.0)	33 (4.0)	38 (4.5)	41 (4.7)
Other East Asian	6 (0.7)	6 (0.7)	9 (1.1)	10 (1.1)
Indian	21 (2.6)	28 (3.4)	33 (3.9)	35 (4.0)
Other Asian	21 (2.6)	28 (3.4)	28 (3.3)	39 (4.5)
Other	25 (3.1)	24 (2.9)	27 (3.2)	33 (3.8)
No response to question	97 (12.1)	87 (10.6)	98 (11.7)	55 (6.3)
Total ^a	881	896	918	964
Total selecting an 'Other' group	80	89	100	128
Total dental therapists	804	820	841	875

^aTotal is greater than number of dental therapists due to self-identification of multiple ethnicities.

^b Denominator used for percentage values is total practising dental therapists.

(Data sources: Dental register and workforce survey)

Table 2-7. Self-identification of 'other' ethnicity by dental therapists, by geographical area based on 2015 data

Africa		United Kingdom		Asia	
African	3	British/UK	3	Japanese	1
Egyptian	1	English	1	Malaysian	1
South African	9			Malaysian Chinese	1
South African European	1	Other European		Pilipino/Filipino	5
Somali	1	Croatian	1	South Korea	18
Zimbabwe	1	Danish	1	Sri Lanka	2
		Dutch	4	Taiwanese	6
		Dutch Chilean	2	Thai	2
		Georgian	1	Vietnamese	2
Americas		Irish	1		
American	1	Finnish	1	New Zealand	
Brazilian European	1	French	1	New Zealand Pakeha	1
Latin American	1	Hungarian	1		
		Russian	4		
Middle East		Serbian	1	Other Oceania	
Afghanistan	3	Serbo-Croatian	1	Australian	1
Arabic Kurdish	1	Swedish	1	Fijian Indian	1
Iranian	3	Ukrainian	1	Kiribati	1
Iraqi	1			Ni-Vanuatu	
Middle Eastern	4			Rotuman	1
Pakistani	3			Cook Island	3
				Unknown	23

(Data sources: Workforce survey)

Table 2-8. Country of primary qualification for practising dental therapists

Country of qualification	2012 (Row %)	2013 (Row %)	2014 (Row %)	2015 (Row %)
New Zealand	783 (97.4)	800 (97.6)	821 (97.6)	852 (97.4)
Overseas	21 (2.6)	20 (2.4)	20 (2.4)	23 (2.6)
Total	804	820	841	875
Breakdown of overseas qualifications				
	(Column %) ^a	(Column %)	(Column %)	(Column %)
Australia	1 (0.1)	1 (0.1)	1 (0.1)	2 (0.2)
Canada	1 (0.1)	—	—	—
China	1 (0.1)	1 (0.1)	1 (0.1)	1 (0.1)
Fiji	7 (0.9)	6 (0.7)	6 (0.7)	5 (0.6)
Hong Kong	1 (0.1)	1 (0.1)	1 (0.1)	1 (0.1)
India	2 (0.2)	3 (0.4)	5 (0.6)	5 (0.6)
Philippines	1 (0.1)	2 (0.2)	1 (0.1)	3 (0.3)
Russia	1 (0.1)	1 (0.1)	—	1 (0.1)
Samoa	1 (0.1)	1 (0.1)	1 (0.1)	1 (0.1)
South Africa	2 (0.2)	1 (0.1)	1 (0.1)	1 (0.1)
United Kingdom	2 (0.2)	2 (0.2)	2 (0.2)	3 (0.3)
Zimbabwe	1 (0.1)	1 (0.1)	1 (0.1)	—

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 2-9. Overseas qualified dental therapists with practising certificates—type of registration pathway by year of first New Zealand registration, as at 31 March 2015

Year of first registration in New Zealand	NZDTREX (%)	Prescribed qualification or equivalency assessed (%)	Trans-Tasman Mutual Recognition (%)
1986 - 1990	—	—	—
1991 - 1995	—	—	—
1996	—	—	—
1997	—	—	—
1998	—	—	—
1999	—	—	—
2000	—	—	—
2001	—	—	—
2002	—	—	—
2003	—	—	—
2004	—	1 (8.3)	—
2005	—	—	1 (20.0)
2006	—	1 (8.3)	1 (20.0)
2007	1 (16.7)	1 (8.3)	—
2008	—	—	—
2009	1 (16.7)	3 (25.0)	—
2010	—	1 (8.3)	1 (20.0)
2011	1 (16.7)	—	1 (20.0)
2012	1 (16.7)	—	—
2013	1 (16.7)	2 (16.7)	—
2014	1 (16.7)	2 (16.7)	—
2015	—	1 (8.3)	1 (20.0)
Total	6	12	5

Note: NZDTREX = New Zealand Dental Therapy Registration Examination
(Data source: Dental register)

Table 2-10. Scope of practice registrations, including previous “additional” scope of practice activities ^a

	Scope of practice activities	Total
2012	Dental therapists	
	Dental therapy practice	854
	Radiography in Dental Therapy Practice	571
	Diagnostic Radiography in Dental Therapy Practice	732
	Pulpotomies in Dental Therapy Practice	394
	Stainless Steel Crowns in Dental Therapy Practice	328
	Adult Care in Dental Therapy Practice	13
2013	Dental therapists	
	Dental therapy practice	881
	Radiography in Dental Therapy Practice	709
	Diagnostic Radiography in Dental Therapy Practice	785
	Pulpotomies in Dental Therapy Practice	449
	Stainless Steel Crowns in Dental Therapy Practice	408
	Adult Care in Dental Therapy Practice	13
2014	Dental therapists	
	Dental therapy practice	914
	Radiography in Dental Therapy Practice	749
	Diagnostic Radiography in Dental Therapy Practice	817
	Pulpotomies in Dental Therapy Practice	514
	Stainless Steel Crowns in Dental Therapy Practice	482
	Adult Care in Dental Therapy Practice	13
2015	Dental therapists	
	Dental therapy practice	945
	Radiography in Dental Therapy Practice	797
	Diagnostic Radiography in Dental Therapy Practice	861
	Pulpotomies in Dental Therapy Practice	593
	Stainless Steel Crowns in Dental Therapy Practice	579
	Adult Care in Dental Therapy Practice	12

^a The above indented scope activities were registered as “additional” scopes of practices until March 2011, whereafter these activities were considered part of the dental therapy scope of practice, and merged into the general scope. The above reflects the levels of capabilities in these clinical areas.

(Data source: Dental register)

Table 2-11. Type of primary employment of practising dental therapists ^a

	Number (%)	Total %
2013	Self-employed	
	Solo practice	8 (16.0)
	Group practice	42 (84.0)
	Subtotal	50
	Employee	
	Private practice	71 (10.9)
	DHB	559 (86.1)
	Universities	9 (1.4)
	Government Department, not MOH	2 (0.3)
	Iwi	8 (1.2)
	Ministry of Health	—
	Subtotal	649
	Other forms of employment	5
2014	No reply to question	116
	Total	820
	Self-employed	
	Solo practice	4 (11.8)
	Group practice	30 (88.2)
	Subtotal	34
	Employee	
	Private practice	99 (14.5)
	DHB	563 (82.4)
	Universities	8 (1.2)
	Government Department, not MOH	6 (0.9)
	Iwi	7 (1.0)
	Ministry of Health	—
	Subtotal	683
	Other forms of employment	3
	No reply to question	121
	Total	841

	Number (%)	Total %
2015		
Self-employed		
Solo practice	14 (34.1)	1.6
Group practice	27 (65.9)	3.1
Subtotal	41	4.7
Employee		
Private practice	107 (15.7)	12.2
DHB	553 (81.2)	63.2
Universities	11 (1.6)	1.3
Government Department, not MOH	2 (0.3)	0.2
Iwi	8 (1.2)	0.9
Ministry of Health	—	—
Subtotal	681	77.8
Other forms of employment	4	0.5
No reply to question	149	17.0
Total	875	

^a Only the data captured against the dental therapy workforce survey were included in the analysis for oral health graduates registered in both the dental hygiene and dental therapy scopes of practice. However, there might be some overlap in data reported between the two scopes of practice.

(Data source: Workforce survey)

Table 2-12. Total number of hours worked per week by dental therapists practising in New Zealand

Number of hours worked	2013	2014	2015
1 to 10	11 (1.6)	6 (0.8)	10 (1.4)
11 to 20	33 (4.7)	31 (4.3)	30 (4.2)
21 to 30	139 (19.8)	135 (18.9)	130 (18.1)
31 to 40	483 (68.8)	504 (70.6)	509 (70.8)
41 to 50	19 (2.7)	22 (3.1)	22 (3.1)
51 to 60	8 (1.1)	5 (0.7)	6 (0.8)
More than 60	9 (1.3)	11 (1.5)	12 (1.7)
Number giving data on hours	702	714	719
Mean no. of hours/week (SD)	34.5 (9.1)	35.4 (9.2)	35.4 (12.0)
No response or excluded	118	127	156
Total	820	841	875

(Data source: Workforce survey)

Table 2-13. Reasons for part-time practice by dental therapists practising in New Zealand

	Reason for practising part-time	Females (%)	Males (%)	Total (%)
2013	Engaged in non-dental work	14 (5.8)	—	14 (5.8)
	Insufficient dental work	19 (7.9)	1 (33.3)	20 (8.2)
	Seeking dental work	1 (0.4)	—	1 (0.4)
	Semi-retired	5 (2.1)	—	5 (2.1)
	Parental responsibilities	56 (23.3)	—	56 (23.0)
	Personal choice	98 (40.8)	1 (33.3)	99 (40.7)
	Other	47 (19.6)	1 (33.3)	48 (19.8)
	Total working part time	240	3	243
2014	Engaged in non-dental work	21 (8.7)	1 (25.0)	22 (9.0)
	Insufficient dental work	25 (10.4)	1 (25.0)	26 (10.6)
	Seeking dental work	4 (1.7)	—	4 (1.6)
	Semi-retired	4 (1.7)	—	4 (1.6)
	Parental responsibilities	54 (22.4)	—	54 (22.0)
	Personal choice	95 (39.4)	—	95 (38.8)
	Other	38 (15.8)	2 (50.0)	40 (16.3)
	Total working part time	241	4	245
2015	Engaged in non-dental work	21 (8.3)	1 (14.3)	22 (8.4)
	Insufficient dental work	22 (8.7)	2 (28.6)	24 (9.2)
	Seeking dental work	4 (1.6)	—	4 (1.5)
	Semi-retired	4 (1.6)	—	4 (1.5)
	Parental responsibilities	51 (20.1)	1 (14.3)	52 (19.9)
	Personal choice	117 (46.1)	—	117 (44.8)
	Other (see below)	35 (13.8)	3 (42.9)	38 (14.6)
	Total working part time	254	7	261

Reasons offered by the 38 who selected 'other' reasons for practising part-time, based on the 2015 data (number):

- Locum/part-time position/contract hours offered (13)
- Administration/Management (8)
- Studying (6)
- Also practising dental hygiene (3)
- Teaching (2)
- Health issues/injuries (3)
- Not enough dental work (1)
- Extended holiday/travel (1)
- Other/Unknown (1)

(Data source: Workforce survey)

Table 2-14. Work by practice and employment type for dental therapists, by primary and secondary employer for 2013

	Dental therapy		Teaching ^a		Administration ^a		Overall ^c	
	No. ^b	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)
Primary employer								
Private practice (self-emp)	44	25.7 (13.2)	—	—	—	—	50	30.3 (12.8)
Private practice (employee)	50	20.0 (13.0)	—	—	1	14.0	68	31.7 (9.1)
DHB or MOH	530	32.8 (9.1)	3	17.0 (4.2)	19	25.4 (9.6)	549	33.7 (8.8)
Universities	6	26.0 (12.1)	5	30.4 (9.2)	—	—	9	34.2 (5.8)
Other	13	34.7 (5.9)	—	—	1	8.0	15	36.5 (6.1)
Total number	643		8		21		691	
Secondary employer								
Private practice (self-emp)	4	6.5 (3.0)	1	8.0	1	20.0	9	12.8 (5.4)
Private practice (employee)	10	8.4 (5.9)	—	—	—	—	17	8.5 (5.6)
DHB or MOH	9	11.0 (6.7)	—	—	2	13.0 (3.0)	42	11.9 (6.9)
Universities	1	5.0	—	—	—	—	1	5.0
Other	1	16.0	—	—	—	—	1	16.0
Total number	25		1		3		70	

^a Where specifically employed to do so

^b Practitioners reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Totals of columns may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = District health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 2-15. Work by practice and employment type for dental therapists, by primary and secondary employer for 2014

	Dental therapy		Teaching ^a		Administration ^a		Overall ^c	
	No. ^b	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)
Primary employer								
Private practice (self-emp)	30	22.2 (12.5)	—	—	—	—	34	29.6 (9.7)
Private practice (employee)	71	17.1 (13.0)	—	—	—	—	99	32.1 (11.9)
DHB or MOH	541	33.6 (9.6)	5	13.6 (7.1)	19	29.6 (8.6)	553	34.5 (8.9)
Universities	6	16.2 (7.4)	6	20.2 (11.3)	—	—	8	30.0 (11.1)
Other	9	33.3 (8.0)	—	—	1	40.0	16	35.8 (6.5)
Total number	657		11		20		710	
Secondary employer								
Private practice (self-emp)	4	11.0 (4.2)	—	—	1	35.0	6	16.2 (9.5)
Private practice (employee)	20	9.6 (7.7)	—	—	—	—	30	11.5 (7.7)
DHB or MOH	15	12.0 (7.0)	1	32.0	3	22.7 (6.8)	53	12.2 (7.5)
Universities	2	3.0	—	—	—	—	2	8.5 (5.5)
Other	3	4.0 (0.8)	—	—	1	5.0	5	9.2 (9.4)
Total number	44		1		5		96	

^a Where specifically employed to do so

^b Practitioners reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Totals of columns may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = District health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 2-16. Work by practice and employment type for dental therapists, by primary and secondary employer for 2015

	Dental therapy		Teaching ^a		Administration ^a		Overall ^c	
	No. ^b	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)
Primary employer								
Private practice (self-emp)	35	20.8 (14.0)	—	—	—	—	41	30.8 (9.7)
Private practice (employee)	74	15.3 (13.0)	—	—	1	10.0	105	29.6 (10.4)
DHB or MOH	534	34.1 (12.7)	1	16.0	19	29.1 (9.9)	547	35.0 (12.5)
Universities	4	21.3 (10.4)	8	30.3 (12.3)	2	12.5 (9.5)	11	33.8 (12.1)
Other	12	32.4 (10.1)	—	—	—	—	13	34.8 (7.8)
Total number	659		9		22		717	
Secondary employer								
Private practice (self-emp)	5	13.4 (3.7)	—	—	1	30.0	11	14.7 (5.9)
Private practice (employee)	18	8.9 (8.7)	1	12.0	1	32.0	32	14.1 (9.0)
DHB or MOH	13	10.2 (6.3)	1	15.0	2	16.5 (15.5)	45	11.2 (8.6)
Universities	2	5.0 (3.0)	—	—	—	—	2	10.0 (2.0)
Other	1	8.0	—	—	1	8.0	2	8
Total number	39		2		5		92	

^a Where specifically employed to do so

^b Practitioners reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Totals of columns may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = District health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 2-17. Geographic distribution of practising dental therapists by Territorial Authority (TA)

	2012		2013		2014		2015	
TA area	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]
Far North	15 (1.9)	12.1 [14]	13 (1.6)	10.2 [13]	15 (1.8)	11.1 [14]	13 (1.5)	9.9 [12]
Whangarei	19 (2.4)	14.6 [17]	21 (2.6)	14.2 [17]	21 (2.5)	15.9 [18]	24 (2.7)	17.7 [21]
Kaipara	2 (0.2)	0.9 [1]	2 (0.2)	1.1 [2]	2 (0.2)	1.7 [2]	2 (0.2)	1.5 [2]
Auckland unitary authority	277 (34.5)	199.0 [221]	296 (36.1)	218.6 [240]	312 (37.1)	231.0 [251]	342 (39.1)	239.8 [265]
<i>Rodney</i>	12 (1.5)	4.7 [5]	15 (1.8)	10.4 [11]	13 (1.5)	9.8 [9]	13 (1.5)	9.3 [10]
<i>North Shore</i>	50 (6.2)	35.1 [39]	56 (6.8)	34.7 [39]	57 (6.8)	38.3 [41]	68 (7.8)	42.9 [48]
<i>Waitakere</i>	62 (7.7)	48.3 [55]	56 (6.8)	47.3 [51]	56 (6.7)	47.2 [50]	48 (5.5)	39.0 [42]
<i>Auckland</i>	71 (8.8)	46.0 [51]	84 (10.2)	57.6 [65]	95 (11.3)	67.6 [76]	109 (12.5)	74.8 [82]
<i>Manukau</i>	58 (7.2)	44.1 [49]	57 (7.0)	47.6 [49]	61 (7.3)	46.1 [50]	75 (8.6)	53.3 [57]
<i>Papakura</i>	12 (1.5)	8.6 [10]	15 (1.8)	11.8 [14]	16 (1.9)	10.7 [13]	13 (1.5)	8.4 [11]
<i>Franklin</i>	12 (1.5)	12.2 [12]	13 (1.6)	9.1 [11]	14 (1.7)	11.2 [12]	16 (1.8)	12.2 [15]
Thames-Coromandel District	7 (0.9)	5.5 [6]	7 (0.9)	5.0 [6]	3 (0.4)	2.7 [3]	4 (0.5)	2.6 [3]
Hauraki District	1 (0.1)	0.9 [1]	—	—	—	—	—	—
Waikato District	3 (0.4)	1.8 [3]	3 (0.4)	2.3 [3]	3 (0.4)	1.8 [2]	3 (0.3)	1.8 [2]
Matamata-Piako District	3 (0.4)	3.4 [3]	3 (0.4)	3.0 [3]	2 (0.2)	1.8 [2]	3 (0.3)	3.6 [3]
Hamilton City	36 (4.5)	26.5 [31]	40 (4.9)	29.8 [36]	42 (5.0)	36.0 [42]	42 (4.8)	29.4 [37]
Waipa District	6 (0.7)	4.9 [6]	7 (0.9)	4.3 [6]	6 (0.7)	5.2 [5]	4 (0.5)	2.7 [3]
Otorohanga District	3 (0.4)	2.5 [2]	2 (0.2)	0.9 [1]	1 (0.1)	1.4 [1]	0 (0.0)	—
South Waikato District	1 (0.1)	0.9 [1]	2 (0.2)	1.8 [2]	3 (0.4)	1.8 [2]	3 (0.3)	3.1 [3]
Waitomo District	1 (0.1)	0.9 [1]	1 (0.1)	0.9 [1]	1 (0.1)	0.9 [1]	1 (0.1)	0.9 [1]
Taupo District	5 (0.6)	4.2 [5]	5 (0.6)	4.1 [5]	6 (0.7)	4.2 [5]	5 (0.6)	4.8 [5]
Western Bay of Plenty District	2 (0.2)	1.9 [2]	3 (0.4)	2.9 [3]	5 (0.6)	4.8 [4]	5 (0.6)	9.7 [5]

	2012		2013		2014		2015	
TA area	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]
Tauranga City	28 (3.5)	23.1 [25]	28 (3.4)	24.8 [26]	29 (3.4)	25.7 [27]	29 (3.3)	26.7 [28]
Rotorua District	19 (2.4)	15.1 [18]	19 (2.3)	13.3 [16]	21 (2.5)	16.1 [21]	22 (2.5)	14.5 [17]
Whakatane District	8 (1.0)	6.4 [7]	8 (1.0)	7.2 [8]	8 (1.0)	6.3 [7]	6 (0.7)	4.5 [5]
Kawerau District	1 (0.1)	0.9 [1]	1 (0.1)	0.9 [1]	1 (0.1)	1.0 [1]	—	—
Opotiki District	3 (0.4)	2.2 [3]	2 (0.2)	1.5 [2]	2 (0.2)	1.5 [2]	2 (0.2)	1.6 [2]
Gisborne District	9 (1.1)	8.5 [9]	8 (1.0)	7.9 [8]	9 (1.1)	6.9 [7]	8 (0.9)	6.7 [8]
Wairoa District	5 (0.6)	2.7 [3]	3 (0.4)	2.2 [3]	3 (0.4)	2.4 [3]	3 (0.3)	2.3 [3]
Hastings District	15 (1.9)	12.5 [15]	16 (2.0)	12.2 [15]	14 (1.7)	11.9 [14]	17 (1.9)	11.3 [14]
Napier City	9 (1.1)	6.3 [8]	12 (1.5)	6.6 [8]	11 (1.3)	6.9 [8]	11 (1.3)	7.4 [9]
Central Hawke's Bay District	1 (0.1)	0.9 [1]	1 (0.1)	0.9 [1]	1 (0.1)	0.9 [1]	1 (0.1)	0.9 [1]
New Plymouth District	17 (2.1)	12.4 [15]	18 (2.2)	13.8 [16]	16 (1.9)	15.5 [15]	18 (2.1)	12.9 [15]
Stratford District	2 (0.2)	1.7 [2]	2 (0.2)	1.5 [2]	3 (0.4)	2.3 [3]	3 (0.3)	2.1 [3]
South Taranaki District	3 (0.4)	3.3 [3]	2 (0.2)	1.7 [2]	3 (0.4)	2.3 [3]	3 (0.3)	2.3 [3]
Ruapehu District	5 (0.6)	2.1 [4]	5 (0.6)	3.8 [5]	4 (0.5)	2.3 [4]	3 (0.3)	2.1 [3]
Wanganui District	18 (2.2)	13.1 [16]	18 (2.2)	15.3 [18]	16 (1.9)	12.9 [15]	17 (1.9)	13.8 [15]
Rangitikei District	3 (0.4)	1.2 [2]	3 (0.4)	2.2 [3]	4 (0.5)	1.6 [2]	3 (0.3)	3.1 [3]
Manawatu District	4 (0.5)	3.3 [4]	4 (0.5)	3.3 [4]	3 (0.4)	2.3 [3]	2 (0.2)	2.7 [2]
Palmerston North City	18 (2.2)	10.8 [14]	19 (2.3)	13.1 [16]	19 (2.3)	18.0 [18]	22 (2.5)	17.1 [19]
Tararua District	3 (0.4)	2.5 [3]	3 (0.4)	2.5 [3]	3 (0.4)	2.3 [3]	3 (0.3)	2.5 [3]
Horowhenua District	4 (0.5)	3.5 [4]	5 (0.6)	4.2 [5]	4 (0.5)	3.1 [4]	4 (0.5)	3.1 [4]
Kapiti Coast District	6 (0.7)	4.9 [6]	5 (0.6)	3.2 [4]	6 (0.7)	3.7 [5]	6 (0.7)	3.5 [5]
Porirua City	7 (0.9)	3.5 [4]	5 (0.6)	4.6 [5]	5 (0.6)	4.6 [5]	5 (0.6)	3.6 [4]
Upper Hutt City	2 (0.2)	1.4 [2]	4 (0.5)	3.0 [3]	4 (0.5)	4.0 [4]	5 (0.6)	4.1 [4]

	2012		2013		2014		2015	
TA area	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]
Lower Hutt City	27 (3.4)	22.6 [23]	23 (2.8)	17.5 [22]	23 (2.7)	17.5 [21]	27 (3.1)	21.0 [24]
Wellington City	24 (3.0)	13.0 [15]	32 (3.9)	23.7 [26]	30 (3.6)	23.3 [24]	25 (2.9)	16.4 [18]
Masterton District	7 (0.9)	3.7 [6]	9 (1.1)	4.8 [7]	10 (1.2)	7.7 [10]	10 (1.1)	7.5 [10]
Carterton District	1 (0.1)	0.9 [1]	1 (0.1)	0.9 [1]	1 (0.1)	0.7 [1]	1 (0.1)	—
South Wairarapa District	—	—	—	—	—	—	—	—
Tasman District	4 (0.5)	3.2 [4]	5 (0.6)	4.4 [5]	6 (0.7)	5.4 [6]	7 (0.8)	5.4 [6]
Nelson City	9 (1.1)	6.2 [9]	10 (1.2)	5.7 [8]	9 (1.1)	5.6 [7]	7 (0.8)	5.2 [6]
Marlborough District	7 (0.9)	4.3 [7]	6 (0.7)	4.3 [6]	6 (0.7)	4.4 [6]	7 (0.8)	5.3 [7]
Kaikoura District	—	—	—	—	—	—	—	—
Buller District	1 (0.1)	1.0 [1]	1 (0.1)	1.0 [1]	1 (0.1)	1.0 [1]	1 (0.1)	1.0 [1]
Grey District	3 (0.4)	2.2 [3]	2 (0.2)	1.4 [2]	2 (0.2)	1.5 [2]	2 (0.2)	0.9 [1]
Westland District	1 (0.1)	1.0 [1]	1 (0.1)	1.0 [1]	1 (0.1)	1.0 [1]	1 (0.1)	1.0 [1]
Hurunui District	1 (0.1)	0.5 [1]	1 (0.1)	0.5 [1]	1 (0.1)	0.5 [1]	1 (0.1)	0.5 [1]
Waimakariri District	3 (0.4)	2.6 [3]	3 (0.4)	2.7 [3]	2 (0.2)	1.6 [2]	4 (0.5)	2.5 [3]
Christchurch City	50 (6.2)	34.0 [41]	46 (5.6)	35.6 [43]	49 (5.8)	32.8 [41]	50 (5.7)	34.6 [41]
Selwyn District	2 (0.2)	1.6 [2]	3 (0.4)	1.4 [2]	3 (0.4)	2.3 [3]	3 (0.3)	2.3 [3]
Ashburton District	2 (0.2)	1.6 [2]	2 (0.2)	1.7 [2]	2 (0.2)	0.7 [1]	3 (0.3)	2.6 [3]
Timaru District	10 (1.2)	7.4 [10]	8 (1.0)	4.9 [6]	7 (0.8)	5.8 [7]	6 (0.7)	5.0 [6]
Mackenzie District	—	—	—	—	—	—	—	—
Waimate District	—	—	—	—	—	—	—	—
Chatham Islands Territory	—	—	—	—	—	—	—	—
Waitaki District	5 (0.6)	3.2 [5]	5 (0.6)	2.1 [3]	5 (0.6)	4.0 [5]	4 (0.5)	3.4 [4]
Central Otago District	3 (0.4)	0.9 [1]	3 (0.4)	2.9 [3]	3 (0.4)	3.1 [3]	3 (0.3)	2.0 [2]

	2012		2013		2014		2015	
TA area	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]
Queenstown-Lakes District	4 (0.5)	2.4 [3]	3 (0.4)	2.0 [3]	4 (0.5)	3.3 [4]	4 (0.5)	3.4 [4]
Dunedin City	38 (4.7)	21.7 [27]	38 (4.6)	22.6 [27]	39 (4.6)	21.3 [25]	38 (4.3)	29.6 [31]
Clutha District	2 (0.2)	1.9 [2]	4 (0.5)	2.8 [3]	3 (0.4)	2.3 [3]	3 (0.3)	2.8 [3]
Southland District	2 (0.2)	0.7 [1]	4 (0.5)	3.5 [4]	2 (0.2)	1.8 [2]	3 (0.3)	0.9 [1]
Gore District	3 (0.4)	2.5 [2]	4 (0.5)	3.8 [4]	5 (0.6)	3.0 [3]	5 (0.6)	4.9 [5]
Invercargill City	11 (1.4)	9.2 [11]	9 (1.1)	5.7 [7]	10 (1.2)	7.0 [8]	9 (1.0)	6.9 [8]
TLA code not available	13 (1.6)	0.9 [1]	1 (0.1)	—	6 (0.7)	0.9 [1]	7 (0.8)	—
Total	804	570.9 [665]	820	605.0 [702]	841	632.6 [715]	875	640.7 [721]

Note: FTE = Full time equivalent

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 2-18. Population to practising dental therapists and FTE ratios by TA, for 2012

	Total population	Population aged <15 years ^a	Population aged <15 years-to- dental therapist ratio _{a, b}	Dental therapist per 100,000 population aged <15 ^b	Population aged <15 years-to- FTE-dental therapist ratio	FTE per 100,000 population aged <15
Far North	60,400	13,700	913.3	109.5	1,134.6	88.1
Whangarei	82,800	18,200	957.9	104.4	1,250.9	79.9
Kaipara	20,300	4,200	2,100.0	47.6	4,540.5	22.0
Auckland	1,476,500	312,400	1,127.8	88.7	1,569.8	63.7
Thames-Coromandel District	27,200	4,500	642.9	155.6	825.7	121.1
Hauraki District	18,600	3,650	3,650.0	27.4	4,171.4	24.0
Waikato District	66,100	16,000	5,333.3	18.8	9,014.1	11.1
Matamata-Piako District	32,600	7,100	2,366.7	42.3	2,073.0	48.2
Hamilton City	148,100	32,100	891.7	112.1	1,210.2	82.6
Waipa District	48,200	10,500	1,750.0	57.1	2,153.8	46.4
Otorohanga District	9,570	2,220	740.0	135.1	906.1	110.4
South Waikato District	23,200	5,500	5,500.0	18.2	6,285.7	15.9
Waitomo District	9,490	2,310	2,310.0	43.3	2,640.0	37.9
Taupo District	34,600	7,400	1,480.0	67.6	1,772.5	56.4
Western Bay of Plenty District	45,500	9,200	4,600.0	21.7	4,973.0	20.1
Tauranga City	118,300	24,600	878.6	113.8	1,067.2	93.7
Rotorua District	68,600	16,200	852.6	117.3	1,074.6	93.1
Whakatane District	34,300	8,100	1,012.5	98.8	1,265.6	79.0
Kawerau District	6,850	1,770	1,770.0	56.5	1,966.7	50.8
Opotiki District	8,870	2,070	690.0	144.9	930.3	107.5
Gisborne District	47,000	11,800	1,311.1	76.3	1,388.2	72.0
Wairoa District	8,350	2,100	420.0	238.1	770.6	129.8
Hastings District	76,400	17,700	1,180.0	84.7	1,421.7	70.3
Napier City	59,400	12,200	1,355.6	73.8	1,944.2	51.4
Central Hawke's Bay District	13,350	2,750	2,750.0	36.4	3,142.9	31.8
New Plymouth District	76,200	15,600	917.6	109.0	1,255.5	79.6
Stratford District	9,230	2,030	1,015.0	98.5	1,194.1	83.7
South Taranaki District	27,400	6,300	2,100.0	47.6	1,938.5	51.6
Ruapehu District	12,600	2,900	580.0	172.4	1,381.0	72.4
Wanganui District	43,600	8,900	494.4	202.2	678.1	147.5
Rangitikei District	14,550	3,050	1,016.7	98.4	2,489.8	40.2
Manawatu District	28,200	5,900	1,475.0	67.8	1,774.4	56.4
Palmerston North City	83,300	16,900	938.9	106.5	1,568.4	63.8
Tararua District	17,600	3,900	1,300.0	76.9	1,575.8	63.5
Horowhenua District	31,200	6,100	1,525.0	65.6	1,730.5	57.8

	Total population	Population aged <15 years ^a	Population aged <15 years-to- dental therapist ratio _{a, b}	Dental therapist per 100,000 population aged <15 ^b	Population aged <15 years-to- FTE-dental therapist ratio	FTE per 100,000 population aged <15
Kapiti Coast District	50,400	9,300	1,550.0	64.5	1,907.7	52.4
Porirua City	53,400	13,100	1,871.4	53.4	3,769.8	26.5
Upper Hutt City	41,300	8,400	4,200.0	23.8	6,000.0	16.7
Lower Hutt City	101,200	21,800	807.4	123.9	966.7	103.4
Wellington City	196,600	34,300	1,429.2	70.0	2,638.5	37.9
Masterton District	24,100	4,900	700.0	142.9	1,342.5	74.5
Carterton District	8,310	1,670	1,670.0	59.9	1,805.4	55.4
South Wairarapa District	9,710	1,910	—	—	—	—
Tasman District	48,600	9,800	2,450.0	40.8	3,111.1	32.1
Nelson City	48,200	9,100	1,011.1	98.9	1,479.7	67.6
Marlborough District	44,600	8,000	1,142.9	87.5	1,849.7	54.1
Kaikoura District	3,680	620	—	—	—	—
Buller District	10,650	2,000	2,000.0	50.0	2,000.0	50.0
Grey District	13,900	2,800	933.3	107.1	1,258.4	79.5
Westland District	8,560	1,570	1,570.0	63.7	1,570.0	63.7
Hurunui District	11,800	2,300	2,300.0	43.5	5,111.1	19.6
Waimakariri District	50,500	10,400	3,466.7	28.8	3,961.9	25.2
Christchurch City	355,100	64,400	1,288.0	77.6	1,892.7	52.8
Selwyn District	44,400	9,800	4,900.0	20.4	6,222.2	16.1
Ashburton District	31,700	6,500	3,250.0	30.8	4,127.0	24.2
Timaru District	45,100	8,300	830.0	120.5	1,129.3	88.6
Mackenzie District	4,280	830	—	—	—	—
Waimate District	7,720	1,390	—	—	—	—
Chatham Islands Territory	600	120	—	—	—	—
Waitaki District	21,300	3,900	780.0	128.2	1,218.8	82.1
Central Otago District	18,200	3,350	1,116.7	89.6	3,828.6	26.1
Queenstown-Lakes District	28,800	5,300	1,325.0	75.5	2,208.3	45.3
Dunedin City	123,500	20,000	526.3	190.0	920.6	108.6
Clutha District	17,300	3,600	1,800.0	55.6	1,894.7	52.8
Southland District	30,200	6,600	3,300.0	30.3	9,103.4	11.0
Gore District	12,400	2,500	833.3	120.0	1,000.0	100.0
Invercargill City	53,200	10,600	963.6	103.8	1,152.2	86.8
Missing/outside TA	70					
Total ^c	4,408,100	909,010	1,130.6	88.4	1,592.4	62.8

^a Population estimate as at 30 June 2012

^b Where hours are reported

^c Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 2-19. Population to practising dental therapists and FTE ratios by TA, for 2013

	Total population	Population aged <15 years ^a	Population aged <15 years-to- dental therapist ratio _{a, b}	Dental therapist per 100,000 population aged <15 ^b	Population aged <15 years-to- FTE-dental therapist ratio	FTE per 100,000 population aged <15
Far North	60,600	13,700	1,053.8	94.9	1,339.9	74.6
Whangarei	83,700	18,500	881.0	113.5	1,302.8	76.8
Kaipara	20,500	4,200	2,100.0	47.6	3,907.0	25.6
Auckland	1,493,200	311,500	1,052.4	95.0	1,425.1	70.2
Thames-Coromandel District	27,300	4,500	642.9	155.6	909.1	110.0
Hauraki District	18,600	3,650	—	—	—	—
Waikato District	66,500	16,000	5,333.3	18.8	7,111.1	14.1
Matamata-Piako District	32,900	7,200	2,400.0	41.7	2,400.0	41.7
Hamilton City	150,200	32,400	810.0	123.5	1,089.1	91.8
Waipa District	48,700	10,500	1,500.0	66.7	2,427.7	41.2
Otorohanga District	9,590	2,250	1,125.0	88.9	2,571.4	38.9
South Waikato District	23,200	5,500	2,750.0	36.4	3,098.6	32.3
Waitomo District	9,340	2,250	2,250.0	44.4	2,500.0	40.0
Taupo District	34,800	7,600	1,520.0	65.8	1,876.5	53.3
Western Bay of Plenty District	45,500	9,100	3,033.3	33.0	3,193.0	31.3
Tauranga City	119,800	24,800	885.7	112.9	1,001.0	99.9
Rotorua District	68,400	15,800	831.6	120.3	1,185.7	84.3
Whakatane District	34,200	8,000	1,000.0	100.0	1,111.1	90.0
Kawerau District	6,650	1,710	1,710.0	58.5	1,900.0	52.6
Opotiki District	8,780	2,020	1,010.0	99.0	1,346.7	74.3
Gisborne District	47,000	11,700	1,462.5	68.4	1,481.0	67.5
Wairoa District	8,300	2,070	690.0	144.9	930.3	107.5
Hastings District	76,700	17,700	1,106.3	90.4	1,450.8	68.9
Napier City	59,600	12,200	1,016.7	98.4	1,848.5	54.1
Central Hawke's Bay District	13,250	2,750	2,750.0	36.4	3,142.9	31.8
New Plymouth District	77,100	15,800	877.8	113.9	1,147.0	87.2
Stratford District	9,210	2,030	1,015.0	98.5	1,353.3	73.9
South Taranaki District	27,500	6,300	3,150.0	31.7	3,705.9	27.0
Ruapehu District	12,450	2,900	580.0	172.4	768.2	130.2
Wanganui District	43,500	8,800	488.9	204.5	576.1	173.6
Rangitikei District	14,550	3,150	1,050.0	95.2	1,431.8	69.8
Manawatu District	28,500	6,000	1,500.0	66.7	1,846.2	54.2
Palmerston North City	83,500	16,700	878.9	113.8	1,277.2	78.3
Taranua District	17,450	3,850	1,283.3	77.9	1,571.4	63.6
Horowhenua District	31,200	6,000	1,200.0	83.3	1,428.6	70.0

	Total population	Population aged <15 years ^a	Population aged <15 years-to- dental therapist ratio _{a, b}	Dental therapist per 100,000 population aged <15 ^b	Population aged <15 years-to- FTE-dental therapist ratio	FTE per 100,000 population aged <15
Kapiti Coast District	50,700	9,300	1,860.0	53.8	2,883.7	34.7
Porirua City	53,700	13,100	2,620.0	38.2	2,847.8	35.1
Upper Hutt City	41,300	8,400	2,100.0	47.6	2,823.5	35.4
Lower Hutt City	101,200	21,600	939.1	106.5	1,232.5	81.1
Wellington City	197,500	34,200	1,068.8	93.6	1,443.0	69.3
Masterton District	24,100	4,900	544.4	183.7	1,015.5	98.5
Carterton District	8,490	1,700	1,700.0	58.8	1,942.9	51.5
South Wairarapa District	9,800	1,920	—	—	—	—
Tasman District	48,800	9,700	1,940.0	51.5	2,229.9	44.8
Nelson City	48,700	9,200	920.0	108.7	1,621.1	61.7
Marlborough District	44,700	8,100	1,350.0	74.1	1,883.7	53.1
Kaikoura District	3,640	640	—	—	—	—
Buller District	10,650	2,000	2,000.0	50.0	2,000.0	50.0
Grey District	13,700	2,700	1,350.0	74.1	1,894.7	52.8
Westland District	8,570	1,590	1,590.0	62.9	1,590.0	62.9
Hurunui District	12,000	2,350	2,350.0	42.6	5,222.2	19.1
Waimakariri District	52,300	10,600	3,533.3	28.3	4,000.0	25.0
Christchurch City	356,700	63,900	1,389.1	72.0	1,794.9	55.7
Selwyn District	46,700	10,500	3,500.0	28.6	7,368.4	13.6
Ashburton District	32,300	6,700	3,350.0	29.9	3,941.2	25.4
Timaru District	45,400	8,300	1,037.5	96.4	1,693.9	59.0
Mackenzie District	4,300	860	—	—	—	—
Waimate District	7,810	1,420	—	—	—	—
Chatham Islands Territory	600	120	—	—	—	—
Waitaki District	21,400	3,900	780.0	128.2	1,857.1	53.8
Central Otago District	18,500	3,400	1,133.3	88.2	1,182.6	84.6
Queenstown-Lakes District	29,700	5,400	1,800.0	55.6	2,700.0	37.0
Dunedin City	123,500	20,100	528.9	189.1	888.4	112.6
Clutha District	17,250	3,600	900.0	111.1	1,285.7	77.8
Southland District	30,300	6,700	1,675.0	59.7	1,942.0	51.5
Gore District	12,400	2,450	612.5	163.3	644.7	155.1
Invercargill City	53,200	10,500	1,166.7	85.7	1,858.4	53.8
Missing/outside TA	80	180				
Total ^c	4,442,100	908,980	1,108.5	90.2	1,502.4	66.6

^a Population estimate as at 30 June 2013

^b Where hours are reported

^c Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 2-20. Population to practising dental therapists and FTE ratios by TA, for 2014

	Total population	Population aged <15 years ^a	Population aged <15 years-to- dental therapist ratio ^{a, b}	Dental therapist per 100,000 population aged <15 ^b	Population aged <15 years-to-FTE- dental therapist ratio	FTE per 100,000 population aged <15
Far North	61,000	13,800	920.0	108.7	1,240.4	80.6
Whangarei	84,400	18,500	881.0	113.5	1,161.7	86.1
Kaipara	20,700	4,100	2,050.0	48.8	2,411.8	41.5
Auckland	1,526,900	313,700	1,005.4	99.5	1,358.2	73.6
Thames-Coromandel District	27,500	4,500	1,500.0	66.7	1,698.1	58.9
Hauraki District	18,800	3,700	—	—	—	—
Waikato District	68,000	16,300	5,433.3	18.4	9,055.6	11.0
Matamata-Piako District	33,300	7,200	3,600.0	27.8	3,945.2	25.3
Hamilton City	153,000	32,500	773.8	129.2	903.4	110.7
Waipa District	49,300	10,300	1,716.7	58.3	1,990.3	50.2
Otorohanga District	9,650	2,330	2,330.0	42.9	1,664.3	60.1
South Waikato District	23,300	5,400	1,800.0	55.6	3,000.0	33.3
Waitomo District	9,400	2,260	2,260.0	44.2	2,443.2	40.9
Taupo District	35,100	7,500	1,250.0	80.0	1,785.7	56.0
Western Bay of Plenty District	45,900	9,100	1,820.0	54.9	1,915.8	52.2
Tauranga City	121,800	24,900	858.6	116.5	969.8	103.1
Rotorua District	68,500	15,700	747.6	133.8	973.6	102.7
Whakatane District	34,300	7,900	987.5	101.3	1,264.0	79.1
Kawerau District	6,600	1,660	1,660.0	60.2	1,747.4	57.2
Opotiki District	8,830	2,060	1,030.0	97.1	1,373.3	72.8
Gisborne District	47,100	11,600	1,288.9	77.6	1,681.2	59.5
Wairoa District	8,200	2,040	680.0	147.1	868.1	115.2
Hastings District	77,400	17,700	1,264.3	79.1	1,487.4	67.2
Napier City	60,000	12,100	1,100.0	90.9	1,760.0	56.8
Central Hawke's Bay District	13,250	2,750	2,750.0	36.4	3,142.9	31.8
New Plymouth District	78,200	16,000	1,000.0	100.0	1,035.6	96.6
Stratford District	9,260	2,020	673.3	148.5	897.8	111.4
South Taranaki District	27,500	6,300	2,100.0	47.6	2,769.2	36.1
Ruapehu District	12,450	2,900	725.0	137.9	1,247.3	80.2
Wanganui District	43,400	8,800	550.0	181.8	683.5	146.3
Rangitikei District	14,600	3,150	787.5	127.0	2,000.0	50.0
Manawatu District	28,800	6,000	2,000.0	50.0	2,580.6	38.8
Palmerston North City	84,400	16,800	884.2	113.1	932.0	107.3
Tararua District	17,350	3,850	1,283.3	77.9	1,692.3	59.1
Horowhenua District	31,300	5,900	1,475.0	67.8	1,888.0	53.0

Kapiti Coast District	51,100	9,300	1,550.0	64.5	2,530.6	39.5
Porirua City	54,100	13,000	2,600.0	38.5	2,826.1	35.4
Upper Hutt City	41,800	8,600	2,150.0	46.5	2,163.5	46.2
Lower Hutt City	101,700	21,400	930.4	107.5	1,224.6	81.7
Wellington City	200,000	33,900	1,130.0	88.5	1,453.4	68.8
Masterton District	24,200	4,800	480.0	208.3	625.4	159.9
Carterton District	8,680	1,710	1,710.0	58.5	2,442.9	40.9
South Wairarapa District	9,920	1,930	—	—	—	—
Tasman District	49,100	9,600	1,600.0	62.5	1,777.8	56.3
Nelson City	49,300	9,300	1,033.3	96.8	1,660.7	60.2
Marlborough District	44,800	8,000	1,333.3	75.0	1,828.6	54.7
Kaikoura District	3,640	610	—	—	—	—
Buller District	10,550	1,900	1,900.0	52.6	1,900.0	52.6
Grey District	13,600	2,650	1,325.0	75.5	1,827.6	54.7
Westland District	8,640	1,560	1,560.0	64.1	1,560.0	64.1
Hurunui District	12,200	2,400	2,400.0	41.7	5,333.3	18.8
Waimakariri District	54,400	11,000	5,500.0	18.2	6,984.1	14.3
Christchurch City	361,900	63,700	1,300.0	76.9	1,943.6	51.5
Selwyn District	49,500	11,000	3,666.7	27.3	4,835.2	20.7
Ashburton District	32,800	6,800	3,400.0	29.4	9,714.3	10.3
Timaru District	45,900	8,300	1,185.7	84.3	1,424.9	70.2
Mackenzie District	4,320	830	—	—	—	—
Waimate District	7,880	1,460	—	—	—	—
Chatham Islands Territory	600	110	—	—	—	—
Waitaki District	21,700	4,000	800.0	125.0	1,012.7	98.8
Central Otago District	18,850	3,400	1,133.3	88.2	1,105.7	90.4
Queenstown-Lakes District	30,900	5,700	1,425.0	70.2	1,727.3	57.9
Dunedin City	124,600	20,000	512.8	195.0	937.9	106.6
Clutha District	17,350	3,550	1,183.3	84.5	1,526.9	65.5
Southland District	30,400	6,700	3,350.0	29.9	3,774.6	26.5
Gore District	12,400	2,450	490.0	204.1	816.7	122.4
Invercargill City	53,700	10,800	1,080.0	92.6	1,542.9	64.8
Missing/outside TA	80	680				
Total ^c	4,509,700	911,780	1,084.2	92.2	1,441.3	69.4

^a Population estimate as at 30 June 2014

^b Where hours are reported

^c Due to rounding, individual figures may not always sum to the stated totals.
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 2-21. Population to practising dental therapists and FTE ratios by TA, for 2015

TA areas	Total population	Population aged <15 years ^a	Population aged <15 years-to-dental therapist ratio ^{a, b}	Dental therapist per 100,000 population aged <15 ^b	Population aged <15 years-to-FTE-dental therapist ratio	FTE per 100,000 population aged <15
Far North	61,300	13,500	1,038.5	96.3	1,367.1	73.1
Whangarei	85,900	18,600	775.0	129.0	1,053.8	94.9
Kaipara	21,100	4,200	2,100.0	47.6	2,754.1	36.3
Auckland	1,569,900	316,000	924.0	108.2	1,318.0	75.9
Thames-Coromandel District	27,800	4,400	1,100.0	90.9	1,692.3	59.1
Hauraki District	19,100	3,700	—	—	—	—
Waikato District	69,500	16,300	5,433.3	18.4	9,055.6	11.0
Matamata-Piako District	33,600	7,000	2,333.3	42.9	1,944.4	51.4
Hamilton City	156,800	33,100	788.1	126.9	1,126.8	88.7
Waipa District	50,400	10,500	2,625.0	38.1	3,888.9	25.7
Otorohanga District	9,720	2,350	—	—	—	—
South Waikato District	23,500	5,400	1,800.0	55.6	1,728.0	57.9
Waitomo District	9,530	2,330	2,330.0	42.9	2,518.9	39.7
Taupo District	35,600	7,500	1,500.0	66.7	1,570.7	63.7
Western Bay of Plenty District	46,800	9,100	1,820.0	54.9	935.7	106.9
Tauranga City	124,600	25,200	869.0	115.1	943.8	106.0
Rotorua District	69,200	15,600	709.1	141.0	1,075.9	92.9
Whakatane District	34,600	7,800	1,300.0	76.9	1,723.8	58.0
Kawerau District	6,660	1,650	—	—	—	—
Opotiki District	8,810	2,020	1,010.0	99.0	1,262.5	79.2
Gisborne District	47,400	11,600	1,450.0	69.0	1,731.3	57.8
Wairoa District	8,180	2,060	686.7	145.6	886.0	112.9
Hastings District	77,900	17,600	1,035.3	96.6	1,564.4	63.9
Napier City	60,400	12,100	1,100.0	90.9	1,629.6	61.4
Central Hawke's Bay District	13,450	2,750	2,750.0	36.4	3,142.9	31.8
New Plymouth District	79,000	16,100	894.4	111.8	1,252.9	79.8
Stratford District	9,220	1,990	663.3	150.8	970.7	103.0
South Taranaki District	27,700	6,100	2,033.3	49.2	2,711.1	36.9
Ruapehu District	12,450	2,900	966.7	103.4	1,381.0	72.4
Wanganui District	43,600	8,600	505.9	197.7	623.2	160.5
Rangitikei District	14,700	3,150	1,050.0	95.2	1,032.8	96.8
Manawatu District	29,300	6,200	3,100.0	32.3	2,339.6	42.7
Palmerston North City	85,500	16,600	754.5	132.5	973.6	102.7
Tararua District	17,400	3,800	1,266.7	78.9	1,551.0	64.5
Horowhenua District	31,400	5,800	1,450.0	69.0	1,856.0	53.9

TA areas	Total population	Population aged <15 years ^a	Population aged <15 years-to-dental therapist ratio ^{a, b}	Dental therapist per 100,000 population aged <15 ^b	Population aged <15 years-to-FTE-dental therapist ratio	FTE per 100,000 population aged <15
Kapiti Coast District	51,400	9,300	1,550.0	64.5	2,695.7	37.1
Porirua City	54,500	13,000	2,600.0	38.5	3,611.1	27.7
Upper Hutt City	42,000	8,500	1,700.0	58.8	2,085.9	47.9
Lower Hutt City	102,000	21,200	785.2	127.4	1,010.7	98.9
Wellington City	203,800	34,000	1,360.0	73.5	2,076.3	48.2
Masterton District	24,400	4,800	480.0	208.3	644.3	155.2
Carterton District	8,790	1,690	1,690.0	59.2	—	—
South Wairarapa District	10,000	1,900	—	—	—	—
Tasman District	49,500	9,400	1,342.9	74.5	1,740.7	57.4
Nelson City	49,900	9,000	1,285.7	77.8	1,730.8	57.8
Marlborough District	45,300	8,100	1,157.1	86.4	1,521.1	65.7
Kaikoura District	3,660	640	—	—	—	—
Buller District	10,350	1,850	1,850.0	54.1	1,850.0	54.1
Grey District	13,650	2,750	1,375.0	72.7	3,055.6	32.7
Westland District	8,720	1,570	1,570.0	63.7	1,570.0	63.7
Hurunui District	12,500	2,450	2,450.0	40.8	5,444.4	18.4
Waimakariri District	56,400	11,200	2,800.0	35.7	4,571.4	21.9
Christchurch City	367,800	63,600	1,272.0	78.6	1,836.8	54.4
Selwyn District	52,700	11,600	3,866.7	25.9	5,043.5	19.8
Ashburton District	33,200	6,800	2,266.7	44.1	2,666.7	37.5
Timaru District	46,200	8,200	1,366.7	73.2	1,640.0	61.0
Mackenzie District	4,440	860	—	—	—	—
Waimate District	7,870	1,480	—	—	—	—
Chatham Islands Territory	610	130	—	—	—	—
Waitaki District	21,900	4,100	1,025.0	97.6	1,223.9	81.7
Central Otago District	19,200	3,450	1,150.0	87.0	1,725.0	58.0
Queenstown-Lakes District	32,400	5,900	1,475.0	67.8	1,761.2	56.8
Dunedin City	125,800	19,900	523.7	191.0	671.7	148.9
Clutha District	17,400	3,500	1,166.7	85.7	1,250.0	80.0
Southland District	30,600	6,700	2,233.3	44.8	7,657.1	13.1
Gore District	12,450	2,450	490.0	204.1	497.5	201.0
Invercargill City	54,200	10,600	1,177.8	84.9	1,530.7	65.3
Missing/outside TA	80	180				
Total ^c	4,595,700	914,400	1,045.0	95.7	1,427.2	70.1

^a Population estimate as at 30 June 2015

^b Where hours are reported

^c Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 2-22. Population to practising dental therapists and FTE ratios by district health board (DHB), for 2012

	No with practising certificates	Total population ^a	Population aged <15 years	FTE dental therapists	Population aged <15 years-to-dental therapist ratio	Dental therapist per 100,000 population aged <15 years	Population aged <15 years-to-FTE-dental therapist ratio	FTE per 100,000 population aged <15 years
Northland	36	164,700	36,200	27.6	1,006	99.4	1,314.0	76.1
Waitemata	131	552,800	112,600	91.8	860	116.3	1,226.9	81.5
Auckland	64	460,500	84,000	42.4	1,313	76.2	1,983.5	50.4
Counties-Manukau	82	496,300	119,700	64.9	1,460	68.5	1,845.1	54.2
Waikato	63	377,900	81,900	48.6	1,300	76.9	1,686.9	59.3
Lakes	24	103,200	23,700	19.3	988	101.3	1,231.2	81.2
Bay of Plenty	42	215,000	45,800	34.4	1,090	91.7	1,330.4	75.2
Tairāwhiti	9	47,000	11,800	8.5	1,311	76.3	1,388.2	72.0
Hawke's Bay	30	113,800	24,000	22.3	800	125.0	1,075.0	93.0
Taranaki	22	158,500	34,800	17.4	1,582	63.2	2,002.9	49.9
Whanganui	24	62,300	13,100	15.0	546	183.2	871.9	114.7
MidCentral	32	168,900	34,400	22.7	1,075	93.0	1,518.8	65.8
Hutt	29	142,500	30,400	24.0	1,048	95.4	1,269.3	78.8
Capital and Coast	34	293,500	55,000	18.8	1,618	61.8	2,925.5	34.2
Wairarapa	8	42,400	8,500	4.6	1,063	94.1	1,857.9	53.8
Nelson-Marlborough	20	142,100	27,000	13.6	1,350	74.1	1,981.7	50.5
West Coast	5	33,000	6,300	4.2	1,260	79.4	1,491.1	67.1
Canterbury	58	503,700	94,100	40.3	1,622	61.6	2,337.9	42.8
South Canterbury	10	57,600	10,500	7.4	1,050	95.2	1,428.6	70.0
Southern ^b	68 [56]	306,400	56,100	42.5 [32.9]	825 [1,002]	121.2 [99.8]	1,319.2 [1,706.5]	75.8 [58.6]
Unknown	13			0.9				
Total	804	4,408,100	909,900	570.9	1,132	88.4	1,593.9	62.7

^a Population estimate as at 30 June 2012. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental therapists who reported the University of Otago as their primary employer
(Data sources: Workforce survey and Statistics New Zealand)

Table 2-23. Population to practising dental therapists and FTE ratios by DHB, for 2013

	No with practising certificates	Total population ^a	Population aged <15 years	FTE dental therapists	Population aged <15 years-to-dental therapist ratio	Dental therapist per 100,000 population aged <15 years	Population aged <15 years-to-FTE-dental therapist ratio	FTE per 100,000 population aged <15 years
Northland	36	164,700	36,400	25.5	1,011	98.9	1,427.5	70.1
Waitemata	136	552,800	113,100	96.6	832	120.2	1,171.1	85.4
Auckland	75	460,500	83,100	53.5	1,108	90.3	1,554.7	64.3
Counties-Manukau	85	496,300	119,200	68.6	1,402	71.3	1,738.9	57.5
Waikato	67	377,900	82,000	50.1	1,224	81.7	1,636.7	61.1
Lakes	24	103,200	23,400	17.4	975	102.6	1,346.8	74.3
Bay of Plenty	42	215,000	45,700	37.2	1,088	91.9	1,227.7	81.5
Tairāwhiti	8	47,000	11,700	7.9	1,463	68.4	1,481.0	67.5
Hawke's Bay	32	113,800	24,200	21.9	756	132.2	1,105.0	90.5
Taranaki	22	158,500	34,700	17.0	1,577	63.4	2,044.2	48.9
Whanganui	24	62,300	12,900	19.0	538	186.0	679.8	147.1
MidCentral	33	168,900	34,200	24.5	1,036	96.5	1,394.5	71.7
Hutt	27	142,500	30,000	20.5	1,111	90.0	1,463.4	68.3
Capital and Coast	40	293,500	55,000	30.0	1,375	72.7	1,834.9	54.5
Wairarapa	10	42,400	8,400	5.7	840	119.0	1,473.7	67.9
Nelson-Marlborough	21	142,100	26,900	14.3	1,281	78.1	1,877.8	53.3
West Coast	4	33,000	6,400	3.4	1,600	62.5	1,868.6	53.5
Canterbury	55	503,700	94,900	41.8	1,725	58.0	2,269.0	44.1
South Canterbury	8	57,600	10,600	4.9	1,325	75.5	2,163.3	46.2
Southern ^b	70 [61]	306,400	56,200	45.3 [37.5]	803 [921]	124.6 [108.5]	1,240.6 [1,499.7]	80.6 [66.7]
Unknown	1			—				
Total	820	4,442,100	909,000	605.0	1,109	90.2	1,502.5	66.6

^a Population estimate as at 30 June 2013. Due to rounding, individual figures may not always sum to the stated totals

^bData in square brackets for Southern DHB exclude dental therapists who reported the University of Otago as their primary employer
(Data sources: Workforce survey and Statistics New Zealand)

Table 2-24. Population to practising dental therapists and FTE ratios by DHB, for 2014

	No with practising certificates	Total population ^a	Population aged <15 years	FTE dental therapists	Population aged <15 years-to-dental therapist ratio	Dental therapist per 100,000 population aged <15 years	Population aged <15 years-to-FTE-dental therapist ratio	FTE per 100,000 population aged <15 years
Northland	38	166,000	36,200	28.8	953	105.0	1,259.1	79.4
Waitemata	136	562,600	113,800	102.3	837	119.5	1,112.4	89.9
Auckland	85	471,900	83,300	60.6	980	102.0	1,374.0	72.8
Counties-Manukau	91	509,200	120,700	68.1	1,326	75.4	1,773.7	56.4
Waikato	63	383,500	82,200	53.1	1,305	76.6	1,547.3	64.6
Lakes	27	103,600	23,200	20.3	859	116.4	1,141.5	87.6
Bay of Plenty	45	217,400	45,500	39.1	1,011	98.9	1,162.9	86.0
Tairāwhiti	9	47,100	11,600	6.9	1,289	77.6	1,681.2	59.5
Hawke's Bay	29	115,000	24,200	22.0	834	119.8	1,100.0	90.9
Taranaki	22	159,400	34,700	20.0	1,577	63.4	1,737.2	57.6
Whanganui	22	62,200	12,900	15.2	586	170.5	848.7	117.8
MidCentral	31	170,300	34,200	27.4	1,103	90.6	1,250.5	80.0
Hutt	27	143,400	29,900	21.5	1,107	90.3	1,393.9	71.7
Capital and Coast	39	296,700	54,600	30.0	1,400	71.4	1,820.0	54.9
Wairarapa	11	42,800	8,500	8.4	773	129.4	1,014.9	98.5
Nelson-Marlborough	21	143,100	26,800	15.4	1,276	78.4	1,743.1	57.4
West Coast	4	32,800	6,200	3.5	1,550	64.5	1,797.1	55.6
Canterbury	57	514,500	95,600	37.8	1,677	59.6	2,530.8	39.5
South Canterbury	7	58,100	10,600	5.8	1,514	66.0	1,819.7	55.0
Southern ^b	71 [63]	309,900	56,400	45.8 [39.3]	794 [895]	125.9 [111.7]	1,232.8 [1,434.2]	81.1 [69.7]
Unknown	6			0.9				
Total	841	4,509,700	911,100	632.6	1,083	92.3	1,440.2	69.4

^a Population estimate as at 30 June 2014. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental therapists who reported the University of Otago as their primary employer (Data sources: Workforce survey and Statistics New Zealand)

Table 2-25. Population to practising dental therapists, and FTE ratios by DHB, for 2015

	No with practising certificates	Total population ^a	Population aged <15 years	FTE dental therapists	Population aged <15 years-to-dental therapist ratio	Dental therapist per 100,000 population aged <15 years	Population aged <15 years-to-FTE-dental therapist ratio	FTE per 100,000 population aged <15 years
Northland	39	168,300	36,200	29.1	928	107.7	1,246.1	80.2
Waitemata	139	575,600	114,800	96.5	826	121.1	1,190.3	84.0
Auckland	99	490,000	84,000	69.5	848	117.9	1,209.5	82.7
Counties-Manukau	104	521,700	121,300	73.9	1,166	85.7	1,642.5	60.9
Waikato	62	390,600	82,900	45.7	1,337	74.8	1,814.0	55.1
Lakes	27	104,800	23,200	19.3	859	116.4	1,203.6	83.1
Bay of Plenty	42	221,500	45,900	42.6	1,093	91.5	1,078.7	92.7
Tairāwhiti	8	47,400	11,600	6.7	1,450	69.0	1,731.3	57.8
Hawke's Bay	32	115,900	24,200	21.9	756	132.2	1,106.3	90.4
Taranaki	24	160,500	34,500	17.2	1,438	69.6	2,011.7	49.7
Whanganui	21	62,600	12,900	17.4	614	162.8	742.4	134.7
MidCentral	32	172,100	34,100	26.2	1,066	93.8	1,302.8	76.8
Hutt	32	144,000	29,600	25.1	925	108.1	1,181.6	84.6
Capital and Coast	35	301,100	54,400	22.5	1,554	64.3	2,415.1	41.4
Wairarapa	11	43,200	8,500	7.5	773	129.4	1,140.9	87.6
Nelson-Marlborough	21	144,800	26,700	15.9	1,271	78.7	1,676.6	59.6
West Coast	4	32,700	6,100	2.9	1,525	65.6	2,103.4	47.5
Canterbury	61	526,100	96,300	42.4	1,579	63.3	2,272.6	44.0
South Canterbury	6	58,600	10,600	5.0	1,767	56.6	2,120.0	47.2
Southern ^b	69 [58]	314,000	56,400	53.9 [44.1]	817 [972]	122.3 [102.8]	1,047.4 [1,280.4]	95.5 [78.1]
Unknown	7			—				
Total	875	4,595,700	914,200	640.7	1,045	95.7	1,426.9	70.1

^a Population estimate as at 30 June 2015. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental therapists who reported the University of Otago as their primary employer
(Data sources: Workforce survey and Statistics New Zealand)

Table 2-26. Practising pattern, dental therapists who reported that they are not currently practising in New Zealand

Employment status		Females (%)	Males (%)	Total (%)
2013	Practising overseas	20 (38.5)	4 (80.0)	24 (42.1)
	Overseas and not practising	5 (9.6)	—	5 (8.8)
	In NZ but not practising	27 (51.9)	1 (20.0)	28 (49.1)
	Total not currently practising	52 (91.2)	5 (8.8)	57
	Practising status not stated	94	12	106
	Employment status of 'In NZ but not practising' group			
	Another health profession	9	—	9
	Non-health profession	—	1	1
	Full-time study	4	—	4
	Parental responsibilities	4	—	4
	Seeking work	8	—	8
	Retired	1	—	1
	Not reported	1	—	1
2014	Practising overseas	14 (29.2)	2 (66.7)	16 (31.4)
	Overseas and not practising	6 (12.5)	—	6 (11.8)
	In NZ but not practising	28 (58.3)	1 (33.3)	29 (56.9)
	Total not currently practising	48 (94.1)	3 (5.9)	51
	Practising status not stated	99	11	110
	Employment status of 'In NZ but not practising' group			
	Another health profession	10	—	10
	Non-health profession	1	—	1
	Full-time study	6	1	7
	Parental responsibilities	6	—	6
	Other unpaid work	1	—	1
	Seeking work	2	—	2
	Retired	1	—	1
	Not reported	1	—	1
2015	Practising overseas	16 (28.6)	4 (66.7)	20 (32.3)
	Overseas and not practising	7 (12.5)	—	7 (11.3)
	In NZ but not practising	33 (58.9)	2 (33.3)	35 (56.5)
	Total not currently practising	56 (90.3)	6 (9.7)	62
	Practising status not stated	120	11	131
	Employment status of 'In NZ but not practising' group			
	Another health profession	8	1	9
	Non-health profession	1	—	1
	Full-time study	18	1	19
	Parental responsibilities	5	—	5
	Seeking work	1	—	1

(Data source: Workforce survey)

Table 2-27. Postgraduate training undertaken by dental therapists

	Expected year of completion	Current APC (%)	No current APC (%)	Overall (%)
2013	2012	9 (32.1)	—	9 (26.5)
	2013	5 (17.9)	4 (66.7)	9 (26.5)
	2014	2 (7.1)	—	2 (5.9)
	2015	2 (7.1)	1 (16.7)	3 (8.8)
	Not stated/unsure	10 (35.7)	1 (16.7)	11 (32.4)
	Intend to practise in NZ?			
	Yes	26 (92.9)	3 (50.0)	29 (85.3)
	No	2 (7.1)	3 (50.0)	5 (14.7)
	Total in postgraduate training	28 (82.4)	6 (17.6)	34
2014	2013	6 (26.1)	4 (57.1)	10 (33.3)
	2014	3 (13.0)	—	3 (10.0)
	2015	3 (13.0)	1 (14.3)	4 (13.3)
	2016	2 (8.7)	—	2 (6.7)
	Not stated/unsure	9 (39.1)	2 (28.6)	11 (36.7)
	Intend to practise in NZ?			
	Yes	23 (100.0)	3 (42.9)	26 (86.7)
	No	—	4 (57.1)	4 (13.3)
	Total in postgraduate training	23 (76.7)	7 (23.3)	30
2015	2014	6 (30.0)	3 (33.3)	9 (31.0)
	2015	3 (15.0)	3 (33.3)	6 (20.7)
	2016	4 (20.0)	—	4 (13.8)
	Not stated/unsure	7 (35.0)	3 (33.3)	10 (34.5)
	Intend to practise in NZ?			
	Yes	18 (90.0)	4 (44.4)	22 (75.9)
	No	2 (10.0)	5 (55.6)	7 (24.1)
	Total in postgraduate training	20 (69.0)	9 (31.0)	29

(Data source: Workforce survey)

Table 2-28. Branch of dental practice in which postgraduate training being undertaken, based on 2015 data

Branch of dental practice	Students/Trainees
Public health	6
Education	5
PhD	4
Administration/Management	4
Dental therapy related	4
Nursing	2
Dentistry	1
Orthodontics	1
Māori health	1
Health sciences	1
Total	29

(Data source: Workforce survey)

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Section 3:

The dental hygienists and orthodontic auxiliaries workforce

Dental hygienists & orthodontic auxiliaries

2015
workforce
at a glance



735 practising

829 registered

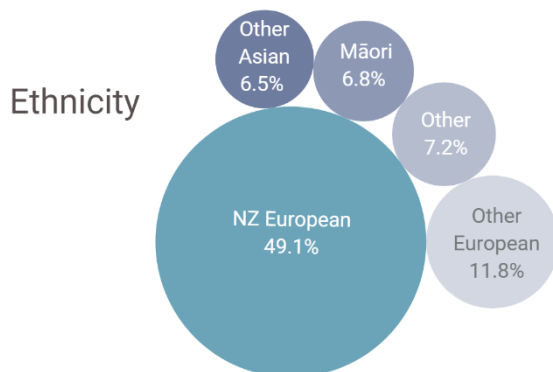
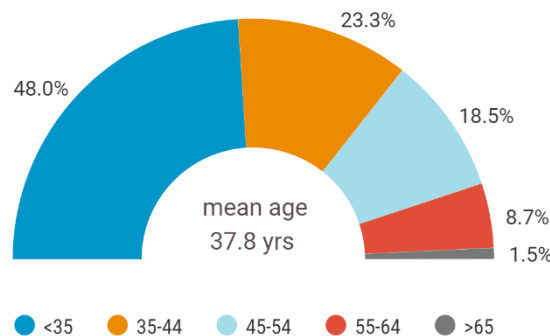
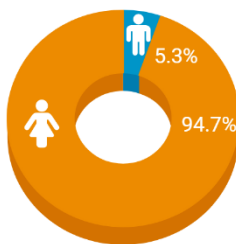


94 not practising

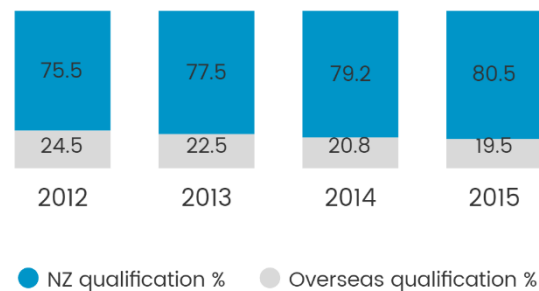
719 dental hygienists



110 orthodontic auxiliaries



Country of primary qualification



Primary employment

Self-employed 12.2%



3.3% solo practice



9.0% group practice

Employees 58.8%

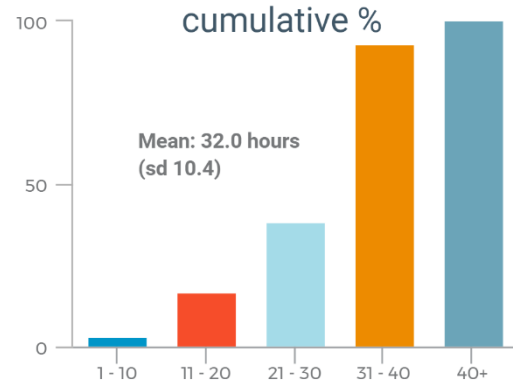


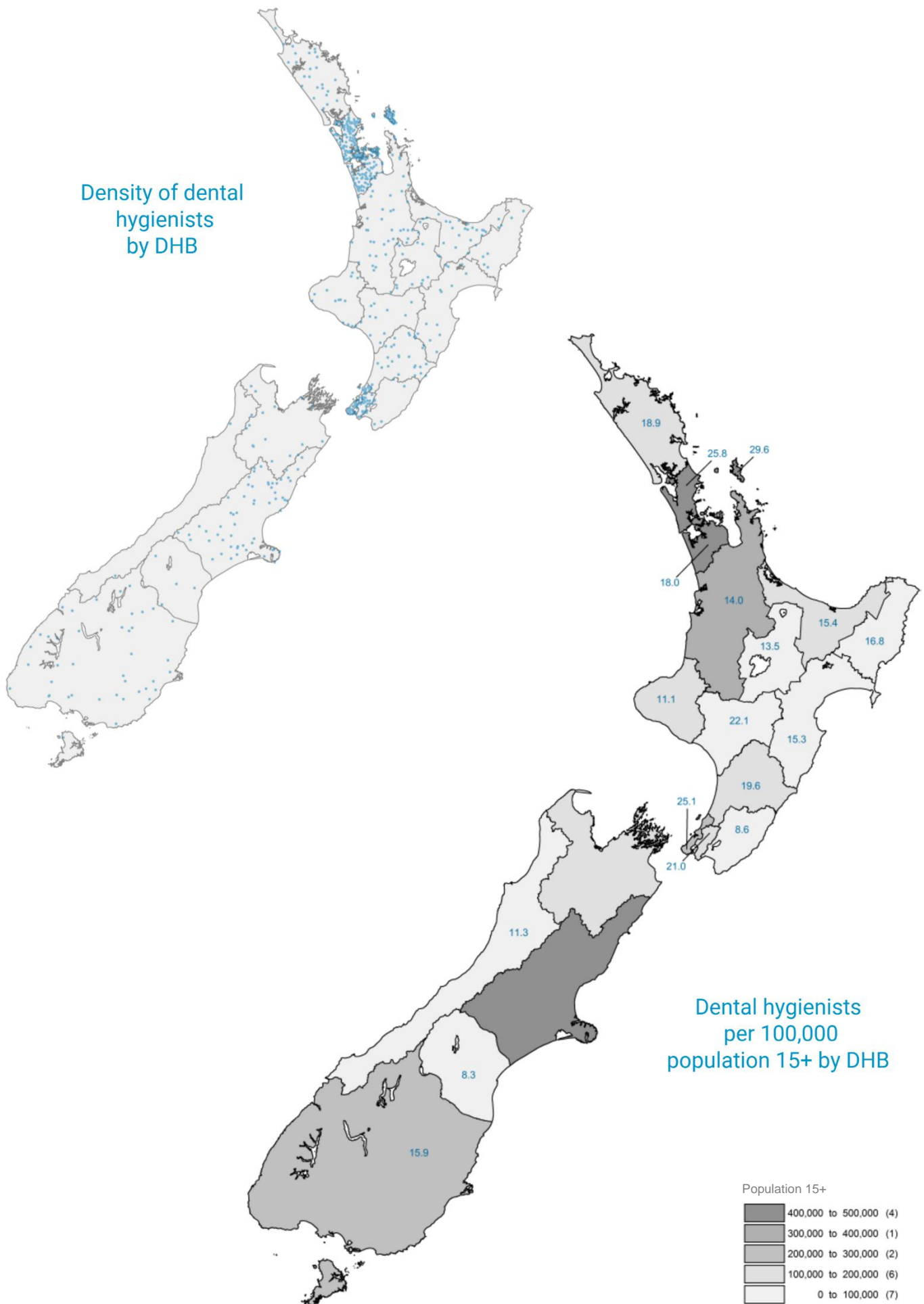
44.8% private practice



11.2% district health boards

Hours worked cumulative %





Executive summary dental hygienists and orthodontic auxiliaries

Number of dental hygienists and orthodontic auxiliaries

The total number of dental hygienists and orthodontic auxiliaries increase varied from 4.8 to 12.4% between 2012 to 2015, with the highest increase in 2014 of 12.4%. The most significant growth was in 2015 for dental hygienists with practising certificates at 10.4%. There was also a drop in orthodontic auxiliaries without practising certificates in 2013 of around 20%, followed by an increase of 75% the next year. Table 3-1

In 2015 there was a total of 829 dental hygienists and orthodontic auxiliaries on the register: an increase of 23.9% from 2012. A total of 88.7% of these practitioners held a practising certificate in 2015.

Table 3-1. Registered hygienists and orthodontic auxiliaries

	2012	% YoY	2013	% YoY	2014	% YoY	2015
Dental hygienists with practising certificates	495	7.5%	532	10.0%	585	10.4%	646
Orthodontic auxiliaries with practising certificates	98	-4.1%	94	4.3%	98	-9.2%	89
Dental hygienists without practising certificates	61	3.3%	63	33.3%	84	-13.1%	73
Orthodontic auxiliaries without practising certificates	15	-20.0%	12	75.0%	21	—	21
Total	669	4.8%	701	12.4%	788	5.2%	829

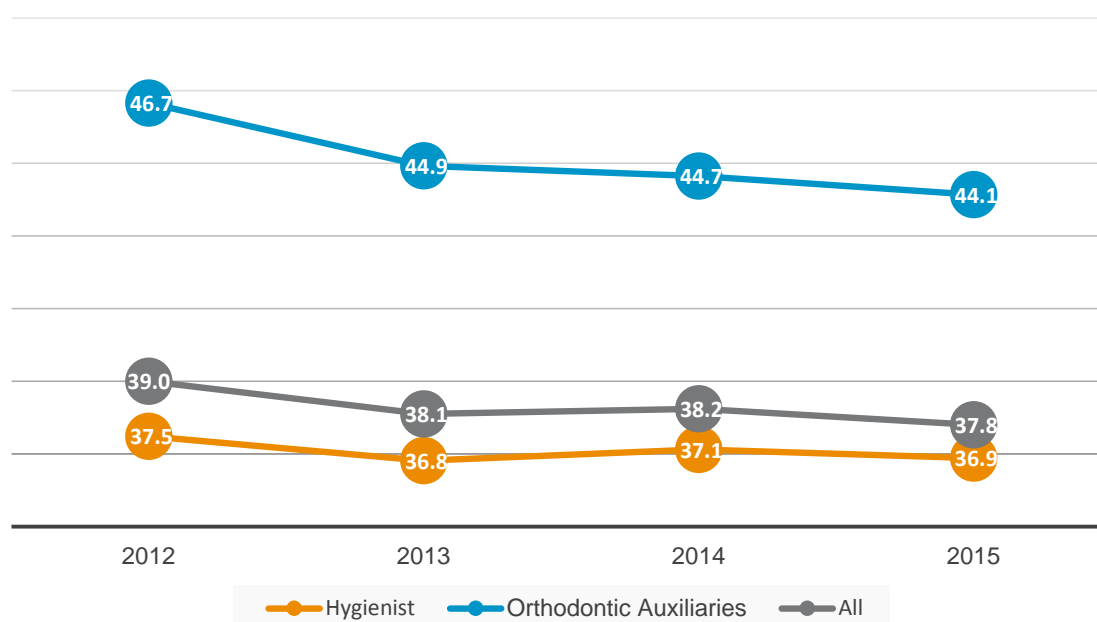
Demographics

The mean age for this group showed a slight decrease over the four years for practising dental hygienists and orthodontic auxiliaries indicating that the overall population is not aging as may be expected. The mean age for dental hygienists was 36.9, for orthodontic auxiliaries 44.1, and for the total group was 37.8 in 2015.

The mean age of orthodontic auxiliaries has dropped since 2012, most likely due to oral health graduates also registering as orthodontic auxiliaries (mean age moved from 46.7 to 44.1 in 2015). There was a slight decrease in the mean age of dental hygienists by just over half a year (0.6) over the same period.

Similar to dental therapy, this downward trend is expected to reverse once the oral health graduates register as oral health therapists from November 2017 onwards. With no dental hygiene qualification available in New Zealand, and small numbers of overseas dental hygienists entering the profession, limited to no growth in this profession is expected in the future. Figure 3-1

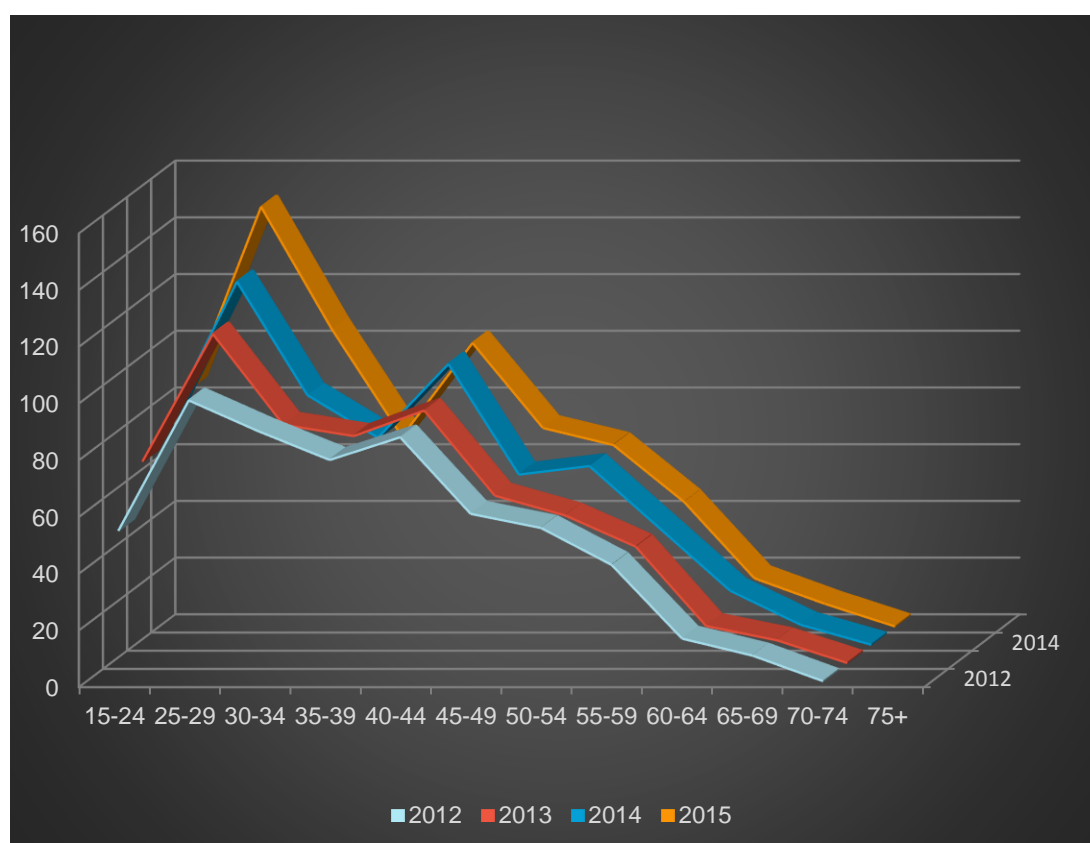
Figure 3-1. Mean age of dental hygienists and orthodontic auxiliaries



The age distribution showed increases in the earlier age groups, especially the 25-29 years band, reflecting increasing new entries of oral health graduates into the profession. There is also a sharp increase in numbers for the 40-44 age group, potentially reflecting dental hygienists resuming their practising career after a break to start and raise a family. The trend after age 50 is sharply downward, with most leaving the profession between ages 60-64: 11 practising dental therapists' remains in the over 65 age bands. Figure 3-2 & Table 3-4

With the imminent move of oral health graduates away from the dental hygiene profession, the age distribution for dental hygiene is expected to be more prominently skewed to the right in future.

Figure 3-2. Age distribution of practising dental hygienists and orthodontic auxiliaries



Males continued to increase marginally in proportion to females but are still a low proportion of the population (5.3% 2015). Table 3-5

The ethnicity reported by dental hygienists and orthodontic auxiliaries reflected the diversity of the profession. Showing relatively large increases from 2012 to 2015 were Fijian (0 to 13), Samoan (3 to 9: +200%), Other Pacific people (4 to 12: +200%), Indian (14 to 38: +171.4%), Chinese (21 to 38: +81%) and Other Asian (30 to 48: +60%). Table 3-6

Registration

Overseas qualified dental hygienists and orthodontic auxiliaries continued to decline in proportion from 24.5% (2012) to 19.5% (2015), but the actual numbers remained fairly stable over the 2012 to 2015 period (between 141 and 145).

Accordingly, the number of New Zealand qualified dental hygienists and orthodontic auxiliaries continued to increase from 448 (2012) to 592 (2015). This group made up 75.5% and 80.5% of practising dental hygienists and orthodontic auxiliaries, but represented a growth of 32.1%. South African dental qualified hygienists decreased by 25% (20 to 15), and United Kingdom qualified dental hygienists increased by 9% over the same period (44 to 48). Table 3-8 - Table 3-11

Based on 2015 data, close to 90% of the overseas qualified dental hygienists with a practising certificate had a prescribed qualification, or a qualification considered equivalent to the New Zealand prescribed qualifications. Entering on the basis of registration in Australia made up 9.2% of overseas registrations; with only two successful hygiene examination candidates with a practising certificate in 2015. Table 3-12

During 2012-2015 there had been an increase in the scope of practice registrations for all the previous "additional" scope of practice activities that now form part of the dental hygiene scope of

practice. Most significantly, there is almost double the number dental hygienists able to take extra-oral radiographs (98.0%) and to perform orthodontic procedures (95.7%). Other areas showed large increases: local anaesthetic (53.8%), intra-oral radiographs (41.5%). Table 3-13

Similarly, the capabilities to take intra- and extra-oral radiography by orthodontic auxiliaries had more than doubled (+130% and +111.4% respectively). Table 3-13

Similar to dental therapy, the increases are mostly driven by the oral health graduates entering the profession with these capabilities as part of their undergraduate education.

Practising characteristics

The reported type of primary employment shows a relatively large shift from self-employed to employees during 2013-2015. Self-employment decreased from 134 (21.4% 2013) down to 90 (12.2% 2015). The shift occurred largely in group practice, from 100 (16.0% 2013) down to 66 (9.0% 2015). Employees increased from 341 (54.5% 2013) to 432 (58.8% 2015), an increase of 26.7% in actual numbers. Most employees worked in private practice (44.8% 2015), followed by district health boards: up from 56 (8.9% 2013) to 82 (11.2% 2015). Table 3-14

Using a 40 hour work week as a norm, it was found that just over 90% of dental hygienists and orthodontic auxiliaries reported worked 40 hours or less per week and was fairly constant over the 2013-2015 period (92.9% in 2015). In 2015, the average number of hours of work per week reported was 32.0 (sd 10.4). Table 3-15

The dental hygienists and orthodontic auxiliaries with the highest mean hours of work were those in district health boards (DHBs) or the Ministry of Health as primary employer, varying from 32.6 to 36.0 hours per week between 2013 to 2015. There had been a slight decrease in the private practice self-employed mean hours of work in both primary (-2.7 hrs/week) and secondary (-1.3 hrs/week) employment environments from 2013 to 2015, with marginal increases in private practice employees' hours worked (0.7 hrs/week) over the same period. Table 3-17 - Table 3-19

Of the 288 reporting working part-time in 2015, just over a third reported personal choice as the reason (36.5%), followed closely by parental responsibilities (33.7%). Table 3-16

Of the 101 dental hygienists reporting not practising in New Zealand during 2015, 34 were practising overseas (33.7%), 12 were overseas but not practising (11.9%), and 55 were in New Zealand but not practising (54.5%). Of the latter group, almost half (21) indicated the reason being full-time study, followed by 15 who reported parental responsibilities as the reason. Table 3-32

Geographical distribution

The analysis of territorial authorities (TAs) shows very similar patterns over the years. The most significant shift was the number of full time equivalents (FTE) reported in Auckland, up from 135.5 (2012) to 172.9 (2015). However, there were still a number of TAs where no dental hygiene and orthodontic auxiliary practice was reported. The following districts had no dental hygiene related hours reported throughout the period 2012-2015: Kaipara, Kawerau, Opotiki, Wairoa, Stratford, Tararua, South Wairarapa, Kaikoura, Buller, Westland, Hurunui, Waimakariri, Mackenzie, Waimate, Chatham Island Islands and Southland. Table 3-21 - Table 3-26

Comparing DHBs shows that there is an overall improvement in FTE per 100,000 population aged 15+ ratios year-on-year, up from 9.4 (2012) to 11.4 (2015). However, there were a number of exceptions on an individual DHB level. Hawkes Bay is down from 8.9 (2012) to 7.4 FTE per 100,000 population aged 15+ (2015). The West Coast is down from 8.3 to 5.3 FTE per 100,000 population aged 15+ (2012-2015). The biggest reported improvement is in Tairāwhiti, up from 5.8 (2012) to 12.8

(2015): an increase of 7 FTE per 100,000 population aged 15+. This is followed by Wairarapa with an increase of 5.1 FTE per 100,000 population aged 15+ (up from 2.2 to 7.3 in 2012- 2015). Table 3-27 - Table 3-31

Postgraduate studies

Of the 14 who indicated they were undertaking postgraduate studies in the 2015 workforce survey, the most prominent areas of study were education and public health (3 respondents each), followed closely by administration and management (2). Of those studying, 85.7% indicated that they would continue practising in New Zealand after finishing their studies. Table 3-33 & Table 3-34

Workforce survey response rates

The survey response rates for dental hygienists and orthodontic auxiliaries remained fairly constant around 77%. The lowest response rate was in 2012 and highest in 2013. Table 3-2

Table 3-2. Dental hygienists and orthodontic auxiliaries survey responses

Year	Response rate
2012	77.0%
2013	83.5%
2014	77.8%
2015	77.7%

Dental hygienists and orthodontic auxiliaries workforce data tables

Table 3-3. Number of dental hygienists and orthodontic auxiliaries with practising certificates, by workforce reporting year

Report year	Total	Female (%)	Male (%)	% overseas graduates
2007	414	405 (97.8)	9 (2.2)	— ^a
2008	371	363 (97.8)	8 (2.2)	—
2009	378	368 (97.4)	10 (2.6)	—
2010/11 ^b	502	483 (96.2)	19 (3.8)	—
2011/12	593	565 (95.3)	28 (4.7)	24.5
2012/13	626	596 (95.2)	30 (4.8)	22.5
2013/14	683	645 (94.4)	38 (5.6)	20.8
2014/15	735	696 (94.7)	39 (5.3)	19.5

^a Data not available from historic reports

^b Dental hygiene data include dental hygienists, dental auxiliaries (also known as dental assistants/chairside assistants) and orthodontic auxiliaries until September 2009, when the dental auxiliaries scope of practice was closed—some dental auxiliary practitioners retained limited dental hygiene registration.

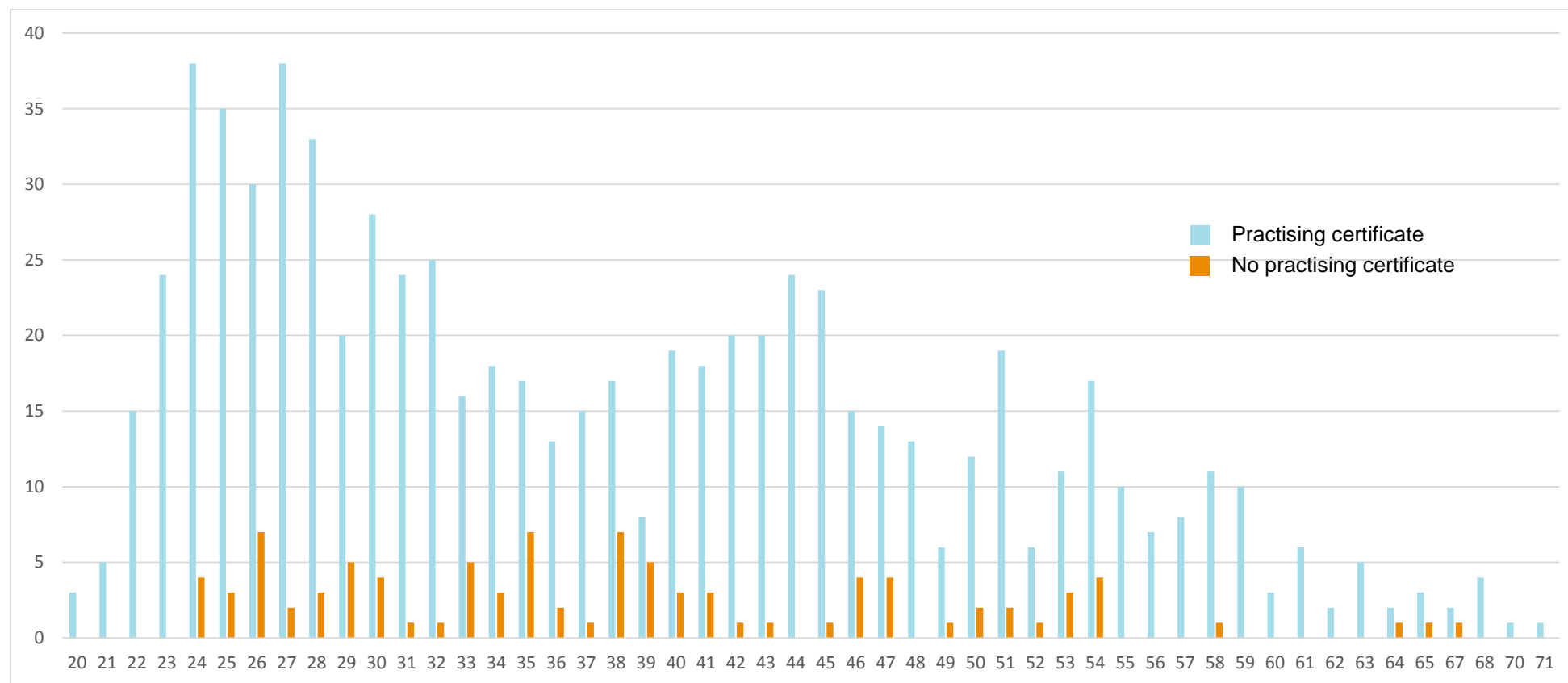
(Data sources: Dental register & previous workforce reports)

Table 3-4. Age of dental hygienists and orthodontic auxiliaries by practising certificate status, as at 31 March 2015

Age bands	Practising certificate (%)	No practising certificate (%)
15 - 24	86 (11.7)	4 (4.3)
25 - 29	156 (21.2)	20 (21.3)
30 - 34	111 (15.1)	14 (14.9)
35 - 39	70 (9.5)	22 (23.4)
40 - 44	101 (13.7)	8 (8.5)
45 - 49	71 (9.7)	10 (10.6)
50 - 54	65 (8.8)	12 (12.8)
55 - 59	46 (6.3)	1 (1.1)
60 - 64	18 (2.4)	1 (1.1)
65 - 69	9 (1.2)	2 (2.1)
70 - 74	2 (0.3)	—
75+	—	—
Total	735	94

(Data source: Dental register)

Figure 3-3. Age of dental hygienists and orthodontic auxiliaries by practising certificate status, as at 31 March 2015



(Data source: Dental register)

Figure 3-4. Age of registered dental hygienists and orthodontic auxiliaries by gender, as at 31 March 2015

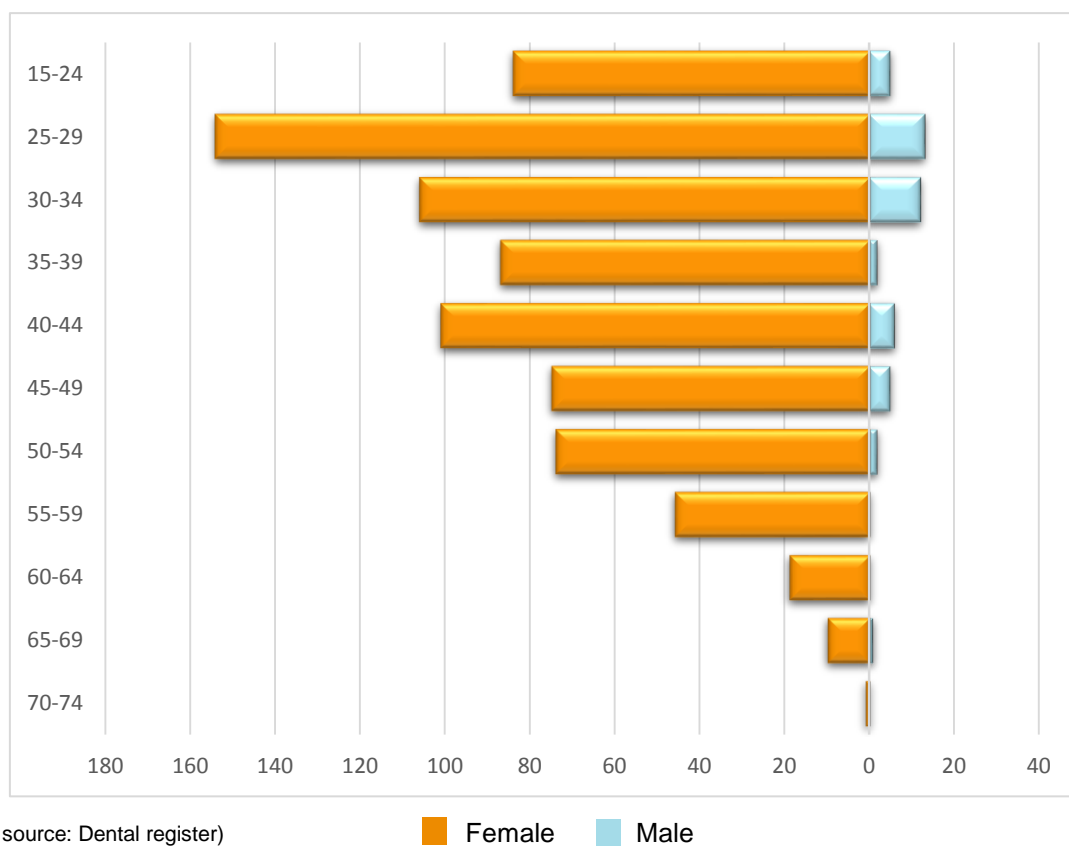


Table 3-5. Gender of dental hygienists and orthodontic auxiliaries by practising certificate status

	Gender	Practising certificate (%)	No practising certificate (%)	Total (%)
2012	Female	565 (95.3)	69 (90.8)	634 (94.8)
	Male	28 (4.7)	7 (9.2)	35 (5.2)
	Total	593 (88.6)	76 (11.4)	669
2013	Female	596 (95.2)	68 (90.7)	664 (94.7)
	Male	30 (4.8)	7 (9.3)	37 (5.3)
	Total	626 (89.3)	75 (10.7)	701
2014	Female	645 (94.4)	95 (90.5)	740 (93.9)
	Male	38 (5.6)	10 (9.5)	48 (6.1)
	Total	683 (86.7)	105 (13.3)	788
2015	Female	696 (94.7)	85 (90.4)	781 (94.2)
	Male	39 (5.3)	9 (9.6)	48 (5.8)
	Total	735 (88.7)	94 (11.3)	829

(Data source: Dental register)

Table 3-6. Self-identified ethnicity by practising dental hygienists and orthodontic auxiliaries

Ethnicity	2012 ^b	2013	2014	2015
NZ European	296 (49.9)	313 (50.0)	333 (48.8)	361 (49.1)
Māori	28 (4.7)	31 (5.0)	37 (5.4)	50 (6.8)
Other European	59 (9.9)	64 (10.2)	66 (9.7)	87 (11.8)
Samoan	3 (0.5)	4 (0.6)	6 (0.9)	9 (1.2)
Tongan	—	—	1 (0.1)	1 (0.1)
Niuean	—	—	—	3 (0.4)
Fijian	—	5 (0.8)	7 (1.0)	13 (1.8)
Other Pacific Peoples	4 (0.7)	7 (1.1)	6 (0.9)	12 (1.6)
Chinese	21 (3.5)	25 (4.0)	30 (4.4)	38 (5.2)
Other East Asian	9 (1.5)	11 (1.8)	11 (1.6)	12 (1.6)
Indian	14 (2.4)	27 (4.3)	27 (4.0)	38 (5.2)
Other Asian	30 (5.1)	32 (5.1)	33 (4.8)	48 (6.5)
Other	45 (7.6)	49 (7.8)	54 (7.9)	53 (7.2)
No response to question	114 (19.2)	106 (16.9)	121 (17.7)	87 (11.8)
Total ^a	623	674	732	812
Total selecting an 'Other' group	147	163	170	212
Total dental hygienists and orthodontic auxiliaries	593	626	683	735

^a Total is greater than number of dental hygienists and orthodontic auxiliaries due to self-identification of multiple ethnicities.

^b Denominator used for percentage values is total practising dental hygienists and orthodontic auxiliaries.

(Data sources: Dental register and workforce survey)

Table 3-7. Self-identification of 'other' ethnicity by dental hygienists and orthodontic auxiliaries, by geographical area based on 2015 data

Africa		United Kingdom		Asia	
African	3	British/UK	20	Cambodian New Zealand	1
Egyptian	2	British Irish	1	Japanese	5
South African	19	British Italian	1	Japanese Canadian	1
South African European	1	British Jamaican	1	Korean	9
Somali	1	English	5	Malaysian	1
Zimbabwe	1	English European	1	Pilipino/Filipino	15
		European/ Native American	1	Punjab	1
		Scottish	3	Filipino Canadian	2
		White British	1	South Korea	6
				Sri Lanka	3
Americas		Other European		Taiwanese	6
American	5	Dutch	1	Thai	1
American Caucasian	1	Dutch Chilean	2	Vietnamese	1
American of European Descent	1	German	1	Other Asian	1
Bahamian	1	Irish	4		
Canadian	13	Finnish	1	New Zealand	
North American	1	French	1	New Zealand	1
USA	1	Macedonia	1		
USA/European/American Indian	2	Romanian	1		
White American	1	Russian	4	Other Oceania	
		Serbian	1	Australian	2
Middle East		Serbo Croatian	1	Australian Aboriginal	1
Afghanistan	3	Swedish	2	Australian European	1
Arabic Kurdish	1	Swiss	2	Fijian Indian	1
Iranian	3			Kiribati	1
Iraqi	1			Rotuman	1
Middle Eastern	4			Cook Island	3
Pakistani	3				
Other					
Unknown	24				

(Data sources: Workforce survey)

Table 3-8. Country of primary qualification for practising dental hygienists and orthodontic auxiliaries, for 2012

Country of qualification	Dental hygienists (Row %)	Orthodontic auxiliaries (Row %)	Total (Column %)
New Zealand	370 (82.6)	78 (17.4)	448 (75.5)
Overseas	125 (86.2)	20 (13.8)	145 (24.5)
Total	495 (83.5)	98 (16.5)	593
Breakdown of overseas qualifications			
	(Column %) ^a	(Column %)	(Column %)
Australia	3 (0.6)	2 (2.0)	5 (0.8)
Bulgaria	—	1 (1.0)	1 (0.2)
Canada	25 (5.1)	—	25 (4.2)
China	1 (0.2)	—	1 (0.2)
Egypt	—	1 (1.0)	1 (0.2)
Fiji	1 (0.2)	—	1 (0.2)
Hong Kong	2 (0.4)	1 (1.0)	3 (0.5)
India	—	2 (2.0)	2 (0.3)
Ireland	1 (0.2)	—	1 (0.2)
Japan	4 (0.8)	—	4 (0.7)
Mexico	—	1 (1.0)	1 (0.2)
Netherlands	1 (0.2)	1 (1.0)	2 (0.3)
Philippines	5 (1.0)	5 (5.1)	10 (1.7)
Russia	1 (0.2)	1 (1.0)	2 (0.3)
Samoa	1 (0.2)	—	1 (0.2)
South Africa	20 (4.0)	—	20 (3.4)
Sri Lanka	1 (0.2)	—	1 (0.2)
Sweden	1 (0.2)	—	1 (0.2)
Switzerland	1 (0.2)	1 (1.0)	2 (0.3)
United Kingdom	43 (8.7)	1 (1.0)	44 (7.4)
USA	14 (2.8)	3 (3.1)	17 (2.9)

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 3-9. Country of primary qualification for practising dental hygienists and orthodontic auxiliaries, for 2013

Country of qualification	Dental hygienists (Row %)	Orthodontic auxiliaries (Row %)	Total (Column %)
New Zealand	407 (83.9)	78 (16.1)	485 (77.5)
Overseas	125 (88.7)	16 (11.3)	141 (22.5)
Total	532 (85.0)	94 (15.0)	626
Breakdown of overseas qualifications			
	(Column) ^a	(Column)	(Column)
Australia	5 (0.9)	1 (1.1)	6 (1.0)
Bulgaria	—	1 (1.1)	1 (0.2)
Canada	21 (3.9)	—	21 (3.4)
China	1 (0.2)	—	1 (0.2)
Egypt	—	1 (1.1)	1 (0.2)
Fiji	2 (0.4)	—	2 (0.3)
Hong Kong	1 (0.2)	1 (1.1)	2 (0.3)
India	1 (0.2)	1 (1.1)	2 (0.3)
Ireland	1 (0.2)	—	1 (0.2)
Japan	4 (0.8)	—	4 (0.6)
Mexico	—	1 (1.1)	1 (0.2)
Netherlands	—	1 (1.1)	1 (0.2)
Philippines	5 (0.9)	4 (4.3)	9 (1.4)
Russia	1 (0.2)	1 (1.1)	2 (0.3)
Samoa	1 (0.2)	—	1 (0.2)
South Africa	17 (3.2)	—	17 (2.7)
Sri Lanka	1 (0.2)	—	1 (0.2)
Sweden	1 (0.2)	—	1 (0.2)
Switzerland	1 (0.2)	1 (1.1)	2 (0.3)
United Kingdom	48 (9.0)	1 (1.1)	49 (7.8)
USA	14 (2.6)	2 (2.1)	16 (2.6)

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 3-10. Country of primary qualifications for practising dental hygienists and orthodontic auxiliaries, for 2014

Country of qualification	Dental hygienists (Row %)	Orthodontic auxiliaries (Row %)	Total (Column %)
New Zealand	458 (84.7)	83 (15.3)	541 (79.2)
Overseas	127 (89.4)	15 (10.6)	142 (20.8)
Total	585 (85.7)	98 (14.3)	683
Breakdown of overseas qualifications			
	(Column) ^a	(Column)	(Column)
Australia	5 (0.9)	1 (1.0)	6 (0.9)
Bulgaria	—	1 (1.0)	1 (0.1)
Canada	20 (3.4)	—	20 (2.9)
China	1 (0.2)	—	1 (0.1)
Egypt	—	1 (1.0)	1 (0.1)
Fiji	3 (0.5)	—	3 (0.4)
Hong Kong	1 (0.2)	1 (1.0)	2 (0.3)
India	2 (0.3)	1 (1.0)	3 (0.4)
Ireland	1 (0.2)	—	1 (0.1)
Japan	4 (0.7)	—	4 (0.6)
Mexico	—	1 (1.0)	1 (0.1)
Philippines	5 (0.9)	4 (4.1)	9 (1.3)
Russia	—	1 (1.0)	1 (0.1)
Samoa	1 (0.2)	—	1 (0.1)
South Africa	16 (2.7)	—	16 (2.3)
Sri Lanka	1 (0.2)	—	1 (0.1)
Sweden	1 (0.2)	—	1 (0.1)
Switzerland	1 (0.2)	1 (1.0)	2 (0.3)
United Kingdom	51 (8.7)	1 (1.0)	52 (7.6)
USA	14 (2.4)	2 (2.0)	16 (2.3)

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 3-11. Country of primary qualifications for practising dental hygienists and orthodontic auxiliaries, for 2015

Country of qualification	Dental hygienists (Row %)	Orthodontic auxiliaries (Row %)	Total (Column %)
New Zealand	515 (87.0)	77 (13.0)	592 (80.5)
Overseas	131 (91.6)	12 (8.4)	143 (19.5)
Total	646 (87.9)	89 (12.1)	735
Breakdown of overseas qualifications			
	(Column %) ^a	(Column %)	(Column %)
Australia	6 (0.9)	1 (1.1)	7 (1.0)
Bulgaria	—	1 (1.1)	1 (0.1)
Canada	24 (3.7)	—	24 (3.3)
China	1 (0.2)	—	1 (0.1)
Columbia	—	1 (1.1)	1 (0.1)
Egypt	—	1 (1.1)	1 (0.1)
Fiji	3 (0.5)	—	3 (0.4)
Hong Kong	1 (0.2)	1 (1.1)	2 (0.3)
India	3 (0.5)	—	3 (0.4)
Ireland	1 (0.2)	—	1 (0.1)
Japan	4 (0.6)	—	4 (0.5)
Philippines	6 (0.9)	4 (4.5)	10 (1.4)
Russia	1 (0.2)	1 (1.1)	2 (0.3)
Samoa	1 (0.2)	—	1 (0.1)
South Africa	15 (2.3)	—	15 (2.0)
Sri Lanka	1 (0.2)	—	1 (0.1)
Sweden	1 (0.2)	—	1 (0.1)
Switzerland	1 (0.2)	1 (1.1)	2 (0.3)
United Kingdom	47 (7.3)	1 (1.1)	48 (6.5)
USA	15 (2.3)	—	15 (2.0)

^a Percentages calculated from totals inclusive of New Zealand qualifications
(Data source: Dental register)

Table 3-12. Overseas qualified dental hygienists with practising certificates—type of registration pathway by year of first New Zealand registration, as at 31 March 2015

Year of first registration in New Zealand	NZDHREX (%)	Prescribed qualification or equivalency assessed (%)	Trans-Tasman Mutual Recognition (%)
1966 - 1970	—	—	—
1971 - 1975	—	—	—
1976 - 1980	—	—	—
1981 - 1985	—	—	—
1986 - 1990	—	—	—
1991 - 1995	—	—	—
1996	—	—	—
1997	—	—	—
1998	—	—	—
1999	—	—	—
2000	—	—	—
2001	—	—	—
2002	—	—	—
2003	—	—	—
2004	—	48 (41.0)	1 (8.3)
2005	—	5 (4.3)	2 (16.7)
2006	—	8 (6.8)	—
2007	—	11 (9.4)	—
2008	—	3 (2.6)	1 (8.3)
2009	—	9 (7.7)	—
2010	—	3 (2.6)	1 (8.3)
2011	—	4 (3.4)	2 (16.7)
2012	1 (50.0)	6 (5.1)	1 (8.3)
2013	—	7 (6.0)	—
2014	1 (50.0)	9 (7.7)	3 (25.0)
2015	—	4 (3.4)	1 (8.3)
Total	2	117	12

Note: NZDHREX = New Zealand Dental Hygiene Registration Examination
(Data source: Dental register)

Table 3-13. Scope of practice registrations, including previous “additional” scope of practice activities ^a

	Scope of practice activities	Total
2012	Dental hygienists	
	Dental hygiene practice	556
	Intra-oral radiography in dental hygiene practice	398
	Extra-oral radiography in dental hygiene practice	195
	Local anaesthetic in dental hygiene practice	329
	Orthodontic procedures in dental hygiene practice	208
	Orthodontic auxiliaries	
	Orthodontic Auxiliary Practice	113
	Intra-oral radiography in orthodontic auxiliary practice	30
	Extra-oral radiography in orthodontic auxiliary practice	35
2013	Dental hygienists	
	Dental hygiene practice	595
	Intra-oral radiography in dental hygiene practice	446
	Extra-oral radiography in dental hygiene practice	257
	Local anaesthetic in dental hygiene practice	380
	Orthodontic procedures in dental hygiene practice	282
	Orthodontic auxiliaries	
	Orthodontic auxiliary Practice	106
	Intra-oral radiography in orthodontic auxiliary practice	60
	Extra-oral radiography in orthodontic auxiliary practice	64
2014	Dental hygienists	
	Dental hygiene practice	669
	Intra-oral radiography in dental hygiene practice	513
	Extra-oral radiography in dental hygiene practice	324
	Local anaesthetic in dental hygiene practice	453
	Orthodontic procedures in dental hygiene practice	344
	Orthodontic auxiliaries	
	Orthodontic auxiliary Practice	119
	Intra-oral radiography in orthodontic auxiliary practice	72
	Extra-oral radiography in orthodontic auxiliary practice	76

	Scope of practice activities	Total
2015	Dental hygienists	
	Dental hygiene practice	719
	Intra-oral radiography in dental hygiene practice	563
	Extra-oral radiography in dental hygiene practice	386
	Local anaesthetic in dental hygiene practice	506
	Orthodontic procedures in dental hygiene practice	407
	Orthodontic auxiliaries	
	Orthodontic auxiliary Practice	110
	Intra-oral radiography in orthodontic auxiliary practice	69
	Extra-oral radiography in orthodontic auxiliary practice	74

^a The above indented scope activities were registered as "additional" scopes of practices until March 2011, where after these activities were considered part of the dental hygiene and orthodontic auxiliary scopes of practice, and merged into the general scopes. The above reflects the levels of capabilities in these clinical areas.

(Data source: Dental register)

Table 3-14. Type of primary employment of practising dental hygienists and orthodontic auxiliaries ^a

	Number (%)	Total %
2013	Self-employed	
	Solo practice	34 (25.4) 5.4
	Group practice	100 (74.6) 16.0
	Subtotal	134 21.4
	Employee	
	Private practice	265 (77.7) 42.3
	DHB	56 (16.4) 8.9
	Universities	8 (2.3) 1.3
	Government Department, not MOH	10 (2.9) 1.6
	Iwi	2 (0.6) 0.3
	Ministry of Health	— —
	Subtotal	341 54.5
	Other forms of employment	4 0.6
2014	No reply to question	147 23.5
	Total	626
	Self-employed	
	Solo practice	28 (32.2) 4.1
	Group practice	59 (67.8) 8.6
	Subtotal	87 12.7
	Employee	
	Private practice	341 (79.5) 49.9
	DHB	69 (16.1) 10.1
	Universities	10 (2.3) 1.5
	Government Department, not MOH	8 (1.9) 1.2
	Iwi	1 (0.2) 0.1
	Ministry of Health	— —
	Subtotal	429 62.8
	Other forms of employment	
	No reply to question	167 24.5
	Total	683

	Number (%)	Total %
2015		
Self-employed		
Solo practice	24 (26.7)	3.3
Group practice	66 (73.3)	9.0
Subtotal	90	12.2
Employee		
Private practice	329 (76.2)	44.8
DHB	82 (19.0)	11.2
Universities	12 (2.8)	1.6
Government Department, not MOH	7 (1.6)	1.0
Iwi	2 (0.5)	0.3
Ministry of Health	—	—
Subtotal	432	58.8
Other forms of employment	4	0.5
No reply to question	209	28.4
Total	735	

^a Only the data captured against the dental hygiene workforce survey were included in the analysis for oral health graduates registered in both the dental hygiene and dental therapy scopes of practice. However, there might be some overlap in data reported between the two scopes of practice.

(Data source: Workforce survey)

Table 3-15. Total number of hours worked per week by dental hygienists and orthodontic auxiliaries practising in New Zealand

	Number of hours worked	Dental hygienists (%)	Orthodontic auxiliaries (%)	Total (%)
2013	1 to 10	15 (3.7)	6 (7.5)	21 (4.3)
	11 to 20	56 (13.8)	11 (13.8)	67 (13.8)
	21 to 30	86 (21.2)	20 (25.0)	106 (21.8)
	31 to 40	221 (54.4)	41 (51.3)	262 (53.9)
	41 to 50	16 (3.9)	2 (2.5)	18 (3.7)
	51 to 60	5 (1.2)	—	5 (1.0)
	More than 60	7 (1.7)	—	7 (1.4)
	Number giving data on hours	406	80	486
	Mean no. of hours/week (SD)	31.6 (11.6)	32.0 (10.2)	31.6 (11.4)
	No response or excluded	126	14	140
	Total	532	94	626
2014	1 to 10	14 (3.2)	4 (5.2)	18 (3.5)
	11 to 20	60 (13.7)	11 (14.3)	71 (13.8)
	21 to 30	109 (24.9)	15 (19.5)	124 (24.1)
	31 to 40	222 (50.7)	45 (58.4)	267 (51.8)
	41 to 50	25 (5.7)	2 (2.6)	27 (5.2)
	51 to 60	3 (0.7)	—	3 (0.6)
	More than 60	5 (1.1)	—	5 (1.0)
	Number giving data on hours	438	77	515
	Mean no. of hours/week (SD)	31.5 (10.5)	33.6 (9.7)	31.8 (10.4)
	No response or excluded	147	21	168
	Total	585	98	683
2015	1 to 10	16 (3.5)	1 (1.5)	17 (3.2)
	11 to 20	64 (13.9)	7 (10.3)	71 (13.4)
	21 to 30	98 (21.3)	17 (25.0)	115 (21.8)
	31 to 40	246 (53.5)	42 (61.8)	288 (54.5)
	41 to 50	29 (6.3)	1 (1.5)	30 (5.7)
	51 to 60	3 (0.7)	—	3 (0.6)
	More than 60	4 (0.9)	—	4 (0.8)
	Number giving data on hours	460	68	528
	Mean no. of hours/week (SD)	31.7 (10.6)	34.5 (8.7)	32.0 (10.4)
	No response or excluded	186	21	207
	Total	646	89	735

(Data source: Workforce survey)

Table 3-16. Reasons for part-time practice by dental hygienists and orthodontic auxiliaries practising in New Zealand

	Reason for practising part-time	Females (%)	Males (%)	Total (%)
2013	Engaged in non-dental work	9 (3.5)	—	9 (3.4)
	Insufficient dental work	36 (14.1)	2 (28.6)	38 (14.5)
	Seeking dental work	5 (2.0)	2 (28.6)	7 (2.7)
	Semi-retired	1 (0.4)	—	1 (0.4)
	Parental responsibilities	98 (38.4)	—	98 (37.4)
	Personal choice	82 (32.2)	1 (14.3)	83 (31.7)
	Other	24 (9.4)	2 (28.6)	26 (9.9)
	Total working part time	255	7	262
2014	Engaged in non-dental work	7 (2.6)	—	7 (2.6)
	Insufficient dental work	43 (16.0)	2 (40.0)	45 (16.4)
	Seeking dental work	5 (1.9)	—	5 (1.8)
	Semi-retired	2 (0.7)	—	2 (0.7)
	Parental responsibilities	99 (36.8)	—	99 (36.1)
	Personal choice	84 (31.2)	3 (60.0)	87 (31.8)
	Other	29 (10.8)	—	29 (10.6)
	Total working part time	269	5	274
2015	Engaged in non-dental work	9 (3.2)	—	9 (3.1)
	Insufficient dental work	42 (14.8)	2 (40.0)	44 (15.3)
	Seeking dental work	4 (1.4)	—	4 (1.4)
	Semi-retired	2 (0.7)	1 (20.0)	3 (1.0)
	Parental responsibilities	97 (34.3)	—	97 (33.7)
	Personal choice	105 (37.1)	—	105 (36.5)
	Other (see below)	24 (8.5)	2 (40.0)	26 (9.0)
	Total working part time	283	5	288

Reasons offered by the 26 who selected 'other' reasons for practising part-time, based on the 2015 data (number):

- Locum/part-time position/contract hours offered (9)
- Studying (8)
- Also practising dental therapy (5)
- Health problems (2)
- Not enough dental work (1)
- Other/Unknown (1)

(Data source: Workforce survey)

Table 3-17. Work by practice and employment type for dental hygienists and orthodontic auxiliaries, by primary and secondary employer for 2013

	Dental hygiene		Orthodontic auxiliary		Teaching ^a		Administration ^a		Overall ^c		
	No. ^b	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No. not reported
Primary employer											
Private practice (self-emp)	109	25.4 (9.5)	15	26.5 (11.2)	—	—	3	16.7 (10.9)	132	27.5 (9.3)	1
Private practice (employee)	181	24.5 (10.2)	59	26.9 (11.2)	1	9.0	1	32.0	263	27.6 (11.1)	2
DHB or MOH	10	14.3 (10.3)	—	—	—	—	—	—	55	32.6 (9.5)	1
Universities	5	15.4 (5.5)	—	—	6	25.5 (9.8)	—	—	7	32.9 (13.7)	1
Other	13	28.6 (12.5)	—	—	1	40.0	1	40.0	16	37.8 (13.1)	
Total number	318		74		8		5		473		5
Secondary employer											
Private practice (self-emp)	27	10.7 (4.5)	—	—	—	—	—	—	29	11.6 (6.0)	2
Private practice (employee)	28	10.8 (5.3)	2	10.0 (2.0)	—	—	—	—	36	10.3 (5.2)	7
DHB or MOH		9.0 (1.0)	1	8.0	—	—	—	—	4	12.5 (6.7)	1
Universities		5.5 (2.5)	—	—	2	12.0 (4.0)	—	—	3	12.7 (3.4)	—
Other			—	—	—	—	—	—	—	—	—
Total number	59		3		2				72		10

^a Where specifically employed to do so

^b Practitioners reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Totals of columns may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = District health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 3-18. Work by practice and employment type for dental hygienists and orthodontic auxiliaries, by primary and secondary employer for 2014

	Dental hygiene		Orthodontic auxiliary		Teaching ^a		Administration ^a		Overall ^c		
	No. ^b	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No. not reported
Primary employer											
Private practice (self-emp)	76	25.2 (9.6)	6	33.8 (5.1)	1	10.0	3	19.3 (9.9)	87	27.6 (10.4)	—
Private practice (employee)	245	24.6 (9.6)	79	27.4 (11.6)	—	—	4	18.0 (17.4)	338	28.0 (10.0)	3
DHB or MOH	11	11.9 (9.4)	2	29.0 (11.0)	1	28.0	—	—	67	32.9 (8.9)	2
Universities	6	15.3 (7.3)	—	—	6	22.3 (13.5)	1	10.0	8	32.3 (11.4)	2
Other	9	33.6 (11.2)	—	—	—	—	—	—	9	37.4 (5.0)	—
Total number	347		87		8		8		509		7
Secondary employer											
Private practice (self-emp)	12	9.8 (4.5)	—	—	—	—	—	—	14	9.9 (4.5)	3
Private practice (employee)	68	11.0 (5.3)	2	6.0 (2.0)	—	—	—	—	82	11.3 (6.8)	17
DHB or MOH	1	7.0	1	8.0	—	—	—	—	5	13.8 (6.9)	4
Universities	—	—	—	—	2	12.0 (4.0)	—	—	2	12.0 (4.0)	—
Other	—	—	—	—	—	—	—	—	—	—	1
Total number	81		3		2		—		103		25

^a Where specifically employed to do so

^b Practitioners reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Totals of columns may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = District health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 3-19. Work by practice and employment type for dental hygienists and orthodontic auxiliaries, by primary and secondary employer for 2015

	Dental hygiene		Orthodontic auxiliary		Teaching ^a		Administration ^a		Overall ^c		
	No. ^b	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No.	Mean hours spent at work type (SD)	No. not reported
Primary employer											
Private practice (self-emp)	83	22.8 (9.8)	6	30.0 (7.5)	—	—	—	—	90	24.8 (9.5)	—
Private practice (employee)	248	25.0 (9.5)	66	28.0 (11.3)	—	—	5	16.8 (10.2)	326	28.2 (9.8)	3
DHB or MOH	16	14.6 (14.5)	—	—	—	—	—	—	80	36.0 (10.3)	2
Universities	6	18.3 (12.8)	—	—	10	24.3 (12.5)	2	25.0 (15.0)	12	33.6 (17.1)	—
Other	12	27.8 (15.0)	—	—	—	—	—	—	13	34.2 (9.3)	—
Total number	365		72		10		7		521		5
Secondary employer											
Private practice (self-emp)	22	9.9 (4.7)	—	—	—	—	—	—	23	10.3 (4.8)	1
Private practice (employee)	74	10.4 (4.4)	5	9.4 (6.2)	1	12.0	—	—	84	11.0 (4.8)	22
DHB or MOH	3	10.7 (5.2)	1	8.0	—	—	—	—	10	12.7 (5.9)	2
Universities	—	—	—	—	1	14.0	—	—	1	14.0	—
Other	1	5.0	—	—	—	—	—	—	1	1.0	—
Total number	100		6		2		—	—	119		25

^a Where specifically employed to do so

^b Practitioners reporting not working any hours and those who reported more than 80 hours per week, are excluded from these calculations

^c Totals of columns may sum greater than overall number per practice setting as multiple activities are performed, as well as activities not detailed in the table

Note: DHB = District health board; MOH = Ministry of Health

(Data source: Workforce survey)

Table 3-20. Geographic distribution of practising dental hygienists and orthodontic auxiliaries by Territorial Authority (TA), for 2012

TA area	Number of dental hygienists (%)	Number of orthodontic auxiliaries (%)	Total (%)	FTE combined [N reporting hours]
Far North	8 (1.6)	—	8 (1.4)	6.5 [7]
Whangarei	13 (2.6)	—	13 (2.2)	5.4 [8]
Kaipara	—	—	—	—
Auckland unitary authority	200 (40.4)	38 (39.2)	238 (40.2)	135.5 [173]
<i>Rodney</i>	15 (3.0)	—	15 (2.5)	5.7 [9]
<i>North Shore</i>	35 (7.1)	7 (7.2)	42 (7.1)	22.7 [28]
<i>Waitakere</i>	21 (4.2)	6 (6.2)	27 (4.6)	14.7 [19]
<i>Auckland</i>	77 (15.6)	19 (19.6)	96 (16.2)	56.4 [71]
<i>Manukau</i>	39 (7.9)	6 (6.2)	45 (7.6)	27.8 [36]
<i>Papakura</i>	6 (1.2)	—	6 (1.0)	3.9 [4]
<i>Franklin</i>	7 (1.4)	—	7 (1.2)	4.3 [6]
Thames-Coromandel District	4 (0.8)	—	4 (0.7)	2.6 [2]
Hauraki District	—	—	—	—
Waikato District	1 (0.2)	—	1 (0.2)	0.5 [1]
Matamata-Piako District	—	—	—	—
Hamilton City	13 (2.6)	1 (1.0)	14 (2.4)	10.2 [11]
Waipa District	4 (0.8)	2 (2.1)	6 (1.0)	3.3 [5]
Otorohanga District	1 (0.2)	—	1 (0.2)	0.9 [1]
South Waikato District	2 (0.4)	—	2 (0.3)	1.6 [2]
Waitomo District	—	—	—	—
Taupo District	1 (0.2)	—	1 (0.2)	0.5 [1]
Western Bay of Plenty District	—	—	—	—
Tauranga City	17 (3.4)	2 (2.1)	19 (3.2)	12.1 [16]
Rotorua District	4 (0.8)	1 (1.0)	5 (0.8)	1.4 [3]
Whakatane District	3 (0.6)	—	3 (0.5)	0.8 [1]
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	2 (0.4)	2 (2.1)	4 (0.7)	2.1 [4]
Wairoa District	1 (0.2)	—	1 (0.2)	—
Hastings District	5 (1.0)	2 (2.1)	7 (1.2)	5.4 [7]
Napier City	1 (0.2)	3 (3.1)	4 (0.7)	2.5 [3]
Central Hawke's Bay District	—	—	—	—
New Plymouth District	6 (1.2)	—	6 (1.0)	2.6 [4]
Stratford District	—	—	—	—
South Taranaki District	3 (0.6)	—	3 (0.5)	2.2 [3]
Ruapehu District	1 (0.2)	—	1 (0.2)	1.0 [1]
Wanganui District	7 (1.4)	1 (1.0)	8 (1.4)	5.9 [7]
Rangitikei District	—	—	—	—

TA area	Number of dental hygienists (%)	Number of orthodontic auxiliaries (%)	Total (%)	FTE combined [N reporting hours]
Manawatu District	2 (0.4)	—	2 (0.3)	1.9 [2]
Palmerston North City	10 (2.0)	8 (8.2)	18 (3.0)	6.9 [11]
Tararua District	—	—	—	—
Horowhenua District	2 (0.4)	—	2 (0.3)	1.7 [2]
Kapiti Coast District	4 (0.8)	—	4 (0.7)	3.3 [4]
Porirua City	2 (0.4)	—	2 (0.3)	1.0 [1]
Upper Hutt City	5 (1.0)	—	5 (0.8)	4.7 [5]
Lower Hutt City	8 (1.6)	2 (2.1)	10 (1.7)	6.1 [8]
Wellington City	46 (9.3)	4 (4.1)	50 (8.4)	30.2 [40]
Masterton District	—	—	—	—
Carterton District	1 (0.2)	—	1 (0.2)	0.8 [1]
South Wairarapa District	—	—	—	—
Tasman District	4 (0.8)	—	4 (0.7)	1.9 [3]
Nelson City	3 (0.6)	5 (5.2)	8 (1.4)	5.9 [7]
Marlborough District	2 (0.4)	—	2 (0.3)	1.3 [2]
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	4 (0.8)	—	4 (0.7)	2.2 [3]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	—	—	—
Christchurch City	31 (6.3)	17 (17.5)	48 (8.1)	26.7 [37]
Selwyn District	2 (0.4)	—	2 (0.3)	1.7 [2]
Ashburton District	1 (0.2)	—	1 (0.2)	—
Timaru District	1 (0.2)	1 (1.0)	2 (0.3)	0.6 [1]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	2 (0.4)	—	2 (0.3)	1.2 [2]
Central Otago District	3 (0.6)	—	3 (0.5)	1.5 [2]
Queenstown-Lakes District	5 (1.0)	—	5 (0.8)	1.8 [4]
Dunedin City	33 (6.7)	4 (4.1)	37 (6.3)	15.9 [23]
Clutha District	—	—	—	—
Southland District	—	—	—	—
Gore District	3 (0.6)	—	3 (0.5)	1.5 [1]
Invercargill City	2 (0.4)	4 (4.1)	6 (1.0)	3.5 [6]
TLA code not available	23 (4.6)	—	23 (3.9)	—
Total	496	97	593	324.6 [427]

Note: FTE = Full time equivalent

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 3-21. Population to practising dental hygienists and orthodontic auxiliaries and FTE ratios by TA, for 2012

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-dental hygienist/orthodontic auxiliary ratio ^{a, b}	Dental hygienist/orthodontic auxiliary per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE-dental hygienist/orthodontic auxiliary ratio	FTE per 100,000 population aged 15+
Far North	60,400	46,700	5,837.5	17.1	7,184.6	13.9
Whangarei	82,800	64,600	4,969.2	20.1	12,018.6	8.3
Kaipara	20,300	16,100	—	—	—	—
Auckland	1,476,500	1,164,100	4,891.2	20.4	8,594.3	11.6
Thames-Coromandel District	27,200	22,700	5,675.0	17.6	8,730.8	11.5
Hauraki District	18,600	14,950	—	—	—	—
Waikato District	66,100	50,100	50,100.0	2.0	111,333.3	0.9
Matamata-Piako District	32,600	25,500	—	—	—	—
Hamilton City	148,100	116,000	8,285.7	12.1	11,428.6	8.8
Waipa District	48,200	37,700	6,283.3	15.9	11,424.2	8.8
Otorohanga District	9,570	7,350	7,350.0	13.6	8,166.7	12.2
South Waikato District	23,200	17,700	8,850.0	11.3	11,419.4	8.8
Waitomo District	9,490	7,180	—	—	—	—
Taupo District	34,600	27,200	27,200.0	3.7	60,444.4	1.7
Western Bay of Plenty District	45,500	36,300	—	—	—	—
Tauranga City	118,300	93,700	4,931.6	20.3	7,727.8	12.9
Rotorua District	68,600	52,400	10,480.0	9.5	38,814.8	2.6
Whakatane District	34,300	26,200	8,733.3	11.5	33,806.5	3.0
Kawerau District	6,850	5,080	—	—	—	—
Opotiki District	8,870	6,800	—	—	—	—
Gisborne District	47,000	35,200	8,800.0	11.4	17,170.7	5.8
Wairoa District	8,350	6,250	6,250.0	16.0	—	—
Hastings District	76,400	58,700	8,385.7	11.9	10,920.9	9.2
Napier City	59,400	47,200	11,800.0	8.5	18,880.0	5.3
Central Hawke's Bay District	13,350	10,600	—	—	—	—
New Plymouth District	76,200	60,600	10,100.0	9.9	23,307.7	4.3
Stratford District	9,230	7,200	—	—	—	—
South Taranaki District	27,400	21,100	7,033.3	14.2	9,814.0	10.2
Ruapehu District	12,600	9,700	9,700.0	10.3	9,700.0	10.3
Wanganui District	43,600	34,700	4,337.5	23.1	5,906.4	16.9
Rangitikei District	14,550	11,500	—	—	—	—
Manawatu District	28,200	22,300	11,150.0	9.0	11,736.8	8.5
Palmerston North City	83,300	66,400	3,688.9	27.1	9,588.4	10.4
Tararua District	17,600	13,700	—	—	—	—

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dental hygienist/ orthodontic auxiliary ratio ^{a, b}	Dental hygienist/ orthodontic auxiliary per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dental hygienist/ orthodontic auxiliary ratio	FTE per 100,000 population aged 15+
Horowhenua District	31,200	25,100	12,550.0	8.0	14,764.7	6.8
Kapiti Coast District	50,400	41,100	10,275.0	9.7	12,646.2	7.9
Porirua City	53,400	40,300	20,150.0	5.0	40,300.0	2.5
Upper Hutt City	41,300	32,900	6,580.0	15.2	7,075.3	14.1
Lower Hutt City	101,200	79,400	7,940.0	12.6	13,124.0	7.6
Wellington City	196,600	162,300	3,246.0	30.8	5,369.7	18.6
Masterton District	24,100	19,200	—	—	—	—
Carterton District	8,310	6,640	6,640.0	15.1	8,853.3	11.3
South Wairarapa District	9,710	7,800	—	—	—	—
Tasman District	48,600	38,800	9,700.0	10.3	20,155.8	5.0
Nelson City	48,200	39,100	4,887.5	20.5	6,683.8	15.0
Marlborough District	44,600	36,600	18,300.0	5.5	27,622.6	3.6
Kaikoura District	3,680	3,060	—	—	—	—
Buller District	10,650	8,650	—	—	—	—
Grey District	13,900	11,100	2,775.0	36.0	4,988.8	20.0
Westland District	8,560	6,990	—	—	—	—
Hurunui District	11,800	9,500	—	—	—	—
Waimakariri District	50,500	40,100	—	—	—	—
Christchurch City	355,100	290,700	6,056.3	16.5	10,908.1	9.2
Selwyn District	44,400	34,600	17,300.0	5.8	20,352.9	4.9
Ashburton District	31,700	25,200	25,200.0	—	—	—
Timaru District	45,100	36,800	18,400.0	5.4	66,909.1	1.5
Mackenzie District	4,280	3,450	—	—	—	—
Waimate District	7,720	6,330	—	—	—	—
Chatham Islands Territory	600	480	—	—	—	—
Waitaki District	21,300	17,400	8,700.0	11.5	14,500.0	6.9
Central Otago District	18,200	14,850	4,950.0	20.2	9,737.7	10.3
Queenstown-Lakes District	28,800	23,500	4,700.0	21.3	12,876.7	7.8
Dunedin City	123,500	103,500	2,797.3	35.7	6,519.7	15.3
Clutha District	17,300	13,700	—	—	—	—
Southland District	30,200	23,600	—	—	—	—
Gore District	12,400	9,900	3,300.0	30.3	6,600.0	15.2
Invercargill City	53,200	42,600	7,100.0	14.1	12,347.8	8.1
Missing/outside TA	70	70				
Total ^c	4,408,100	3,498,200	5,909.1	16.9	10,777.8	9.3

^a Population estimate as at 30 June 2012

^b Where hours are reported

^c Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 3-22. Geographic distribution of practising dental hygienists and orthodontic auxiliaries by TA, for 2013

TA area	Number of dental hygienists	Number of orthodontic auxiliaries	Total	FTE combined [N reporting hours]
Far North	8 (1.5)	—	8 (1.3)	5.7 [8]
Whangarei	14 (2.6)	—	14 (2.2)	8.4 [12]
Kaipara	—	—	—	—
Auckland unitary authority	229 (43.0)	31 (33.0)	260 (41.5)	156.0 [196]
<i>Rodney</i>	15 (2.8)	1 (1.1)	16 (2.6)	7.0 [10]
<i>North Shore</i>	50 (9.4)	3 (3.2)	53 (8.5)	27.3 [34]
<i>Waitakere</i>	29 (5.5)	4 (4.3)	33 (5.3)	21.7 [25]
<i>Auckland</i>	85 (16.0)	18 (19.1)	103 (16.5)	66.5 [83]
<i>Manukau</i>	37 (7.0)	5 (5.3)	42 (6.7)	25.1 [34]
<i>Papakura</i>	6 (1.1)	—	6 (1.0)	4.4 [4]
<i>Franklin</i>	7 (1.3)	—	7 (1.1)	4.1 [6]
Thames-Coromandel District	1 (0.2)	—	1 (0.2)	1.0 [1]
Hauraki District	—	—	—	—
Waikato District	1 (0.2)	—	1 (0.2)	0.9 [1]
Matamata-Piako District	—	—	—	—
Hamilton City	19 (3.6)	1 (1.1)	20 (3.2)	11.1 [14]
Waipa District	7 (1.3)	1 (1.1)	8 (1.3)	3.9 [6]
Otorohanga District	1 (0.2)	—	1 (0.2)	1.8 [1]
South Waikato District	2 (0.4)	—	2 (0.3)	1.2 [2]
Waitomo District	—	—	—	—
Taupo District	3 (0.6)	—	3 (0.5)	1.3 [2]
Western Bay of Plenty District	—	—	—	—
Tauranga City	18 (3.4)	2 (2.1)	20 (3.2)	15.9 [20]
Rotorua District	5 (0.9)	2 (2.1)	7 (1.1)	1.8 [4]
Whakatane District	3 (0.6)	—	3 (0.5)	1.7 [2]
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	2 (0.4)	1 (1.1)	3 (0.5)	2.0 [3]
Wairoa District	—	—	—	—
Hastings District	8 (1.5)	2 (2.1)	10 (1.6)	6.2 [9]
Napier City	3 (0.6)	3 (3.2)	6 (1.0)	2.8 [3]
Central Hawke's Bay District	—	—	—	—
New Plymouth District	7 (1.3)	—	7 (1.1)	3.9 [5]
Stratford District	—	—	—	—
South Taranaki District	2 (0.4)	—	2 (0.3)	1.3 [2]
Ruapehu District	1 (0.2)	—	1 (0.2)	0.9 [1]
Wanganui District	6 (1.1)	1 (1.1)	7 (1.1)	3.8 [5]
Rangitikei District	—	—	—	—

TA area	Number of dental hygienists	Number of orthodontic auxiliaries	Total	FTE combined [N reporting hours]
Manawatu District	2 (0.4)	—	2 (0.3)	1.9 [2]
Palmerston North City	8 (1.5)	10 (10.6)	18 (2.9)	13.8 [15]
Taranua District	—	—	—	—
Horowhenua District	2 (0.4)	—	2 (0.3)	1.5 [2]
Kapiti Coast District	4 (0.8)	—	4 (0.6)	2.6 [3]
Porirua City	2 (0.4)	—	2 (0.3)	2.0 [2]
Upper Hutt City	5 (0.9)	—	5 (0.8)	4.5 [4]
Lower Hutt City	8 (1.5)	2 (2.1)	10 (1.6)	6.5 [9]
Wellington City	50 (9.4)	5 (5.3)	55 (8.8)	37.3 [47]
Masterton District	2 (0.4)	—	2 (0.3)	—
Carterton District	2 (0.4)	—	2 (0.3)	1.3 [2]
South Wairarapa District	—	—	—	—
Tasman District	3 (0.6)	—	3 (0.5)	1.7 [3]
Nelson City	4 (0.8)	5 (5.3)	9 (1.4)	5.3 [7]
Marlborough District	2 (0.4)	—	2 (0.3)	1.8 [2]
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	3 (0.6)	—	3 (0.5)	2.3 [3]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	—	—	—
Christchurch City	32 (6.0)	16 (17.0)	48 (7.7)	32.8 [41]
Selwyn District	2 (0.4)	—	2 (0.3)	1.6 [2]
Ashburton District	1 (0.2)	—	1 (0.2)	1.0 [1]
Timaru District	2 (0.4)	2 (2.1)	4 (0.6)	1.3 [4]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	6 (1.1)	—	6 (1.0)	1.1 [3]
Central Otago District	3 (0.6)	—	3 (0.5)	2.8 [3]
Queenstown-Lakes District	4 (0.8)	—	4 (0.6)	1.7 [4]
Dunedin City	26 (4.9)	4 (4.3)	30 (4.8)	17.9 [22]
Clutha District	2 (0.4)	—	2 (0.3)	0.5 [1]
Southland District	—	—	—	—
Gore District	2 (0.4)	—	2 (0.3)	1.0 [1]
Invercargill City	4 (0.8)	6 (6.4)	10 (1.6)	3.6 [6]
TLA code not available	11 (2.1)	—	11 (1.8)	—
Total	532	94	626	378.9 [486]

Note: FTE = Full time equivalent

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 3-23. Population to practising dental hygienists and orthodontic auxiliaries and FTE ratios by TA, for 2013

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-dental hygienist/orthodontic auxiliary ratio ^{a, b}	Dental hygienist/orthodontic auxiliary per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dental hygienist/orthodontic auxiliary ratio	FTE per 100,000 population aged 15+
Far North	60,600	46,900	5,862.5	17.1	8,300.9	12.0
Whangarei	83,700	65,200	4,657.1	21.5	7,761.9	12.9
Kaipara	20,500	16,300	—	—	—	—
Auckland	1,493,200	1,181,700	4,545.0	22.0	7,573.8	13.2
Thames-Coromandel District	27,300	22,800	22,800.0	4.4	22,800.0	4.4
Hauraki District	18,600	14,950	—	—	—	—
Waikato District	66,500	50,500	50,500.0	2.0	54,594.6	1.8
Matamata-Piako District	32,900	25,700	—	—	—	—
Hamilton City	150,200	117,800	5,890.0	17.0	10,588.8	9.4
Waipa District	48,700	38,200	4,775.0	20.9	9,858.1	10.1
Otorohanga District	9,590	7,340	7,340.0	13.6	4,077.8	24.5
South Waikato District	23,200	17,700	8,850.0	11.3	15,063.8	6.6
Waitomo District	9,340	7,090	—	—	—	—
Taupo District	34,800	27,200	9,066.7	11.0	21,760.0	4.6
Western Bay of Plenty District	45,500	36,400	—	—	—	—
Tauranga City	119,800	95,000	4,750.0	21.1	5,974.8	16.7
Rotorua District	68,400	52,600	7,514.3	13.3	29,222.2	3.4
Whakatane District	34,200	26,200	8,733.3	11.5	15,411.8	6.5
Kawerau District	6,650	4,940	—	—	—	—
Opotiki District	8,780	6,760	—	—	—	—
Gisborne District	47,000	35,300	11,766.7	8.5	17,873.4	5.6
Wairoa District	8,300	6,230	—	—	—	—
Hastings District	76,700	59,000	5,900.0	16.9	9,516.1	10.5
Napier City	59,600	47,400	7,900.0	12.7	16,928.6	5.9
Central Hawke's Bay District	13,250	10,500	—	—	—	—
New Plymouth District	77,100	61,300	8,757.1	11.4	15,819.4	6.3
Stratford District	9,210	7,180	—	—	—	—
South Taranaki District	27,500	21,200	10,600.0	9.4	16,307.7	6.1
Ruapehu District	12,450	9,550	9,550.0	10.5	10,914.3	9.2
Wanganui District	43,500	34,700	4,957.1	20.2	9,192.1	10.9
Rangitikei District	14,550	11,400	—	—	—	—
Manawatu District	28,500	22,500	11,250.0	8.9	12,000.0	8.3
Palmerston North City	83,500	66,800	3,711.1	26.9	4,831.8	20.7
Taranua District	17,450	13,600	—	—	—	—

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dental hygienist/ orthodontic auxiliary ratio ^{a, b}	Dental hygienist/ orthodontic auxiliary per 100,000 population aged 15+ ^b	Population aged 15+ years-to- FTE- dental hygienist/ orthodontic auxiliary ratio	FTE per 100,000 population aged 15+
Horowhenua District	31,200	25,200	12,600.0	7.9	16,800.0	6.0
Kapiti Coast District	50,700	41,400	10,350.0	9.7	15,771.4	6.3
Porirua City	53,700	40,600	20,300.0	4.9	20,300.0	4.9
Upper Hutt City	41,300	32,900	6,580.0	15.2	7,270.7	13.8
Lower Hutt City	101,200	79,600	7,960.0	12.6	12,199.2	8.2
Wellington City	197,500	163,300	2,969.1	33.7	5,375.1	22.9
Masterton District	24,100	19,200	9,600.0	10.4	—	—
Carterton District	8,490	6,790	3,395.0	29.5	5,325.5	18.8
South Wairarapa District	9,800	7,880	—	—	—	—
Tasman District	48,800	39,100	13,033.3	7.7	23,000.0	4.3
Nelson City	48,700	39,500	4,388.9	22.8	7,523.8	13.3
Marlborough District	44,700	36,600	18,300.0	5.5	20,914.3	4.8
Kaikoura District	3,640	3,000	—	—	—	—
Buller District	10,650	8,650	—	—	—	—
Grey District	13,700	11,000	3,666.7	27.3	4,835.2	20.7
Westland District	8,570	6,980	—	—	—	—
Hurunui District	12,000	9,650	—	—	—	—
Waimakariri District	52,300	41,700	—	—	—	—
Christchurch City	356,700	292,800	6,100.0	16.4	8,940.5	11.2
Selwyn District	46,700	36,200	18,100.0	5.5	22,984.1	4.4
Ashburton District	32,300	25,600	25,600.0	3.9	25,600.0	3.9
Timaru District	45,400	37,100	9,275.0	10.8	28,000.0	3.6
Mackenzie District	4,300	3,440	—	—	—	—
Waimate District	7,810	6,390	—	—	—	—
Chatham Islands Territory	600	480	—	—	—	—
Waitaki District	21,400	17,500	2,916.7	34.3	16,279.1	6.1
Central Otago District	18,500	15,100	5,033.3	19.9	5,490.9	18.2
Queenstown-Lakes District	29,700	24,300	6,075.0	16.5	14,727.3	6.8
Dunedin City	123,500	103,400	3,446.7	29.0	5,792.7	17.3
Clutha District	17,250	13,650	6,825.0	14.7	30,333.3	3.3
Southland District	30,300	23,600	—	—	—	—
Gore District	12,400	9,950	4,975.0	20.1	9,950.0	10.1
Invercargill City	53,200	42,700	4,270.0	23.4	11,944.1	8.4
Missing/outside TA	80	100				
Total ^c	4,442,100	3,533,300	5,644.2	17.7	9,325.8	10.7

^a Population estimate as at 30 June 2013

^b Where hours are reported

^c Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 3-24. Geographic distribution of practising dental hygienists and orthodontic auxiliaries by TA, for 2014

TA area	Number of dental hygienists (%)	Number of orthodontic auxiliaries (%)	Total (%)	FTE combined [N reporting hours]
Far North	8 (1.4)	—	8 (1.2)	4.1 [6]
Whangarei	16 (2.7)	—	16 (2.3)	9.4 [13]
Kaipara	—	—	—	—
Auckland unitary authority	245 (41.9)	31 (31.6)	276 (40.4)	165.0 [208]
<i>Rodney</i>	15 (2.6)	1 (1.0)	16 (2.3)	8.7 [12]
<i>North Shore</i>	56 (9.6)	6 (6.1)	62 (9.1)	36.0 [43]
<i>Waitakere</i>	27 (4.6)	4 (4.1)	31 (4.5)	15.9 [23]
<i>Auckland</i>	93 (15.9)	14 (14.3)	107 (15.7)	74.3 [90]
<i>Manukau</i>	41 (7.0)	6 (6.1)	47 (6.9)	23.2 [32]
<i>Papakura</i>	5 (0.9)	—	5 (0.7)	2.5 [2]
<i>Franklin</i>	8 (1.4)	—	8 (1.2)	4.3 [6]
Thames-Coromandel District	2 (0.3)	—	2 (0.3)	1.5 [2]
Hauraki District	1 (0.2)	—	1 (0.1)	0.9 [1]
Waikato District	2 (0.3)	—	2 (0.3)	0.9 [1]
Matamata-Piako District	—	—	—	—
Hamilton City	19 (3.2)	1 (1.0)	20 (2.9)	13.8 [16]
Waipa District	9 (1.5)	1 (1.0)	10 (1.5)	8.2 [10]
Otorohanga District	—	—	—	—
South Waikato District	4 (0.7)	—	4 (0.6)	2.0 [3]
Waitomo District	—	—	—	—
Taupo District	4 (0.7)	—	4 (0.6)	1.4 [2]
Western Bay of Plenty District	1 (0.2)	—	1 (0.1)	—
Tauranga City	20 (3.4)	2 (2.0)	22 (3.2)	13.4 [18]
Rotorua District	4 (0.7)	1 (1.0)	5 (0.7)	2.8 [4]
Whakatane District	3 (0.5)	—	3 (0.4)	1.7 [2]
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	3 (0.5)	2 (2.0)	5 (0.7)	2.7 [4]
Wairoa District	—	—	—	—
Hastings District	6 (1.0)	1 (1.0)	7 (1.0)	3.9 [6]
Napier City	4 (0.7)	2 (2.0)	6 (0.9)	4.7 [5]
Central Hawke's Bay District	—	—	—	—
New Plymouth District	8 (1.4)	1 (1.0)	9 (1.3)	4.0 [6]
Stratford District	—	—	—	—
South Taranaki District	2 (0.3)	—	2 (0.3)	1.5 [2]
Ruapehu District	—	—	—	—
Wanganui District	6 (1.0)	2 (2.0)	8 (1.2)	4.0 [5]
Rangitikei District	1 (0.2)	—	1 (0.1)	—

TA area	Number of dental hygienists (%)	Number of orthodontic auxiliaries (%)	Total (%)	FTE combined [N reporting hours]
Manawatu District	1 (0.2)	—	1 (0.1)	0.9 [1]
Palmerston North City	12 (2.1)	11 (11.2)	23 (3.4)	14.3 [18]
Tararua District	—	—	—	—
Horowhenua District	2 (0.3)	—	2 (0.3)	1.6 [2]
Kapiti Coast District	5 (0.9)	—	5 (0.7)	2.1 [3]
Porirua City	2 (0.3)	—	2 (0.3)	2.0 [2]
Upper Hutt City	6 (1.0)	—	6 (0.9)	6.0 [6]
Lower Hutt City	13 (2.2)	2 (2.0)	15 (2.2)	11.3 [13]
Wellington City	50 (8.5)	7 (7.1)	57 (8.3)	35.4 [44]
Masterton District	3 (0.5)	—	3 (0.4)	0.8 [1]
Carterton District	1 (0.2)	—	1 (0.1)	0.7 [1]
South Wairarapa District	—	—	—	—
Tasman District	3 (0.5)	—	3 (0.4)	2.0 [3]
Nelson City	6 (1.0)	5 (5.1)	11 (1.6)	6.6 [8]
Marlborough District	2 (0.3)	—	2 (0.3)	1.7 [2]
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	3 (0.5)	—	3 (0.4)	1.9 [3]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	1 (1.0)	1 (0.1)	—
Christchurch City	35 (6.0)	16 (16.3)	51 (7.5)	32.7 [41]
Selwyn District	2 (0.3)	—	2 (0.3)	1.4 [2]
Ashburton District	1 (0.2)	—	1 (0.1)	1.0 [1]
Timaru District	3 (0.5)	2 (2.0)	5 (0.7)	1.8 [5]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	5 (0.9)	—	5 (0.7)	2.7 [4]
Central Otago District	2 (0.3)	—	2 (0.3)	1.9 [2]
Queenstown-Lakes District	4 (0.7)	—	4 (0.6)	2.1 [4]
Dunedin City	33 (5.6)	4 (4.1)	37 (5.4)	17.1 [22]
Clutha District	1 (0.2)	—	1 (0.1)	0.5 [1]
Southland District	—	—	—	—
Gore District	3 (0.5)	—	3 (0.4)	3.1 [3]
Invercargill City	6 (1.0)	6 (6.1)	12 (1.8)	6.2 [8]
TLA code not available	13 (2.2)	—	13 (1.9)	0.5 [1]
Total	585	98	683	403.8 [515]

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 3-25. Population to practising dental hygienists and orthodontic auxiliaries and FTE ratios by TA, for 2014

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-dental hygienist/orthodontic auxiliary ratio ^{a, b}	Dental hygienist/orthodontic auxiliary per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE- dental hygienist/orthodontic auxiliary ratio	FTE per 100,000 population aged 15+
Far North	61,000	47,200	5,900.0	16.9	11,654.3	8.6
Whangarei	84,400	65,900	4,118.8	24.3	7,029.3	14.2
Kaipara	20,700	16,600	—	—	—	—
Auckland	1,526,900	1,213,200	4,395.7	22.7	7,355.0	13.6
Thames-Coromandel District	27,500	23,000	11,500.0	8.7	15,333.3	6.5
Hauraki District	18,800	15,100	15,100.0	6.6	17,257.1	5.8
Waikato District	68,000	51,700	25,850.0	3.9	55,891.9	1.8
Matamata-Piako District	33,300	26,100	—	—	—	—
Hamilton City	153,000	120,500	6,025.0	16.6	8,716.1	11.5
Waipa District	49,300	39,000	3,900.0	25.6	4,770.6	21.0
Otorohanga District	9,650	7,320	—	—	—	—
South Waikato District	23,300	17,900	4,475.0	22.3	8,950.0	11.2
Waitomo District	9,400	7,140	—	—	—	—
Taupo District	35,100	27,600	6,900.0	14.5	19,714.3	5.1
Western Bay of Plenty District	45,900	36,800	36,800.0	2.7	—	—
Tauranga City	121,800	96,900	4,404.5	22.7	7,231.3	13.8
Rotorua District	68,500	52,800	10,560.0	9.5	19,027.0	5.3
Whakatane District	34,300	26,400	8,800.0	11.4	15,529.4	6.4
Kawerau District	6,600	4,940	—	—	—	—
Opotiki District	8,830	6,770	—	—	—	—
Gisborne District	47,100	35,500	7,100.0	14.1	13,027.5	7.7
Wairoa District	8,200	6,160	—	—	—	—
Hastings District	77,400	59,700	8,528.6	11.7	15,506.5	6.4
Napier City	60,000	47,900	7,983.3	12.5	10,191.5	9.8
Central Hawke's Bay District	13,250	10,500	—	—	—	—
New Plymouth District	78,200	62,200	6,911.1	14.5	15,746.8	6.4
Stratford District	9,260	7,240	—	—	—	—
South Taranaki District	27,500	21,200	10,600.0	9.4	14,620.7	6.8
Ruapehu District	12,450	9,550	—	—	—	—
Wanganui District	43,400	34,600	4,325.0	23.1	8,704.4	11.5
Rangitikei District	14,600	11,450	11,450.0	8.7	—	—
Manawatu District	28,800	22,800	22,800.0	4.4	26,057.1	3.8
Palmerston North City	84,400	67,600	2,939.1	34.0	4,727.3	21.2
Tararua District	17,350	13,500	—	—	—	—

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- dental hygienist/ orthodontic auxiliary ratio ^{a, b}	Dental hygienist/ orthodontic auxiliary per 100,000 population aged 15+ ^b	Population aged 15+ years-to- FTE- dental hygienist/ orthodontic auxiliary ratio	FTE per 100,000 population aged 15+
Horowhenua District	31,300	25,400	12,700.0	7.9	16,387.1	6.1
Kapiti Coast District	51,100	41,800	8,360.0	12.0	19,670.6	5.1
Porirua City	54,100	41,100	20,550.0	4.9	20,296.3	4.9
Upper Hutt City	41,800	33,200	5,533.3	18.1	5,579.8	17.9
Lower Hutt City	101,700	80,300	5,353.3	18.7	7,122.0	14.0
Wellington City	200,000	166,100	2,914.0	34.3	4,692.1	21.3
Masterton District	24,200	19,400	6,466.7	15.5	24,250.0	4.1
Carterton District	8,680	6,970	6,970.0	14.3	10,723.1	9.3
South Wairarapa District	9,920	7,990	—	—	—	—
Tasman District	49,100	39,500	13,166.7	7.6	19,750.0	5.1
Nelson City	49,300	40,000	3,636.4	27.5	6,060.6	16.5
Marlborough District	44,800	36,800	18,400.0	5.4	21,333.3	4.7
Kaikoura District	3,640	3,030	—	—	—	—
Buller District	10,550	8,650	—	—	—	—
Grey District	13,600	10,950	3,650.0	27.4	5,688.3	17.6
Westland District	8,640	7,080	—	—	—	—
Hurunui District	12,200	9,800	—	—	—	—
Waimakariri District	54,400	43,400	43,400.0	2.3	—	—
Christchurch City	361,900	298,200	5,847.1	17.1	9,119.3	11.0
Selwyn District	49,500	38,500	19,250.0	5.2	28,000.0	3.6
Ashburton District	32,800	26,000	26,000.0	3.8	26,000.0	3.8
Timaru District	45,900	37,600	7,520.0	13.3	21,183.1	4.7
Mackenzie District	4,320	3,490	—	—	—	—
Waimate District	7,880	6,420	—	—	—	—
Chatham Islands Territory	600	490	—	—	—	—
Waitaki District	21,700	17,700	3,540.0	28.2	6,495.4	15.4
Central Otago District	18,850	15,450	7,725.0	12.9	8,240.0	12.1
Queenstown-Lakes District	30,900	25,200	6,300.0	15.9	12,144.6	8.2
Dunedin City	124,600	104,600	2,827.0	35.4	6,117.0	16.3
Clutha District	17,350	13,800	13,800.0	7.2	26,285.7	3.8
Southland District	30,400	23,700	—	—	—	—
Gore District	12,400	9,950	3,316.7	30.2	3,209.7	31.2
Invercargill City	53,700	42,900	3,575.0	28.0	6,891.6	14.5
Missing/outside TA	80	100				
Total ^c	4,509,700	3,533,300	5,173.2	19.3	8,750.7	11.4

^a Population estimate as at 30 June 2014

^b Where hours are reported

^c Due to rounding, individual figures may not always sum to the stated totals.
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 3-26. Geographic distribution of dental hygienists and orthodontic auxiliaries by TA, for 2015

TA area	Number of dental hygienists (%)	Number of orthodontic auxiliaries (%)	Total	FTE combined [N reporting hours]
Far North	7 (1.1)	—	7 (1.0)	3.0 [5]
Whangarei	18 (2.8)	—	18 (2.4)	12.9 [17]
Kaipara	—	—	—	—
Auckland unitary authority	281 (43.5)	31 (34.8)	312 (42.4)	172.9 [216]
<i>Rodney</i>	15 (2.3)	1 (1.1)	16 (2.2)	8.5 [12]
<i>North Shore</i>	60 (9.3)	5 (5.6)	65 (8.8)	31.6 [37]
<i>Waitakere</i>	27 (4.2)	4 (4.5)	31 (4.2)	17.0 [23]
<i>Auckland</i>	112 (17.3)	16 (18.0)	128 (17.4)	73.7 [92]
<i>Manukau</i>	54 (8.4)	5 (5.6)	59 (8.0)	35.1 [42]
<i>Papakura</i>	4 (0.6)	—	4 (0.5)	1.7 [2]
<i>Franklin</i>	9 (1.4)	—	9 (1.2)	5.4 [8]
Thames-Coromandel District	2 (0.3)	—	2 (0.3)	0.6 [1]
Hauraki District	—	—	—	—
Waikato District	4 (0.6)	—	4 (0.5)	0.9 [1]
Matamata-Piako District	—	—	—	—
Hamilton City	26 (4.0)	1 (1.1)	27 (3.7)	18.5 [21]
Waipa District	8 (1.2)	—	8 (1.1)	4.3 [6]
Otorohanga District	—	—	—	—
South Waikato District	2 (0.3)	—	2 (0.3)	1.3 [2]
Waitomo District	—	—	—	—
Taupo District	3 (0.5)	—	3 (0.4)	0.8 [2]
Western Bay of Plenty District	4 (0.6)	—	4 (0.5)	2.5 [3]
Tauranga City	18 (2.8)	2 (2.2)	20 (2.7)	10.4 [14]
Rotorua District	7 (1.1)	1 (1.1)	8 (1.1)	3.4 [5]
Whakatane District	3 (0.5)	—	3 (0.4)	1.6 [2]
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	4 (0.6)	2 (2.2)	6 (0.8)	4.6 [6]
Wairoa District	—	—	—	—
Hastings District	9 (1.4)	—	9 (1.2)	4.2 [7]
Napier City	4 (0.6)	1 (1.1)	5 (0.7)	2.6 [3]
Central Hawke's Bay District	—	—	—	—
New Plymouth District	11 (1.7)	—	11 (1.5)	4.9 [7]
Stratford District	—	—	—	—
South Taranaki District	3 (0.5)	—	3 (0.4)	2.1 [3]
Ruapehu District	—	—	—	—
Wanganui District	8 (1.2)	2 (2.2)	10 (1.4)	5.9 [6]
Rangitikei District	1 (0.2)	—	1 (0.1)	1.0 [1]

TA area	Number of dental hygienists (%)	Number of orthodontic auxiliaries (%)	Total	FTE combined [N reporting hours]
Manawatu District	1 (0.2)	—	1 (0.1)	0.9 [1]
Palmerston North City	15 (2.3)	9 (10.1)	24 (3.3)	15.6 [18]
Tararua District	—	—	—	—
Horowhenua District	1 (0.2)	—	1 (0.1)	0.8 [1]
Kapiti Coast District	6 (0.9)	—	6 (0.8)	4.2 [6]
Porirua City	3 (0.5)	—	3 (0.4)	3.0 [3]
Upper Hutt City	7 (1.1)	1 (1.1)	8 (1.1)	5.4 [6]
Lower Hutt City	15 (2.3)	1 (1.1)	16 (2.2)	10.0 [13]
Wellington City	50 (7.7)	4 (4.5)	54 (7.3)	35.0 [43]
Masterton District	2 (0.3)	—	2 (0.3)	1.8 [2]
Carterton District	1 (0.2)	—	1 (0.1)	0.7 [1]
South Wairarapa District	—	—	—	—
Tasman District	4 (0.6)	—	4 (0.5)	1.9 [3]
Nelson City	3 (0.5)	7 (7.9)	10 (1.4)	5.5 [7]
Marlborough District	2 (0.3)	—	2 (0.3)	2.0 [2]
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	3 (0.5)	—	3 (0.4)	1.4 [2]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	1 (0.2)	—	1 (0.1)	—
Christchurch City	36 (5.6)	15 (16.9)	51 (6.9)	30.2 [37]
Selwyn District	4 (0.6)	—	4 (0.5)	2.6 [4]
Ashburton District	2 (0.3)	—	2 (0.3)	2.1 [2]
Timaru District	2 (0.3)	2 (2.2)	4 (0.5)	1.7 [3]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	3 (0.5)	—	3 (0.4)	1.9 [3]
Central Otago District	3 (0.5)	—	3 (0.4)	1.9 [2]
Queenstown-Lakes District	4 (0.6)	—	4 (0.5)	2.2 [4]
Dunedin City	27 (4.2)	4 (4.5)	31 (4.2)	19.5 [25]
Clutha District	1 (0.2)	—	1 (0.1)	1.0 [1]
Southland District	1 (0.2)	—	1 (0.1)	—
Gore District	2 (0.3)	—	2 (0.3)	1.0 [1]
Invercargill City	6 (0.9)	6 (6.7)	12 (1.6)	7.4 [9]
TLA code not available	18 (2.8)	—	18 (2.4)	0.7 [1]
Total	646	89	735	418.1 [528]

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 3-27. Population to practising dental hygienists and orthodontic auxiliaries and FTE ratios by TA, for 2015

TA areas	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-dental hygienist/orthodontic auxiliary ratio ^{a, b}	Dental hygienist/orthodontic auxiliary per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE-dental hygienist/orthodontic auxiliary ratio	FTE per 100,000 population aged 15+
Far North	61,300	47,800	6,828.6	14.6	15,933.3	6.3
Whangarei	85,900	67,300	3,738.9	26.7	5,217.1	19.2
Kaipara	21,100	16,900	—	—	—	—
Auckland	1,569,900	1,253,900	4,018.9	24.9	7,253.2	13.8
Thames-Coromandel District	27,800	23,400	11,700.0	8.5	42,545.5	2.4
Hauraki District	19,100	15,400	—	—	—	—
Waikato District	69,500	53,200	13,300.0	7.5	57,513.5	1.7
Matamata-Piako District	33,600	26,600	—	—	—	—
Hamilton City	156,800	123,700	4,581.5	21.8	6,677.5	15.0
Waipa District	50,400	39,900	4,987.5	20.1	9,333.3	10.7
Otorohanga District	9,720	7,370	—	—	—	—
South Waikato District	23,500	18,100	9,050.0	11.0	14,196.1	7.0
Waitomo District	9,530	7,200	—	—	—	—
Taupo District	35,600	28,100	9,366.7	10.7	36,258.1	2.8
Western Bay of Plenty District	46,800	37,700	9,425.0	10.6	15,387.8	6.5
Tauranga City	124,600	99,400	4,970.0	20.1	9,534.8	10.5
Rotorua District	69,200	53,600	6,700.0	14.9	16,000.0	6.3
Whakatane District	34,600	26,800	8,933.3	11.2	16,750.0	6.0
Kawerau District	6,660	5,010	—	—	—	—
Opotiki District	8,810	6,790	—	—	—	—
Gisborne District	47,400	35,800	5,966.7	16.8	7,825.1	12.8
Wairoa District	8,180	6,120	—	—	—	—
Hastings District	77,900	60,300	6,700.0	14.9	14,272.2	7.0
Napier City	60,400	48,300	9,660.0	10.4	18,757.3	5.3
Central Hawke's Bay District	13,450	10,700	—	—	—	—
New Plymouth District	79,000	62,900	5,718.2	17.5	12,969.1	7.7
Stratford District	9,220	7,230	—	—	—	—
South Taranaki District	27,700	21,600	7,200.0	13.9	10,409.6	9.6
Ruapehu District	12,450	9,550	—	—	—	—
Wanganui District	43,600	35,000	3,500.0	28.6	5,957.4	16.8
Rangitikei District	14,700	11,550	11,550.0	8.7	11,550.0	8.7
Manawatu District	29,300	23,100	23,100.0	4.3	26,400.0	3.8
Palmerston North City	85,500	68,900	2,870.8	34.8	4,430.9	22.6
Tararua District	17,400	13,600	—	—	—	—

TA areas	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-dental hygienist/orthodontic auxiliary ratio ^{a, b}	Dental hygienist/orthodontic auxiliary per 100,000 population aged 15+ ^b	Population aged 15+ years-to-FTE-dental hygienist/orthodontic auxiliary ratio	FTE per 100,000 population aged 15+
Horowhenua District	31,400	25,600	25,600.0	3.9	32,000.0	3.1
Kapiti Coast District	51,400	42,100	7,016.7	14.3	10,083.8	9.9
Porirua City	54,500	41,500	13,833.3	7.2	13,949.6	7.2
Upper Hutt City	42,000	33,500	4,187.5	23.9	6,203.7	16.1
Lower Hutt City	102,000	80,800	5,050.0	19.8	8,080.0	12.4
Wellington City	203,800	169,800	3,144.4	31.8	4,854.9	20.6
Masterton District	24,400	19,600	9,800.0	10.2	10,739.7	9.3
Carterton District	8,790	7,100	7,100.0	14.1	10,142.9	9.9
South Wairarapa District	10,000	8,100	—	—	—	—
Tasman District	49,500	40,100	10,025.0	10.0	21,105.3	4.7
Nelson City	49,900	40,900	4,090.0	24.4	7,504.6	13.3
Marlborough District	45,300	37,200	18,600.0	5.4	18,600.0	5.4
Kaikoura District	3,660	3,020	—	—	—	—
Buller District	10,350	8,500	—	—	—	—
Grey District	13,650	10,900	3,633.3	27.5	7,785.7	12.8
Westland District	8,720	7,150	—	—	—	—
Hurunui District	12,500	10,050	—	—	—	—
Waimakariri District	56,400	45,200	45,200.0	2.2	—	—
Christchurch City	367,800	304,200	5,964.7	16.8	10,089.6	9.9
Selwyn District	52,700	41,100	10,275.0	9.7	16,117.6	6.2
Ashburton District	33,200	26,400	13,200.0	7.6	12,423.5	8.0
Timaru District	46,200	38,000	9,500.0	10.5	23,030.3	4.3
Mackenzie District	4,440	3,580	—	—	—	—
Waimate District	7,870	6,390	—	—	—	—
Chatham Islands Territory	610	480	—	—	—	—
Waitaki District	21,900	17,800	5,933.3	16.9	9,368.4	10.7
Central Otago District	19,200	15,750	5,250.0	19.0	8,181.8	12.2
Queenstown-Lakes District	32,400	26,500	6,625.0	15.1	12,045.5	8.3
Dunedin City	125,800	105,900	3,416.1	29.3	5,444.7	18.4
Clutha District	17,400	13,900	13,900.0	7.2	13,900.0	7.2
Southland District	30,600	23,900	23,900.0	4.2	—	—
Gore District	12,450	10,000	5,000.0	20.0	10,000.0	10.0
Invercargill City	54,200	43,600	3,633.3	27.5	5,932.0	16.9
Missing/outside TA	80	100				
Total ^c	4,595,700	3,533,300	4,807.2	20.8	8,450.3	11.8

^a Population estimate as at 30 June 2015

^b Where hours are reported

^c Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 3-28. Population to practising dental hygienists and orthodontic auxiliaries and FTE ratios by district health board (DHB), for 2012

	No with practising certificates	Total population ^a	Population aged 15+ years	FTE dental hygienists and orthodontic auxiliaries	Population aged 15+ years-to-dental hygienist/ orthodontic auxiliary ratio	Dental hygienist /orthodontic auxiliary per 100,000 population aged 15+ years	Population aged 15+ years-to-FTE- dental hygienist/ orthodontic auxiliary ratio	FTE per 100,000 population aged 15+ years
Northland	21	164,700	127,300	11.9	6,062	16.5	10,720.0	9.3
Waitemata	89	552,800	432,800	44.2	4,863	20.6	9,786.3	10.2
Auckland	91	460,500	372,000	55.3	4,088	24.5	6,730.0	14.9
Counties-Manukau	58	496,300	371,800	36.0	6,410	15.6	10,342.1	9.7
Waikato	28	377,900	292,900	19.0	10,461	9.6	15,456.5	6.5
Lakes	6	103,200	79,600	1.8	13,267	7.5	44,222.2	2.3
Bay of Plenty	22	215,000	168,100	12.9	7,641	13.1	13,031.0	7.7
Tairāwhiti	4	47,000	35,200	2.1	8,800	11.4	17,170.7	5.8
Hawke's Bay	12	113,800	88,900	7.9	7,408	13.5	11,288.9	8.9
Taranaki	9	158,500	123,200	4.8	13,689	7.3	25,936.8	3.9
Whanganui	9	62,300	49,300	6.9	5,478	18.3	7,170.9	13.9
MidCentral	24	168,900	134,100	11.9	5,588	17.9	11,268.9	8.9
Hutt	15	142,500	112,100	10.7	7,473	13.4	10,476.6	9.5
Capital and Coast	55	293,500	237,200	33.5	4,313	23.2	7,085.9	14.1
Wairarapa	1	42,400	33,600	0.8	33,600	3.0	44,800.0	2.2
Nelson-Marlborough	14	142,100	114,300	9.1	8,164	12.2	12,560.4	8.0
West Coast	4	33,000	26,800	2.2	6,700	14.9	12,044.9	8.3
Canterbury	50	503,700	403,100	28.0	8,062	12.4	14,409.3	6.9
South Canterbury	2	57,600	46,600	0.6	23,300	4.3	84,727.3	1.2
Southern ^b	56 [47]	306,400	248,800	25.4 [17.9]	4,443 [5,294]	22.5 [18.9]	9,804.9 [13,938.4]	10.2 [7.2]
Unknown	23			44.2				
Total	593	4,408,100	3,497,700	328.8	5,898	17.0	10,637.8	9.4

^a Population estimate as at 30 June 2012. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental hygienists and orthodontic auxiliaries who reported the University of Otago as their primary employer
(Data sources: Workforce survey and Statistics New Zealand)

Table 3-29. Population to practising dental hygienists and orthodontic auxiliaries, and FTE ratios by DHB, for 2013

	No with practising certificates	Total population ^a	Population aged 15+ years	FTE dental hygienists and orthodontic auxiliaries	Population aged 15+ years-to-dental hygienist/ orthodontic auxiliary ratio	Dental hygienist /orthodontic auxiliary per 100,000 population aged 15+ years	Population aged 15+ years-to-FTE- dental hygienist/ orthodontic auxiliary ratio	FTE per 100,000 population aged 15+ years
Northland	22	164,700	128,300	14.1	5,832	17.1	9,131.7	11.0
Waitemata	110	552,800	439,700	57.9	3,997	25.0	7,600.7	13.2
Auckland	95	460,500	377,400	64.6	3,973	25.2	5,844.4	17.1
Counties-Manukau	55	496,300	377,100	33.6	6,856	13.6	11,223.2	8.9
Waikato	33	377,900	295,900	19.9	8,967	11.2	14,869.3	6.7
Lakes	10	103,200	79,800	3.1	7,980	12.5	26,163.9	3.8
Bay of Plenty	23	215,000	169,300	17.6	7,361	13.6	9,619.3	10.4
Tairāwhiti	3	47,000	35,300	2.0	11,767	8.5	17,873.4	5.6
Hawke's Bay	16	113,800	89,600	9.0	5,600	17.9	9,955.6	10.0
Taranaki	9	158,500	123,800	5.2	13,756	7.3	23,922.7	4.2
Whanganui	8	62,300	49,400	4.7	6,175	16.2	10,623.7	9.4
MidCentral	23	168,900	134,700	18.0	5,857	17.1	7,483.3	13.4
Hutt	15	142,500	112,500	11.1	7,500	13.3	10,181.0	9.8
Capital and Coast	60	293,500	238,500	41.2	3,975	25.2	5,795.9	17.3
Wairarapa	4	42,400	34,000	1.3	8,500	11.8	26,666.7	3.8
Nelson-Marlborough	14	142,100	115,200	8.7	8,229	12.2	13,241.4	7.6
West Coast	3	33,000	26,600	2.3	8,867	11.3	11,692.3	8.6
Canterbury	51	503,700	408,800	35.3	8,016	12.5	11,572.5	8.6
South Canterbury	4	57,600	47,000	1.3	11,750	8.5	35,471.7	2.8
Southern ^b	57 [49]	306,400	250,200	28.4 [22.3]	4,389 [5,106]	22.8 [19.6]	8,825.4 [11,232.3]	11.3 [8.9]
Unknown	11			—				
Total	626	4,442,100	3,533,100	378.9	5,644	17.7	9,325.2	10.7

^a Population estimate as at 30 June 2013. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental hygienists and orthodontic auxiliaries who reported the University of Otago as their primary employer (Data sources: Workforce survey and Statistics New Zealand)

Table 3-30. Population to practising dental hygienists and orthodontic auxiliaries, and FTE ratios by DHB, for 2014

	No with practising certificates	Total population ^a	Population aged 15+ years	FTE dental hygienists and orthodontic auxiliaries	Population aged 15+ years-to-dental hygienist/ orthodontic auxiliary ratio	Dental hygienist /orthodontic auxiliary per 100,000 population aged 15+ years	Population aged 15+ years-to-FTE- dental hygienist/ orthodontic auxiliary ratio	FTE per 100,000 population aged 15+ years
Northland	24	166,000	129,800	13.4	5,408	18.5	9,668.5	10.3
Waitemata	113	562,600	448,800	62.5	3,972	25.2	7,180.8	13.9
Auckland	103	471,900	388,600	72.5	3,773	26.5	5,361.8	18.7
Counties-Manukau	60	509,200	388,500	30.0	6,475	15.4	12,960.8	7.7
Waikato	39	383,500	301,300	27.3	7,726	12.9	11,036.6	9.1
Lakes	9	103,600	80,400	4.2	8,933	11.2	19,257.5	5.2
Bay of Plenty	26	217,400	171,900	15.1	6,612	15.1	11,384.1	8.8
Tairāwhiti	5	47,100	35,500	2.7	7,100	14.1	13,027.5	7.7
Hawke's Bay	13	115,000	90,800	8.6	6,985	14.3	10,619.9	9.4
Taranaki	11	159,400	124,700	5.4	11,336	8.8	23,092.6	4.3
Whanganui	9	62,200	49,300	4.0	5,478	18.3	12,402.5	8.1
MidCentral	26	170,300	136,100	16.7	5,235	19.1	8,137.5	12.3
Hutt	21	143,400	113,500	17.2	5,405	18.5	6,589.3	15.2
Capital and Coast	64	296,700	242,100	39.6	3,783	26.4	6,121.4	16.3
Wairarapa	4	42,800	34,300	1.5	8,575	11.7	23,655.2	4.2
Nelson-Marlborough	16	143,100	116,300	10.3	7,269	13.8	11,263.9	8.9
West Coast	3	32,800	26,600	1.9	8,867	11.3	13,818.2	7.2
Canterbury	55	514,500	418,900	35.1	7,616	13.1	11,943.0	8.4
South Canterbury	5	58,100	47,500	1.8	9,500	10.5	26,760.6	3.7
Southern ^b	64 [54]	309,900	253,500	33.6 [26.4]	3,961 [4,694]	25.2 [21.3]	7,539.0 [9,620.5]	13.3 [10.4]
Unknown	13			0.5				
Total	683	4,509,700	3,598,400	403.8	5,269	19.0	8,911.9	11.2

^a Population estimate as at 30 June 2014. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental hygienists and orthodontic auxiliaries who reported the University of Otago as their primary employer
(Data sources: Workforce survey and Statistics New Zealand)

Table 3-31. Population to practising dental hygienists and orthodontic auxiliaries, and FTE ratios by DHB, for 2015

	No with practising certificates	Total population ^a	Population aged 15+ years	FTE dental hygienists and orthodontic auxiliaries	Population aged 15+ years-to-dental hygienist/ orthodontic auxiliary ratio	Dental hygienist /orthodontic auxiliary per 100,000 population aged 15+ years	Population aged 15+ years-to-FTE- dental hygienist/ orthodontic auxiliary ratio	FTE per 100,000 population aged 15+ years
Northland	25	168,300	132,100	15.9	5,284	18.9	8,308.2	12.0
Waitemata	120	575,600	460,800	60.2	3,840	26.0	7,654.5	13.1
Auckland	120	490,000	406,000	70.5	3,383	29.6	5,760.9	17.4
Counties-Manukau	72	521,700	400,400	42.2	5,561	18.0	9,488.2	10.5
Waikato	43	390,600	307,700	25.6	7,156	14.0	12,043.1	8.3
Lakes	11	104,800	81,600	4.1	7,418	13.5	19,781.8	5.1
Bay of Plenty	27	221,500	175,600	14.5	6,504	15.4	12,131.3	8.2
Tairāwhiti	6	47,400	35,800	4.6	5,967	16.8	7,825.1	12.8
Hawke's Bay	14	115,900	91,700	6.8	6,550	15.3	13,485.3	7.4
Taranaki	14	160,500	126,000	6.9	9,000	11.1	18,194.9	5.5
Whanganui	11	62,600	49,700	6.9	4,518	22.1	7,229.1	13.8
MidCentral	27	172,100	138,000	18.0	5,111	19.6	7,656.0	13.1
Hutt	24	144,000	114,400	15.4	4,767	21.0	7,428.6	13.5
Capital and Coast	62	301,100	246,700	41.3	3,979	25.1	5,969.8	16.8
Wairarapa	3	43,200	34,700	2.5	11,567	8.6	13,742.6	7.3
Nelson-Marlborough	16	144,800	118,100	9.4	7,381	13.5	12,631.0	7.9
West Coast	3	32,700	26,600	1.4	8,867	11.3	19,000.0	5.3
Canterbury	58	526,100	429,800	34.8	7,410	13.5	12,341.7	8.1
South Canterbury	4	58,600	48,000	1.7	12,000	8.3	29,090.9	3.4
Southern ^b	57 [45]	314,000	257,600	34.8 [23.8]	4,519 [5,724]	22.1 [17.5]	7,397.0 [10,812.2]	13.5 [9.2]
Unknown	18			0.7				
Total	735	4,595,700	3,681,300	418.1	5,009	20.0	8,804.3	11.4

^a Population estimate as at 30 June 2015. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental hygienists and orthodontic auxiliaries who reported the University of Otago as their primary employer
(Data sources: Workforce survey and Statistics New Zealand)

Table 3-32. Practising pattern, dental hygienists who reported that they are not currently practising in New Zealand

Employment status		Females (%)	Males (%)	Total (%)
2013	Practising overseas	26 (32.9)	4 (57.1)	30 (34.9)
	Overseas and not practising	10 (12.7)	1 (14.3)	11 (12.8)
	In NZ but not practising	43 (54.4)	2 (28.6)	45 (52.3)
	Total not currently practising	79 (91.9)	7 (8.1)	86
	Practising status not stated	111	9	120
	Employment status of 'In NZ but not practising' group			
	Another health profession	6	—	6
	Non-health profession	3	—	3
	Full-time study	9	2	11
	Parental responsibilities	15	—	15
	Seeking work	7	—	7
	Not reported	3	—	3
2014	Practising overseas	24 (30.0)	3 (50.0)	27 (31.4)
	Overseas and not practising	12 (15.0)	—	12 (14.0)
	In NZ but not practising	44 (55.0)	3 (50.0)	47 (54.7)
	Total not currently practising	80 (93.0)	6 (7.0)	86
	Practising status not stated	122	14	136
	Employment status of 'In NZ but not practising' group			
	Another health profession	11	1	12
	Non-health profession	4	—	4
	Full-time study	8	—	8
	Parental responsibilities	17	1	18
	Seeking work	2	—	2
	Not reported	2	1	3
2015	Practising overseas	31 (33.3)	3 (37.5)	34 (33.7)
	Overseas and not practising	11 (11.8)	1 (12.5)	12 (11.9)
	In NZ but not practising	51 (54.8)	4 (50.0)	55 (54.5)
	Total not currently practising	93 (92.1)	8 (7.9)	101
	Practising status not stated	153	12	165
	Employment status of 'In NZ but not practising' group			
	Another health profession	8	3	11
	Non-health profession	2	—	2
	Full-time study	20	1	21
	Parental responsibilities	15	—	15
	Seeking work	3	—	3
	Retired	1	—	1
	Not reported	2	—	2

(Data source: Workforce survey)

Table 3-33. Postgraduate training undertaken by dental hygienists and orthodontic auxiliaries

	Expected year of completion	Current APC (%)	No current APC (%)	Overall (%)
2013	2013	2 (50.0)	—	2 (40.0)
	Not stated/unsure	2 (50.0)	1 (100.0)	3 (60.0)
	<hr/>			
	Intend to practise in NZ?			
	Yes	4 (100.0)	—	4
	No	—	1 (100.0)	1
	Total in postgraduate training	4 (80.0)	1 (20.0)	5
2014	2013	2 (25.0)	1 (33.3)	3 (27.3)
	2015	2 (25.0)	2 (66.7)	4 (36.4)
	Not stated/unsure	4 (50.0)	—	4 (36.4)
	<hr/>			
	Intend to practise in NZ?			
	Yes	7 (87.5)	1 (33.3)	8 (72.7)
	No	1 (12.5)	2 (66.7)	3 (27.3)
	Total in postgraduate training	8 (72.7)	3 (27.3)	11
2015	2014	3 (33.3)	2 (40.0)	5 (35.7)
	2015	3 (33.3)	1 (20.0)	4 (28.6)
	2016	1 (11.1)	—	1 (7.1)
	Not stated/unsure	2 (22.2)	2 (40.0)	4 (28.6)
	<hr/>			
	Intend to practise in NZ?			
	Yes	9 (100.0)	3 (60.0)	12 (85.7)
	No	—	2 (40.0)	2 (14.3)
	Total in postgraduate training	9 (64.3)	5 (35.7)	14

(Data source: Workforce survey)

Table 3-34. Branch of postgraduate training being undertaken, based on 2015 data

Branch of dental practice	Students/Trainees
Public health	3
Education	3
Administration/Management	2
Oral health promotion	1
General Dentistry	1
Orthodontics	1
Health sciences	1
Nursing	1
Other	1
Total	14

(Data source: Workforce survey)

Section 4:

The dental technicians and clinical dental technicians workforce

Dental technicians & clinical dental technicians

2015
workforce
at a glance



353 practising

414 registered

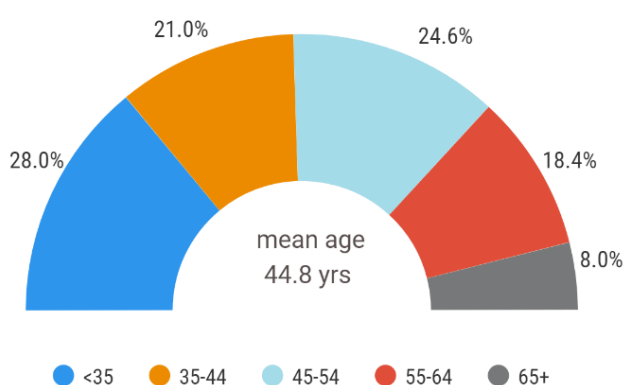
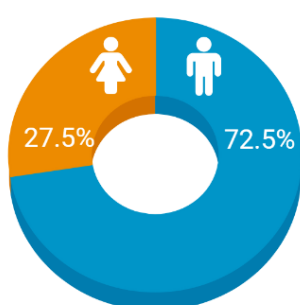


61 not practising

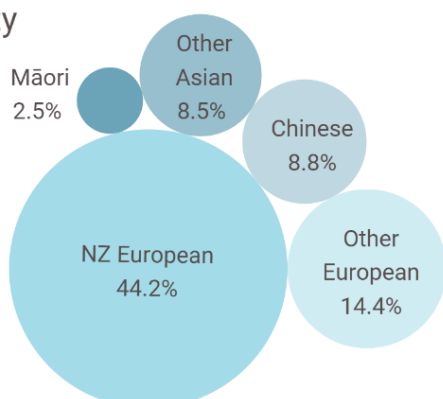
209 dental technicians



205 clinical dental technicians



Ethnicity



Primary employment

Self-employed 49.3%



38.5% Solo practice



10.8% Group practice

Employees 34.0%

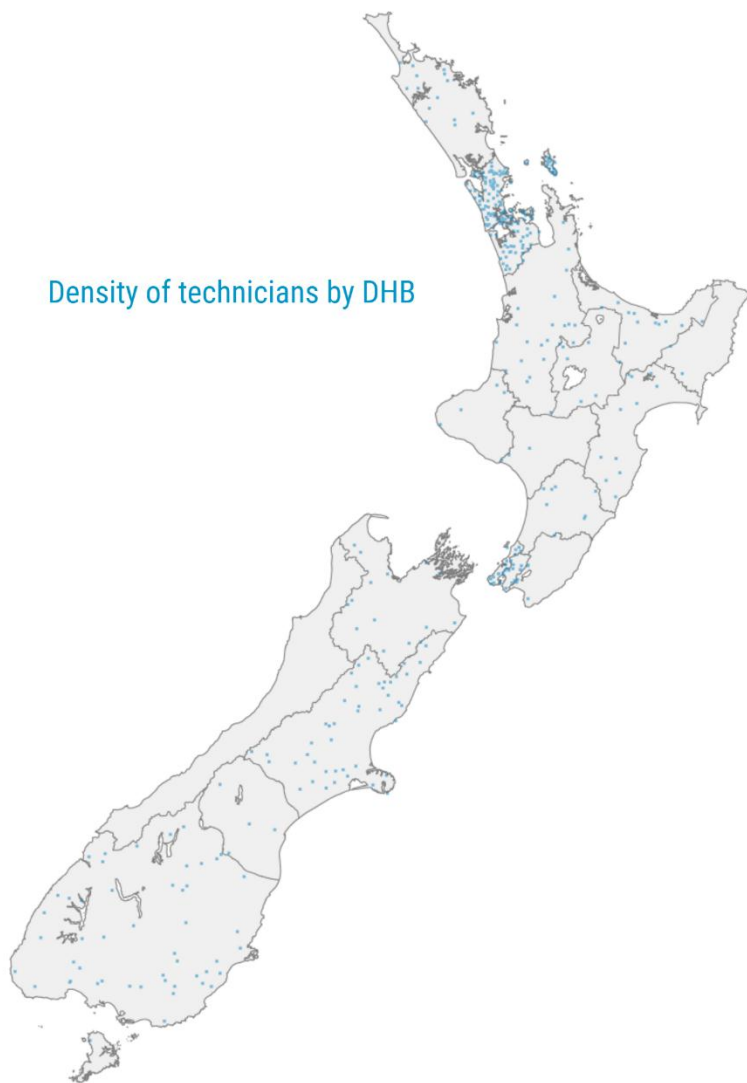


25.5% Private practice

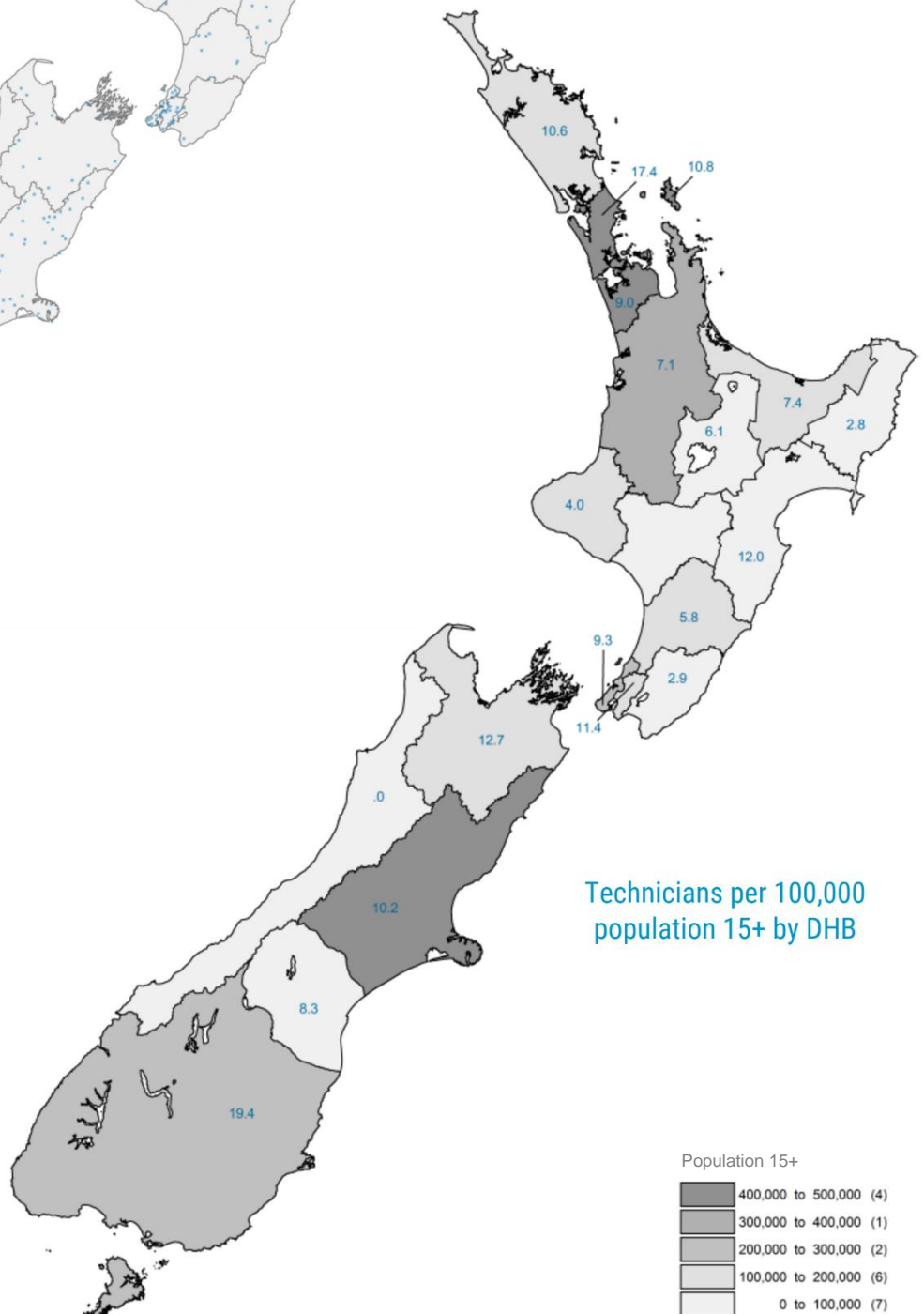


4.5% Universities

Density of technicians by DHB



Technicians per 100,000 population 15+ by DHB



Executive summary dental technicians and clinical dental technicians

Number of dental technicians and clinical dental technicians

The total number of practising dental technicians has continued its decline during 2012-2015 (-14.1%), while clinical dental technicians continued a year-on-year growth of 13.9% over the same period. For the first time in 2014 did the number of practising clinical dental technicians (177) outnumber the dental technicians (174). Dental technicians without practising certificates decreased by 27.4%, while non practising clinical dental technicians remained constant around 3.9% of the total number of dental technicians and clinical dental technicians.

In 2015 there was a total of 414 dental technicians and clinical dental technicians on the register: an overall decrease of 5% during 2012-2015. Of those, a total of 85.3% held annual practising certificates. Table 4-1

Table 4-1. Registered dental technicians and clinical dental technicians

	2012	% YoY	2013	% YoY	2014	% YoY	2015
Dental technicians with practising certificates	191	-7.9	176	-1.1	174	-5.8	164
Clinical dental technicians with practising certificates	166	1.8	169	4.7	177	6.8	189
Dental technicians without practising certificates	62	-24.2	47	23.4	58	-22.4	45
Clinical dental technicians without practising certificates	17	—	17	5.9	18	-11.1	16
Total	436	-6.2	409	4.4	427	-3.0	414

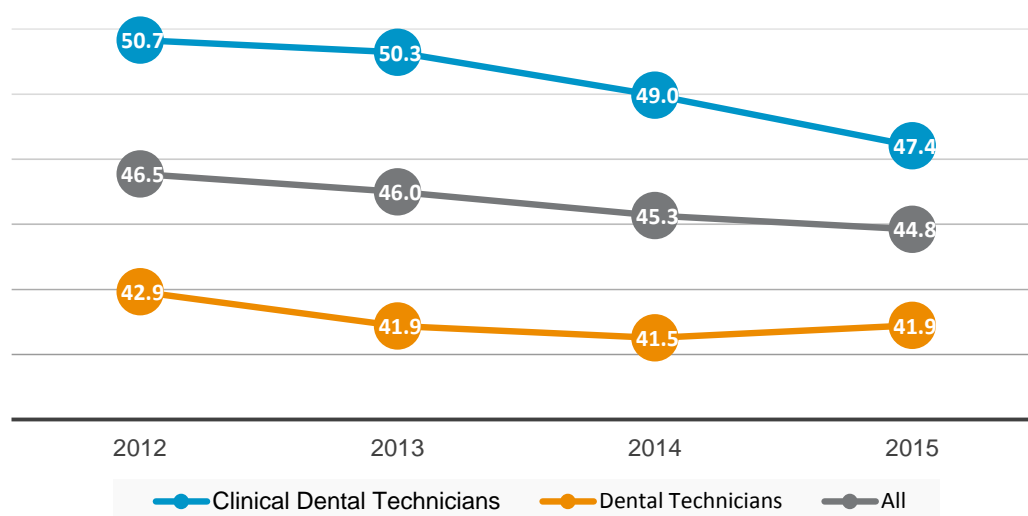
Demographics

The mean age shows a gradual decline over the four years for clinical dental technicians from 50.7 (2012) to 47.4 (2015). Dental technicians has less of a decline over the first three years (42.9 to 41.5), but a slight rise in 2015 to 41.9. Of all the professions, this group has the highest mean age (44.8).

Figure 4-1

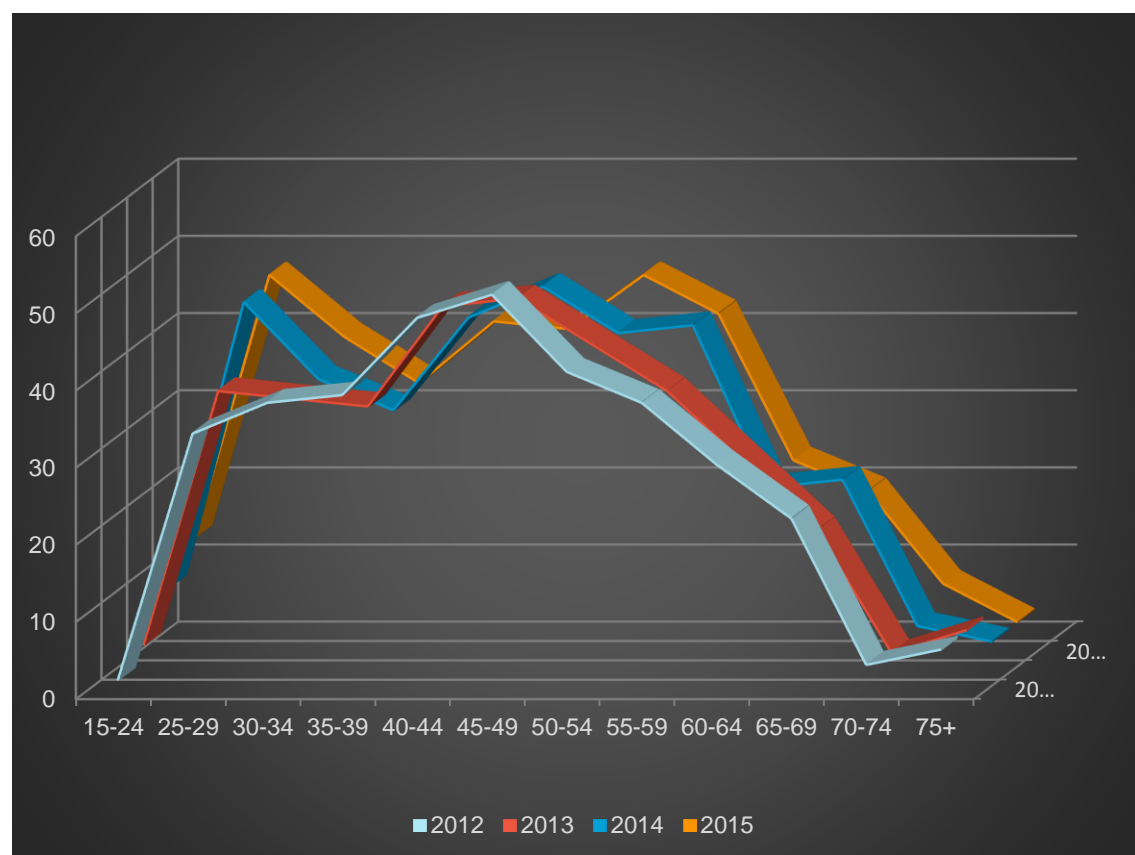
The reduction in the mean age of clinical dental technicians is due to a large proportion of dental technician graduates continuing studies to obtain the clinical dental technology qualification and registering accordingly.

Figure 4-1. Mean age of dental technicians and clinical dental technicians



The age group distribution shows an increase in the workforce for the earlier years and rapid decrease from 55 years onwards, presumably as a result of early retirement; this has been more significant since 2014. Based on 2015 data, there were still 28 dental technicians and clinical dental technicians active in the workforce over age 65, with two in the age band 75+. ^{Figure 4-2}

Figure 4-2. Age band distribution of practising dental technicians and clinical dental technicians



Females made up 27.5% of the practising dental technician and clinical technician workforce in 2015, representing a small proportional increase from 24.6%. In contrast males declined from 269 (2012) to 256 (2015), a decrease of 4.8% in actual numbers. ^{Table 4-5}

The ethnicity reported by dental technicians and clinical dental technicians reflected some diversity in the profession. Changes from 2012 to 2015 included: Indian (3-9: +200%), Chinese (18-31: +72.2%), and New Zealand European with a decrease of -10.9% (175-156). ^{Table 4-6}

Registration

Analyses related to the prescribed qualifications for this group have not been included in the report due to the large number of dental technicians and clinical dental technicians that have gained registration based on experiences acquired before the introduction of the Health Practitioners Competence Assurance Act in 2004.

Practising characteristics

Reported self-employment has declined from 198 (57.4% 2013) down to 174 (49.3% 2015), a decrease of -12.1% in actual numbers. Employees in private practice showed the biggest growth by 21.6% in actual numbers, from 74 (21.4% 2013) to 90 (25.5% 2015). ^{Table 4-9}

The main reason reported for part-time practice has moved from parental responsibilities in 2013 (24.4%) to insufficient dental work in 2014 (30.2%) and 2015 (22.9%). ^{Table 4-10}

Of the 40 dental technicians who reported that they were not practising in New Zealand in 2015, 14 (35.0%) were practising overseas, 7 (17.5%) were overseas but not practising, and 19 (47.5%) were in New Zealand but not practising. Of the last group, most (8) indicated they were not practising due to parental responsibilities; the main reason offered from 2013 to 2015. ^{Table 4-23}

Geographical distribution

The number of hours recorded by dental technicians and clinical dental technicians were minimal, this prevented FTE analysis for this group.

The analysis of territorial authorities (TAs) showed the number of dental technicians and clinical dental technicians per 100,000 population aged 15+ remained similar during the 2012-2015 period, with 10.2 for 2012 and 10.0 for 2015. Based on the 2015 data, a total of 27 TAs had no recorded dental technicians and clinical dental technicians in those districts. ^{Table 4-18}

Geographical distribution by district health boards showed a slight increase of technicians per 100,000 population aged 15+, increasing by 2.6 from 10.2 (2012) to 12.8 (2015). ^{Table 4-19 - Table 4-22}

Postgraduate studies

In 2015, 29 dental technicians indicated they were undertaking postgraduate studies, all in clinical dental technology; 89.7% indicated they intended to practise in New Zealand after completion. ^{Table 4-24}

Workforce survey response rates

The survey response rates for dental technicians and clinical dental technicians decreased over the reporting period, with an average of 88.8% and the lowest response in 2014 (84.1%). It is the second highest response rate of the professions. ^{Table 4-2}

Table 4-2. Survey responses

Year	Response rate
2012	91.7%
2013	91.9%
2014	84.1%
2015	87.4%

Dental technicians and clinical dental technicians workforce data tables

Table 4-3. Number of dental technicians and clinical dental technicians with practising certificates, by workforce reporting year

Report year	Total	Female (%)	Male (%)
2007	373	84 (22.5)	291 (78.0) ^a
2008	345	72 (20.9)	272 (78.8) ^b
2009	346	77 (22.3)	265 (76.6) ^c
2010/11	356	82 (23.0)	274 (77.0)
2011/12	357	88 (24.6)	269 (75.4)
2012/13	345	82 (23.8)	263 (76.2)
2013/14	351	91 (25.9)	260 (74.1)
2014/15	353	97 (27.5)	256 (72.5)

^a As recorded in 2007 workforce report; reported as 1 gender unknown

^b Reported as 1 gender unknown

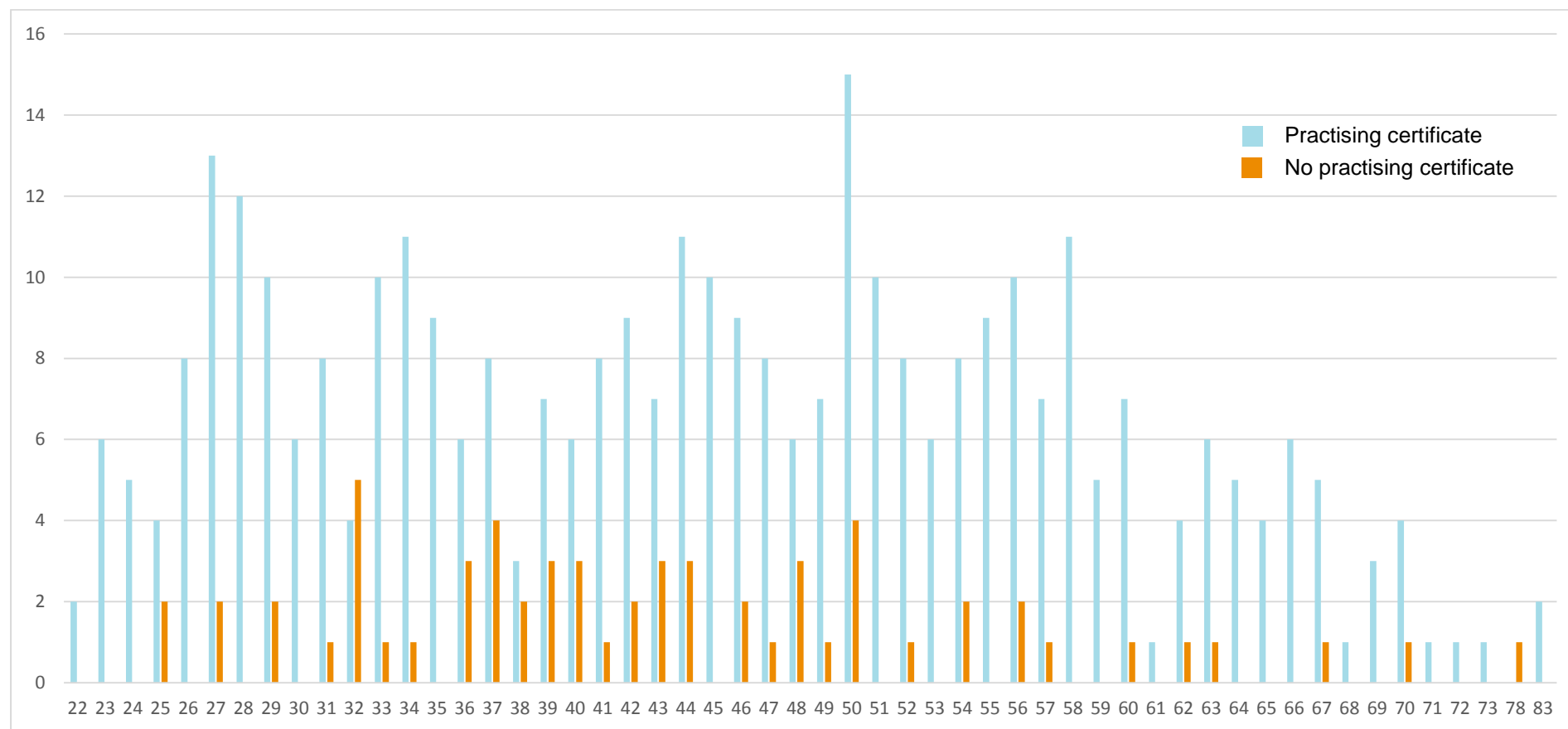
^c As recorded in 2009 workforce report; reported as 3 gender unknown
(Data sources: Dental register & previous workforce reports)

Table 4-4. Age of dental technicians and clinical dental technicians by practising certificate status, as at 31 March 2015

Age bands	Practising certificate (%)	No practising certificate (%)
15 - 24	13 (3.7)	—
25 - 29	47 (13.3)	6 (9.8)
30 - 34	39 (11.0)	8 (13.1)
35 - 39	33 (9.3)	12 (19.7)
40 - 44	41 (11.6)	12 (19.7)
45 - 49	40 (11.3)	7 (11.5)
50 - 54	47 (13.3)	7 (11.5)
55 - 59	42 (11.9)	3 (4.9)
60 - 64	23 (6.5)	3 (4.9)
65 - 69	19 (5.4)	1 (1.6)
70 - 74	7 (2.0)	1 (1.6)
75+	2 (0.6)	1 (1.6)
Total	353	61

(Data source: Dental register)

Figure 4-3. Age of dental technicians and clinical dental technicians by practising certificate status, as at 31 March 2015



(Data source: Dental register)

Figure 4-4. Age of registered dental technicians and clinical dental technicians by gender, as at 31 March 2015

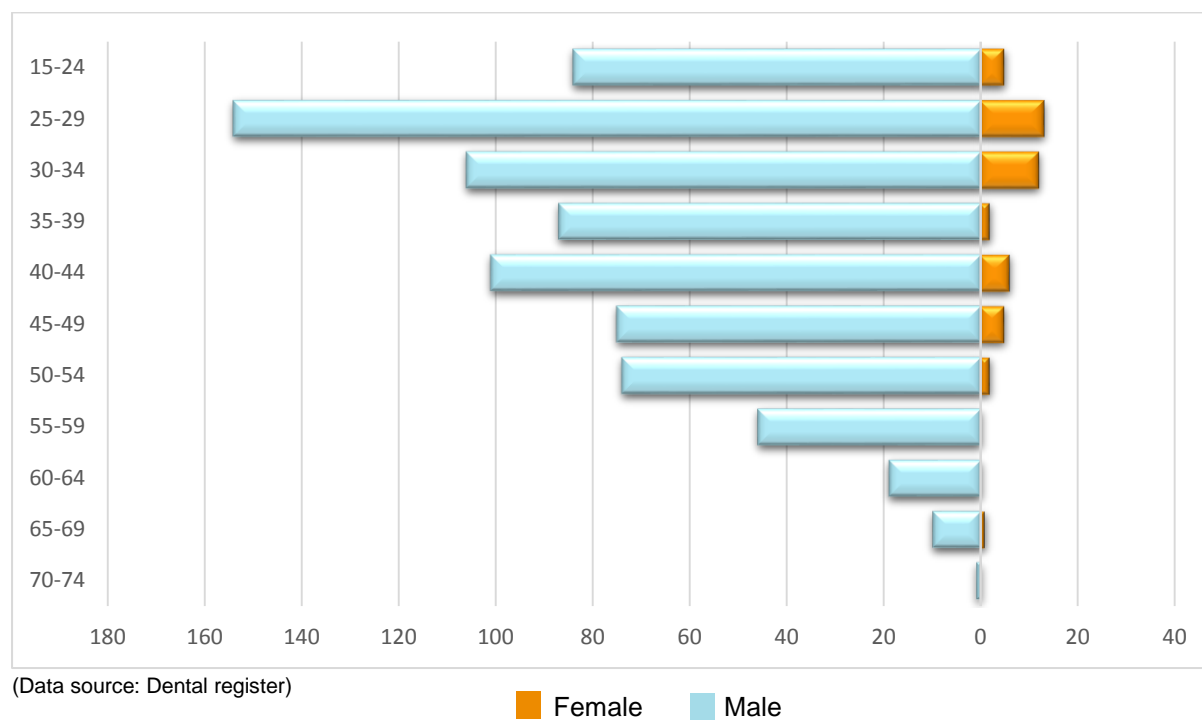


Table 4-5. Gender of dental technicians and clinical dental technicians by practising certificate status

	Gender	Practising certificate	No practising certificate	Total
2012	Female	88 (24.6)	34 (43.0)	122 (28.0)
	Male	269 (75.4)	45 (57.0)	314 (72.0)
	Total	357 (81.9)	79 (18.1)	436
2013	Female	82 (23.8)	28 (43.8)	110 (26.9)
	Male	263 (76.2)	36 (56.3)	299 (73.1)
	Total	345 (84.4)	64 (15.6)	409
2014	Female	91 (25.9)	37 (48.7)	128 (30.0)
	Male	260 (74.1)	39 (51.3)	299 (70.0)
	Total	351 (82.2)	76 (17.8)	427
2015	Female	97 (27.5)	25 (41.0)	122 (29.5)
	Male	256 (72.5)	36 (59.0)	292 (70.5)
	Total	353 (85.3)	61 (14.7)	414

(Data source: Dental register)

Table 4-6. Self-identified ethnicity by practising dental technicians and clinical dental technicians

Ethnicity	2012 ^b	2013	2014	2015
NZ European	175 (49.0)	171 (49.6)	168 (47.9)	156 (44.2)
Māori	10 (2.8)	8 (2.3)	9 (2.6)	9 (2.5)
Other European	54 (15.1)	62 (18.0)	52 (14.8)	51 (14.4)
Samoan	3 (0.8)	1 (0.3)	1 (0.3)	1 (0.3)
Tongan	1 (0.3)	1 (0.3)	1 (0.3)	1 (0.3)
Niuean	1 (0.3)	1 (0.3)	1 (0.3)	1 (0.3)
Fijian	5 (1.4)	3 (0.9)	3 (0.9)	6 (1.7)
Other Pacific Peoples	—	—	—	2 (0.6)
Chinese	18 (5.0)	19 (5.5)	24 (6.8)	31 (8.8)
Other East Asian	13 (3.6)	13 (3.8)	12 (3.4)	11 (3.1)
Indian	3 (0.8)	6 (1.7)	8 (2.3)	9 (2.5)
Other Asian	32 (9.0)	36 (10.4)	26 (7.4)	30 (8.5)
Other	30 (8.4)	20 (5.8)	25 (7.1)	27 (7.6)
No response to question	28 (7.8)	20 (5.8)	43 (12.3)	38 (10.8)
Total ^a	373	361	373	373
Total selecting an 'Other' group	129	131	115	121
Total dental technicians and clinical dental technicians	357	345	351	353

^a Total is greater due to self-identification of multiple ethnicities.

^b Denominator used for percentage values is total practising dental technicians.

(Data sources: Dental register and workforce survey)

Table 4-7. Self-identification of 'other' ethnicity by dental technicians and clinical dental technicians, by geographical area based on 2015 data

Africa		United Kingdom		Asia	
African	1	Anglo Saxon Celtic	1	Cambodian	1
Albanian	1	Celtic Scottish	1	Hong Kong	1
Egyptian	2	English	3	Japanese	13
South African	9	British/UK	7	Malaysian	1
South African European	1			Malaysian born Chinese	1
		Other European		South Korea	22
		Austrian	1	Taiwanese	1
		Dutch	2		
Americas		German	20		
Hawaiian	1	Hungarian	1	New Zealand	
		Italian	2	Caucasian New Zealander	1
		Romanian	1	New Zealand Chinese	2
Middle East		Russian	2	New Zealander	2
Arabic	1	Ukrainian	2	New Zealand Pakeha	2
Iranian	1				
Iraqi	2				
Jewish	1				
Middle Eastern	4				
				Other Oceania	
				Australian	2
				Australian/Japanese/Korean	2
Other					
Unknown	3				

(Data sources: Workforce survey)

Table 4-8. Scope of practice registrations

	Scopes of practice	Total
2012	Dental technology practice	436
	Clinical dental technology practice	183
	Implant overdentures in clinical dental technology	17
2013	Dental technology practice	409
	Clinical dental technology practice	186
	Implant overdentures in clinical dental technology	17
2014	Dental technology practice	427
	Clinical dental technology practice	195
	Implant overdentures in clinical dental technology	17
2015	Dental technology practice	414
	Clinical dental technology practice	205
	Implant overdentures in clinical dental technology	17

(Data source: Dental register)

Table 4-9. Type of primary employment of practising dental technicians and clinical dental technicians

		Dental technicians (%)	Clinical dental technicians (%)	Total number (%)	Total %
2013	Self-employed				
	Solo practice	55 (69.6)	94 (79.0)	149 (75.3)	43.2
	Group practice	24 (30.4)	25 (21.0)	49 (24.7)	14.2
	Subtotal	79	119	198	57.4
	Employee				
	Private practice	44 (67.7)	30 (73.2)	74 (69.8)	21.4
	DHB	7 (10.8)	6 (14.6)	13 (12.3)	3.8
	Universities	11 (16.9)	5 (12.2)	16 (15.1)	4.6
	Government Department, not MOH	3 (4.6)	—	3 (2.8)	0.9
	Iwi	—	—	—	—
	Ministry of Health	—	—	—	—
	Subtotal	65	41	106	30.7
	Other forms of employment	6	1	7	2.0
	No reply to question	26	8	34	9.9
Total		176	169	345	
2014	Self-employed				
	Solo practice	53 (81.5)	89 (84.0)	142 (83.0)	40.5
	Group practice	12 (18.5)	17 (16.0)	29 (17.0)	8.3
	Subtotal	65	106	171	48.7
	Employee				
	Private practice	54 (75.0)	37 (77.1)	91 (75.8)	25.9
	DHB	6 (8.3)	5 (10.4)	11 (9.2)	3.1
	Universities	9 (12.5)	6 (12.5)	15 (12.5)	4.3
	Government Department, not MOH	3 (4.2)	—	3 (2.5)	0.9
	Iwi	—	—	—	—
	Ministry of Health	—	—	—	—
	Subtotal	72	48	120	34.2
	Other forms of employment	5	2	7	2.0
	No reply to question	32	21	53	15.1
Total		174	177	351	

	Dental technicians (%)	Clinical dental technicians (%)	Total number (%)	Total %
2015				
Self-employed				
Solo practice	46 (73.0)	90 (81.1)	136 (78.2)	38.5
Group practice	17 (27.0)	21 (18.9)	38 (21.8)	10.8
Subtotal	63	111	174	49.3
Employee				
Private practice	51 (72.9)	39 (78.0)	90 (75.0)	25.5
DHB	6 (8.6)	5 (10.0)	11 (9.2)	3.1
Universities	10 (14.3)	6 (12.0)	16 (13.3)	4.5
Government Department, not MOH	3 (4.3)	—	3 (2.5)	0.8
Iwi	—	—	—	—
Ministry of Health	—	—	—	—
Subtotal	70	50	120	34.0
Other forms of employment	5	2	7	2.0
No reply to question	26	26	52	14.7
Total	164	189	353	

(Data source: Workforce survey)

Table 4-10. Reasons for part-time practice by dental technicians and clinical dental technicians practising in New Zealand

	Reason for practising part-time	Females (%)	Males (%)	Total (%)
2013	Engaged in non-dental work	1 (6.3)	1 (3.4)	2 (4.4)
	Insufficient dental work	3 (18.8)	4 (13.8)	7 (15.6)
	Seeking dental work	—	1 (3.4)	1 (2.2)
	Semi-retired	1 (6.3)	8 (27.6)	9 (20.0)
	Parental responsibilities	8 (50.0)	3 (10.3)	11 (24.4)
	Personal choice	2 (12.5)	7 (24.1)	9 (20.0)
	Other	1 (6.3)	5 (17.2)	6 (13.3)
	Total working part time	16	29	45
2014	Engaged in non-dental work	1 (5.6)	3 (12.0)	4 (9.3)
	Insufficient dental work	7 (38.9)	6 (24.0)	13 (30.2)
	Seeking dental work	—	1 (4.0)	1 (2.3)
	Semi-retired	1 (5.6)	5 (20.0)	6 (14.0)
	Parental responsibilities	6 (33.3)	1 (4.0)	7 (16.3)
	Personal choice	2 (11.1)	4 (16.0)	6 (14.0)
	Other	1 (5.6)	5 (20.0)	6 (14.0)
	Total working part time	18	25	43
2015	Engaged in non-dental work	1 (7.1)	5 (23.8)	6 (17.1)
	Insufficient dental work	4 (28.6)	4 (19.0)	8 (22.9)
	Seeking dental work	1 (7.1)	—	1 (2.9)
	Semi-retired	—	5 (23.8)	5 (14.3)
	Parental responsibilities	6 (42.9)	—	6 (17.1)
	Personal choice	2 (14.3)	3 (14.3)	5 (14.3)
	Other (see below)	—	4 (19.0)	4 (11.4)
	Total working part time	14	21	35

Reasons offered by the 4 who selected 'other' reasons for practising part-time, based on the 2015 data (number):

Teaching (2)
Studying (1)
Contract hours (1)

(Data source: Workforce survey)

Table 4-11. Geographic distribution of practising dental technicians and clinical dental technicians by Territorial Authority (TA), for 2012

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Far North	—	2 (1.2)	2 (0.6)
Whangarei	3 (1.6)	5 (3.0)	8 (2.2)
Kaipara	—	—	—
Auckland unitary authority	101 (52.9)	42 (25.3)	143 (40.1)
<i>Rodney</i>	9 (4.7)	2 (1.2)	11 (3.1)
<i>North Shore</i>	33 (17.3)	13 (7.8)	46 (12.9)
<i>Waitakere</i>	6 (3.1)	4 (2.4)	10 (2.8)
<i>Auckland</i>	39 (20.4)	12 (7.2)	51 (14.3)
<i>Manukau</i>	9 (4.7)	6 (3.6)	15 (4.2)
<i>Papakura</i>	5 (2.6)	4 (2.4)	9 (2.5)
<i>Franklin</i>	—	1 (0.6)	1 (0.3)
Thames-Coromandel District	1 (0.5)	—	1 (0.3)
Hauraki District	—	—	—
Waikato District	2 (1.0)	—	2 (0.6)
Matamata-Piako District	—	—	—
Hamilton City	2 (1.0)	10 (6.0)	12 (3.4)
Waipa District	—	1 (0.6)	1 (0.3)
Otorohanga District	—	—	—
South Waikato District	—	1 (0.6)	1 (0.3)
Waitomo District	—	—	—
Taupo District	2 (1.0)	2 (1.2)	4 (1.1)
Western Bay of Plenty District	—	1 (0.6)	1 (0.3)
Tauranga City	4 (2.1)	6 (3.6)	10 (2.8)
Rotorua District	—	2 (1.2)	2 (0.6)
Whakatane District	2 (1.0)	1 (0.6)	3 (0.8)
Kawerau District	—	1 (0.6)	1 (0.3)
Opotiki District	—	—	—
Gisborne District	—	2 (1.2)	2 (0.6)
Wairoa District	—	—	—
Hastings District	2 (1.0)	1 (0.6)	3 (0.8)
Napier City	4 (2.1)	5 (3.0)	9 (2.5)
Central Hawke's Bay District	—	1 (0.6)	1 (0.3)
New Plymouth District	2 (1.0)	3 (1.8)	5 (1.4)
Stratford District	—	—	—
South Taranaki District	—	—	—
Ruapehu District	—	—	—
Wanganui District	—	2 (1.2)	2 (0.6)
Rangitikei District	—	—	—

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Manawatu District	—	1 (0.6)	1 (0.3)
Palmerston North City	2 (1.0)	4 (2.4)	6 (1.7)
Taranua District	—	—	—
Horowhenua District	—	1 (0.6)	1 (0.3)
Kapiti Coast District	1 (0.5)	1 (0.6)	2 (0.6)
Porirua City	—	1 (0.6)	1 (0.3)
Upper Hutt City	4 (2.1)	2 (1.2)	6 (1.7)
Lower Hutt City	1 (0.5)	5 (3.0)	6 (1.7)
Wellington City	9 (4.7)	8 (4.8)	17 (4.8)
Masterton District	—	1 (0.6)	1 (0.3)
Carterton District	—	—	—
South Wairarapa District	—	—	—
Tasman District	—	—	—
Nelson City	6 (3.1)	2 (1.2)	8 (2.2)
Marlborough District	1 (0.5)	3 (1.8)	4 (1.1)
Kaikoura District	—	—	—
Buller District	—	—	—
Grey District	—	—	—
Westland District	—	—	—
Hurunui District	—	—	—
Waimakariri District	—	1 (0.6)	1 (0.3)
Christchurch City	14 (7.3)	22 (13.3%)	36 (10.1)
Selwyn District	—	—	—
Ashburton District	—	1 (0.6)	1 (0.3)
Timaru District	1 (0.5)	1 (0.6)	2 (0.6)
Mackenzie District	—	—	—
Waimate District	—	—	—
Chatham Islands Territory	—	—	—
Waitaki District	—	2 (1.2)	2 (0.6)
Central Otago District	—	1 (0.6)	1 (0.3)
Queenstown-Lakes District	2 (1.0)	1 (0.6)	3 (0.8)
Dunedin City	21 (11.0)	13 (7.8)	34 (9.5)
Clutha District	—	—	—
Southland District	—	—	—
Gore District	—	—	—
Invercargill City	1 (0.5%)	4 (2.4)	5 (1.4)
TLA code not available	3 (1.6%)	3 (1.8)	6 (1.7)
Total	191	166	357

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 4-12. Population to practising dental technicians and clinical dental technicians by TA, for 2012

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-technicians ratio ^a	Technicians per 100,000 population aged 15+
Far North	60,400	46,700	23,350.0	4.3
Whangarei	82,800	64,600	8,075.0	12.4
Kaipara	20,300	16,100	—	—
Auckland	1,476,500	1,164,100	8,140.6	12.3
Thames-Coromandel District	27,200	22,700	22,700.0	4.4
Hauraki District	18,600	14,950	—	—
Waikato District	66,100	50,100	25,050.0	4.0
Matamata-Piako District	32,600	25,500	—	—
Hamilton City	148,100	116,000	9,666.7	10.3
Waipa District	48,200	37,700	37,700.0	2.7
Otorohanga District	9,570	7,350	—	—
South Waikato District	23,200	17,700	17,700.0	5.6
Waitomo District	9,490	7,180	—	—
Taupo District	34,600	27,200	6,800.0	14.7
Western Bay of Plenty District	45,500	36,300	36,300.0	2.8
Tauranga City	118,300	93,700	9,370.0	10.7
Rotorua District	68,600	52,400	26,200.0	3.8
Whakatane District	34,300	26,200	8,733.3	11.5
Kawerau District	6,850	5,080	5,080.0	19.7
Opotiki District	8,870	6,800	—	—
Gisborne District	47,000	35,200	17,600.0	5.7
Wairoa District	8,350	6,250	—	—
Hastings District	76,400	58,700	19,566.7	5.1
Napier City	59,400	47,200	5,244.4	19.1
Central Hawke's Bay District	13,350	10,600	10,600.0	9.4
New Plymouth District	76,200	60,600	12,120.0	8.3
Stratford District	9,230	7,200	—	—
South Taranaki District	27,400	21,100	—	—
Ruapehu District	12,600	9,700	—	—
Wanganui District	43,600	34,700	17,350.0	5.8
Rangitikei District	14,550	11,500	—	—
Manawatu District	28,200	22,300	22,300.0	4.5
Palmerston North City	83,300	66,400	11,066.7	9.0
Taranua District	17,600	13,700	—	—
Horowhenua District	31,200	25,100	25,100.0	4.0
Kapiti Coast District	50,400	41,100	20,550.0	4.9
Porirua City	53,400	40,300	40,300.0	2.5
Upper Hutt City	41,300	32,900	5,483.3	18.2

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- technicians ratio ^a	Technicians per 100,000 population aged 15+
Lower Hutt City	101,200	79,400	13,233.3	7.6
Wellington City	196,600	162,300	9,547.1	10.5
Masterton District	24,100	19,200	19,200.0	5.2
Carterton District	8,310	6,640	—	—
South Wairarapa District	9,710	7,800	—	—
Tasman District	48,600	38,800	—	—
Nelson City	48,200	39,100	4,887.5	20.5
Marlborough District	44,600	36,600	9,150.0	10.9
Kaikoura District	3,680	3,060	—	—
Buller District	10,650	8,650	—	—
Grey District	13,900	11,100	—	—
Westland District	8,560	6,990	—	—
Hurunui District	11,800	9,500	—	—
Waimakariri District	50,500	40,100	40,100.0	2.5
Christchurch City	355,100	290,700	8,075.0	12.4
Selwyn District	44,400	34,600	—	—
Ashburton District	31,700	25,200	25,200.0	4.0
Timaru District	45,100	36,800	18,400.0	5.4
Mackenzie District	4,280	3,450	—	—
Waimate District	7,720	6,330	—	—
Chatham Islands Territory	600	480	—	—
Waitaki District	21,300	17,400	8,700.0	11.5
Central Otago District	18,200	14,850	14,850.0	6.7
Queenstown-Lakes District	28,800	23,500	7,833.3	12.8
Dunedin City	123,500	103,500	3,044.1	32.9
Clutha District	17,300	13,700	—	—
Southland District	30,200	23,600	—	—
Gore District	12,400	9,900	—	—
Invercargill City	53,200	42,600	8,520.0	11.7
Missing/outside TA	70	70		
Total ^b	4,408,100	3,498,200	9,798.9	10.2

^a Population estimate as at 30 June 2012

^b Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 4-13. Geographic distribution of practising dental technicians and clinical dental technicians by TA, for 2013

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Far North	—	2 (1.2)	2 (0.6)
Whangarei	3 (1.7)	5 (3.0)	8 (2.3)
Kaipara	—	—	—
Auckland unitary authority	88 (50.0)	45 (26.6)	133 (38.6)
<i>Rodney</i>	7 (4.0)	2 (1.2)	9 (2.6)
<i>North Shore</i>	31 (17.6)	15 (8.9)	46 (13.3)
<i>Waitakere</i>	4 (2.3)	5 (3.0)	9 (2.6)
<i>Auckland</i>	34 (19.3)	10 (5.9)	44 (12.8)
<i>Manukau</i>	7 (4.0)	8 (4.7)	15 (4.3)
<i>Papakura</i>	5 (2.8)	3 (1.8)	8 (2.3)
<i>Franklin</i>	—	2 (1.2)	2 (0.6)
Thames-Coromandel District	1 (0.6)	—	1 (0.3)
Hauraki District	—	—	—
Waikato District	2 (1.1)	—	2 (0.6)
Matamata-Piako District	—	—	—
Hamilton City	2 (1.1)	10 (5.9)	12 (3.5)
Waipa District	—	2 (1.2)	2 (0.6)
Otorohanga District	—	—	—
South Waikato District	—	1 (0.6)	1 (0.3)
Waitomo District	—	—	—
Taupo District	2 (1.1)	2 (1.2)	4 (1.2)
Western Bay of Plenty District	—	1 (0.6)	1 (0.3)
Tauranga City	4 (2.3)	6 (3.6)	10 (2.9)
Rotorua District	—	2 (1.2)	2 (0.6)
Whakatane District	1 (0.6)	1 (0.6)	2 (0.6)
Kawerau District	—	1 (0.6)	1 (0.3)
Opotiki District	—	—	—
Gisborne District	—	2 (1.2)	2 (0.6)
Wairoa District	—	—	—
Hastings District	2 (1.1)	2 (1.2)	4 (1.2)
Napier City	4 (2.3)	4 (2.4)	8 (2.3)
Central Hawke's Bay District	—	—	—
New Plymouth District	1 (0.6)	4 (2.4)	5 (1.4)
Stratford District	—	—	—
South Taranaki District	—	—	—
Ruapehu District	—	—	—
Wanganui District	—	2 (1.2)	2 (0.6)
Rangitikei District	—	—	—

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Manawatu District	—	1 (0.6)	1 (0.3)
Palmerston North City	2 (1.1)	4 (2.4)	6 (1.7)
Tararua District	—	—	—
Horowhenua District	—	1 (0.6)	1 (0.3)
Kapiti Coast District	1 (0.6)	2 (1.2)	3 (0.9)
Porirua City	—	—	—
Upper Hutt City	4 (2.3)	2 (1.2)	6 (1.7)
Lower Hutt City	1 (0.6)	5 (3.0)	6 (1.7)
Wellington City	10 (5.7)	8 (4.7)	18 (5.2)
Masterton District	—	1 (0.6)	1 (0.3)
Carterton District	1 (0.6)	—	1 (0.3)
South Wairarapa District	—	—	—
Tasman District	—	—	—
Nelson City	5 (2.8)	5 (3.0)	10 (2.9)
Marlborough District	1 (0.6)	3 (1.8)	4 (1.2)
Kaikoura District	—	—	—
Buller District	—	—	—
Grey District	—	—	—
Westland District	—	—	—
Hurunui District	—	—	—
Waimakariri District	—	2 (1.2)	2 (0.6)
Christchurch City	15 (8.5)	22 (13.0)	37 (10.7)
Selwyn District	—	—	—
Ashburton District	—	1 (0.6)	1 (0.3)
Timaru District	3 (1.7)	1 (0.6)	4 (1.2)
Mackenzie District	—	—	—
Waimate District	—	—	—
Chatham Islands Territory	—	—	—
Waitaki District	—	2 (1.2)	2 (0.6)
Central Otago District	—	1 (0.6)	1 (0.3)
Queenstown-Lakes District	2 (1.1)	1 (0.6)	3 (0.9)
Dunedin City	19 (10.8)	12 (7.1)	31 (9.0)
Clutha District	—	—	—
Southland District	—	—	—
Gore District	—	—	—
Invercargill City	1 (0.6)	1 (0.6)	2 (0.6)
TLA code not available	1 (0.6)	2 (1.2)	3 (0.9)
Total	176	169	345

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 4-14. Population to practising dental technicians and clinical dental technicians by TA, for 2013

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-technicians ratio ^a	Technicians per 100,000 population aged 15+
Far North	60,600	46,900	23,450.0	4.3
Whangarei	83,700	65,200	8,150.0	12.3
Kaipara	20,500	16,300	—	—
Auckland	1,493,200	1,181,700	8,885.0	11.3
Thames-Coromandel District	27,300	22,800	22,800.0	4.4
Hauraki District	18,600	14,950	—	—
Waikato District	66,500	50,500	25,250.0	4.0
Matamata-Piako District	32,900	25,700	—	—
Hamilton City	150,200	117,800	9,816.7	10.2
Waipa District	48,700	38,200	19,100.0	5.2
Otorohanga District	9,590	7,340	—	—
South Waikato District	23,200	17,700	17,700.0	5.6
Waitomo District	9,340	7,090	—	—
Taupo District	34,800	27,200	6,800.0	14.7
Western Bay of Plenty District	45,500	36,400	36,400.0	2.7
Tauranga City	119,800	95,000	9,500.0	10.5
Rotorua District	68,400	52,600	26,300.0	3.8
Whakatane District	34,200	26,200	13,100.0	7.6
Kawerau District	6,650	4,940	4,940.0	20.2
Opotiki District	8,780	6,760	—	—
Gisborne District	47,000	35,300	17,650.0	5.7
Wairoa District	8,300	6,230	—	—
Hastings District	76,700	59,000	14,750.0	6.8
Napier City	59,600	47,400	5,925.0	16.9
Central Hawke's Bay District	13,250	10,500	—	—
New Plymouth District	77,100	61,300	12,260.0	8.2
Stratford District	9,210	7,180	—	—
South Taranaki District	27,500	21,200	—	—
Ruapehu District	12,450	9,550	—	—
Wanganui District	43,500	34,700	17,350.0	5.8
Rangitikei District	14,550	11,400	—	—
Manawatu District	28,500	22,500	22,500.0	4.4
Palmerston North City	83,500	66,800	11,133.3	9.0
Taranua District	17,450	13,600	—	—
Horowhenua District	31,200	25,200	25,200.0	4.0
Kapiti Coast District	50,700	41,400	13,800.0	7.2
Porirua City	53,700	40,600	—	—
Upper Hutt City	41,300	32,900	5,483.3	18.2
Lower Hutt City	101,200	79,600	13,266.7	7.5
Wellington City	197,500	163,300	9,072.2	11.0
Masterton District	24,100	19,200	19,200.0	5.2
Carterton District	8,490	6,790	6,790.0	14.7
South Wairarapa District	9,800	7,880	—	—
Tasman District	48,800	39,100	—	—
Nelson City	48,700	39,500	3,950.0	25.3
Marlborough District	44,700	36,600	9,150.0	10.9
Kaikoura District	3,640	3,000	—	—

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-technicians ratio ^a	Technicians per 100,000 population aged 15+
Buller District	10,650	8,650	—	—
Grey District	13,700	11,000	—	—
Westland District	8,570	6,980	—	—
Hurunui District	12,000	9,650	—	—
Waimakariri District	52,300	41,700	20,850.0	4.8
Christchurch City	356,700	292,800	7,913.5	12.6
Selwyn District	46,700	36,200	—	—
Ashburton District	32,300	25,600	25,600.0	3.9
Timaru District	45,400	37,100	9,275.0	10.8
Mackenzie District	4,300	3,440	—	—
Waimate District	7,810	6,390	—	—
Chatham Islands Territory	600	480	—	—
Waitaki District	21,400	17,500	8,750.0	11.4
Central Otago District	18,500	15,100	15,100.0	6.6
Queenstown-Lakes District	29,700	24,300	8,100.0	12.3
Dunedin City	123,500	103,400	3,335.5	30.0
Clutha District	17,250	13,650	—	—
Southland District	30,300	23,600	—	—
Gore District	12,400	9,950	—	—
Invercargill City	53,200	42,700	21,350.0	4.7
Missing/outside TA	80	100		
Total ^b	4,442,100	3,533,300	10,241.4	9.8

^a Population estimate as at 30 June 2013

^b Due to rounding, individual figures may not always sum to the stated totals

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 4-15. Geographic distribution of practising dental technicians and clinical dental technicians by TA, for 2014

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Far North	—	2 (1.1)	2 (0.6)
Whangarei	3 (1.7)	6 (3.4)	9 (2.6)
Kaipara	—	—	—
Auckland unitary authority	85 (48.9)	49 (27.7)	134 (38.2)
<i>Rodney</i>	7 (4.0)	2 (1.1)	9 (2.6)
<i>North Shore</i>	26 (14.9)	14 (7.9)	40 (11.4)
<i>Waitakere</i>	4 (2.3)	5 (2.8)	9 (2.6)
<i>Auckland</i>	33 (19.0)	12 (6.8)	45 (12.8)
<i>Manukau</i>	9 (5.2)	11 (6.2)	20 (5.7)
<i>Papakura</i>	5 (2.9)	3 (1.7)	8 (2.3)
<i>Franklin</i>	1 (0.6)	2 (1.1)	3 (0.9)
Thames-Coromandel District	1 (0.6)	—	1 (0.3)
Hauraki District	—	—	—
Waikato District	2 (1.1)	1 (0.6)	3 (0.9)
Matamata-Piako District	—	—	—
Hamilton City	2 (1.1)	10 (5.6)	12 (3.4)
Waipa District	—	2 (1.1)	2 (0.6)
Otorohanga District	—	—	—
South Waikato District	—	—	—
Waitomo District	—	—	—
Taupo District	1 (0.6)	2 (1.1)	3 (0.9)
Western Bay of Plenty District	—	1 (0.6)	1 (0.3)
Tauranga City	4 (2.3)	6 (3.4)	10 (2.8)
Rotorua District	—	3 (1.7)	3 (0.9)
Whakatane District	—	1 (0.6)	1 (0.3)
Kawerau District	—	1 (0.6)	1 (0.3)
Opotiki District	—	—	—
Gisborne District	1 (0.6)	2 (1.1)	3 (0.9)
Wairoa District	—	—	—
Hastings District	2 (1.1)	3 (1.7)	5 (1.4)
Napier City	4 (2.3)	4 (2.3)	8 (2.3)
Central Hawke's Bay District	—	—	—
New Plymouth District	1 (0.6)	4 (2.3)	5 (1.4)
Stratford District	—	—	—
South Taranaki District	—	—	—
Ruapehu District	—	—	—
Wanganui District	—	2 (1.1)	2 (0.6)
Rangitikei District	—	—	—

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Manawatu District	—	1 (0.6)	1 (0.3)
Palmerston North City	2 (1.1)	4 (2.3)	6 (1.7)
Tararua District	—	—	—
Horowhenua District	—	1 (0.6)	1 (0.3)
Kapiti Coast District	1 (0.6)	1 (0.6)	2 (0.6)
Porirua City	—	2 (1.1)	2 (0.6)
Upper Hutt City	4 (2.3)	2 (1.1)	6 (1.7)
Lower Hutt City	1 (0.6)	4 (2.3)	5 (1.4)
Wellington City	10 (5.7)	7 (4.0)	17 (4.8)
Masterton District	—	1 (0.6)	1 (0.3)
Carterton District	—	1 (0.6)	1 (0.3)
South Wairarapa District	—	—	—
Tasman District	3 (1.7)	—	3 (0.9)
Nelson City	3 (1.7)	3 (1.7)	6 (1.7)
Marlborough District	2 (1.1)	2 (1.1)	4 (1.1)
Kaikoura District	—	—	—
Buller District	—	—	—
Grey District	—	—	—
Westland District	—	—	—
Hurunui District	—	—	—
Waimakariri District	—	3 (1.7)	3 (0.9)
Christchurch City	15 (8.6)	21 (11.9)	36 (10.3)
Selwyn District	—	—	—
Ashburton District	—	1 (0.6)	1 (0.3)
Timaru District	2 (1.1)	3 (1.7)	5 (1.4)
Mackenzie District	—	—	—
Waimate District	—	—	—
Chatham Islands Territory	—	—	—
Waitaki District	—	2 (1.1)	2 (0.6)
Central Otago District	—	1 (0.6)	1 (0.3)
Queenstown-Lakes District	2 (1.1)	1 (0.6)	3 (0.9)
Dunedin City	22 (12.6)	12 (6.8)	34 (9.7)
Clutha District	—	—	—
Southland District	—	—	—
Gore District	—	—	—
Invercargill City	1 (0.6)	3 (1.7)	4 (1.1)
TLA code not available	—	2 (1.1)	2 (0.6)
Total	174	177	351

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 4-16. Population to practising dental technicians and clinical dental technicians by TA, for 2014

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- technicians ratio ^a	Technicians per 100,000 population aged 15+
Far North	61,000	47,200	23,600.0	4.2
Whangarei	84,400	65,900	7,322.2	13.7
Kaipara	20,700	16,600	—	—
Auckland	1,526,900	1,213,200	9,053.7	11.0
Thames-Coromandel District	27,500	23,000	23,000.0	4.3
Hauraki District	18,800	15,100	—	—
Waikato District	68,000	51,700	17,233.3	5.8
Matamata-Piako District	33,300	26,100	—	—
Hamilton City	153,000	120,500	10,041.7	10.0
Waipa District	49,300	39,000	19,500.0	5.1
Otorohanga District	9,650	7,320	—	—
South Waikato District	23,300	17,900	—	—
Waitomo District	9,400	7,140	—	—
Taupo District	35,100	27,600	9,200.0	10.9
Western Bay of Plenty District	45,900	36,800	36,800.0	2.7
Tauranga City	121,800	96,900	9,690.0	10.3
Rotorua District	68,500	52,800	17,600.0	5.7
Whakatane District	34,300	26,400	26,400.0	3.8
Kawerau District	6,600	4,940	4,940.0	20.2
Opotiki District	8,830	6,770	—	—
Gisborne District	47,100	35,500	11,833.3	8.5
Wairoa District	8,200	6,160	—	—
Hastings District	77,400	59,700	11,940.0	8.4
Napier City	60,000	47,900	5,987.5	16.7
Central Hawke's Bay District	13,250	10,500	—	—
New Plymouth District	78,200	62,200	12,440.0	8.0
Stratford District	9,260	7,240	—	—
South Taranaki District	27,500	21,200	—	—
Ruapehu District	12,450	9,550	—	—
Wanganui District	43,400	34,600	17,300.0	5.8
Rangitikei District	14,600	11,450	—	—
Manawatu District	28,800	22,800	22,800.0	4.4
Palmerston North City	84,400	67,600	11,266.7	8.9
Taranua District	17,350	13,500	—	—
Horowhenua District	31,300	25,400	25,400.0	3.9
Kapiti Coast District	51,100	41,800	20,900.0	4.8
Porirua City	54,100	41,100	20,550.0	4.9
Upper Hutt City	41,800	33,200	5,533.3	18.1

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- technicians ratio ^a	Technicians per 100,000 population aged 15+
Lower Hutt City	101,700	80,300	16,060.0	6.2
Wellington City	200,000	166,100	9,770.6	10.2
Masterton District	24,200	19,400	19,400.0	5.2
Carterton District	8,680	6,970	6,970.0	14.3
South Wairarapa District	9,920	7,990	—	—
Tasman District	49,100	39,500	13,166.7	7.6
Nelson City	49,300	40,000	6,666.7	15.0
Marlborough District	44,800	36,800	9,200.0	10.9
Kaikoura District	3,640	3,030	—	—
Buller District	10,550	8,650	—	—
Grey District	13,600	10,950	—	—
Westland District	8,640	7,080	—	—
Hurunui District	12,200	9,800	—	—
Waimakariri District	54,400	43,400	14,466.7	6.9
Christchurch City	361,900	298,200	8,283.3	12.1
Selwyn District	49,500	38,500	—	—
Ashburton District	32,800	26,000	26,000.0	3.8
Timaru District	45,900	37,600	7,520.0	13.3
Mackenzie District	4,320	3,490	—	—
Waimate District	7,880	6,420	—	—
Chatham Islands Territory	600	490	—	—
Waitaki District	21,700	17,700	8,850.0	11.3
Central Otago District	18,850	15,450	15,450.0	6.5
Queenstown-Lakes District	30,900	25,200	8,400.0	11.9
Dunedin City	124,600	104,600	3,076.5	32.5
Clutha District	17,350	13,800	—	—
Southland District	30,400	23,700	—	—
Gore District	12,400	9,950	—	—
Invercargill City	53,700	42,900	10,725.0	9.3
Missing/outside TA	80	100		
Total ^b	4,509,700	3,533,300	10,066.4	9.9

^a Population estimate as at 30 June 2014

^b Due to rounding, individual figures may not always sum to the stated totals.
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 4-17. Geographic distribution of dental technicians and clinical dental technicians by TA, for 2015

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Far North	—	2 (1.1)	2 (0.6)
Whangarei	3 (1.8)	7 (3.7)	10 (2.8)
Kaipara	1 (0.6)	—	1 (0.3)
Auckland unitary authority	76 (46.3)	60 (31.7)	136 (38.5)
<i>Rodney</i>	6 (3.7)	4 (2.1)	10 (2.8)
<i>North Shore</i>	22 (13.4)	22 (11.6)	44 (12.5)
<i>Waitakere</i>	3 (1.8)	5 (2.6)	8 (2.3)
<i>Auckland</i>	32 (19.5)	10 (5.3)	42 (11.9)
<i>Manukau</i>	10 (6.1)	13 (6.9)	23 (6.5)
<i>Papakura</i>	3 (1.8)	1 (0.5)	4 (1.1)
<i>Franklin</i>	—	5 (2.6)	5 (1.4)
Thames-Coromandel District	—	—	—
Hauraki District	—	—	—
Waikato District	2 (1.2)	1 (0.5)	3 (0.8)
Matamata-Piako District	—	—	—
Hamilton City	2 (1.2)	10 (5.3)	12 (3.4)
Waipa District	—	1 (0.5)	1 (0.3)
Otorohanga District	—	—	—
South Waikato District	—	—	—
Waitomo District	—	—	—
Taupo District	—	2 (1.1)	2 (0.6)
Western Bay of Plenty District	1 (0.6)	1 (0.5)	2 (0.6)
Tauranga City	2 (1.2)	6 (3.2)	8 (2.3)
Rotorua District	—	2 (1.1)	2 (0.6)
Whakatane District	—	2 (1.1)	2 (0.6)
Kawerau District	—	1 (0.5)	1 (0.3)
Opotiki District	—	—	—
Gisborne District	—	1 (0.5)	1 (0.3)
Wairoa District	—	—	—
Hastings District	—	3 (1.6)	3 (0.8)
Napier City	4 (2.4)	4 (2.1)	8 (2.3)
Central Hawke's Bay District	—	—	—
New Plymouth District	—	4 (2.1)	4 (1.1)
Stratford District	—	—	—
South Taranaki District	—	—	—
Ruapehu District	—	—	—
Wanganui District	—	2 (1.1)	2 (0.6)
Rangitikei District	—	—	—

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Manawatu District	—	1 (0.5)	1 (0.3)
Palmerston North City	3 (1.8)	3 (1.6)	6 (1.7)
Tararua District	—	—	—
Horowhenua District	—	1 (0.5)	1 (0.3)
Kapiti Coast District	1 (0.6)	2 (1.1)	3 (0.8)
Porirua City	1 (0.6)	3 (1.6)	4 (1.1)
Upper Hutt City	4 (2.4)	2 (1.1)	6 (1.7)
Lower Hutt City	1 (0.6)	4 (2.1)	5 (1.4)
Wellington City	10 (6.1)	6 (3.2)	16 (4.5)
Masterton District	—	1 (0.5)	1 (0.3)
Carterton District	—	—	—
South Wairarapa District	—	—	—
Tasman District	2 (1.2)	1 (0.5)	3 (0.8)
Nelson City	3 (1.8)	5 (2.6)	8 (2.3)
Marlborough District	2 (1.2)	2 (1.1)	4 (1.1)
Kaikoura District	—	—	—
Buller District	—	—	—
Grey District	—	—	—
Westland District	—	—	—
Hurunui District	—	—	—
Waimakariri District	—	2 (1.1)	2 (0.6)
Christchurch City	13 (7.9)	23 (12.2)	36 (10.2)
Selwyn District	1 (0.6)	—	1 (0.3)
Ashburton District	—	1 (0.5)	1 (0.3)
Timaru District	3 (1.8)	1 (0.5)	4 (1.1)
Mackenzie District	—	—	—
Waimate District	—	—	—
Chatham Islands Territory	—	—	—
Waitaki District	—	1 (0.5)	1 (0.3)
Central Otago District	—	1 (0.5)	1 (0.3)
Queenstown-Lakes District	2 (1.2)	1 (0.5)	3 (0.8)
Dunedin City	23 (14.0)	15 (7.9)	38 (10.8)
Clutha District	—	—	—
Southland District	—	—	—
Gore District	—	—	—
Invercargill City	1 (0.6)	2 (1.1)	3 (0.8)
TLA code not available	3 (1.8)	2 (1.1)	5 (1.4)
Total	164	189	353

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 4-18. Population to practising dental technicians and clinical dental technicians by TA, for 2015

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to-technicians ratio ^a	Technicians per 100,000 population aged 15+
Far North	61,300	47,800	23,900.0	4.2
Whangarei	85,900	67,300	6,730.0	14.9
Kaipara	21,100	16,900	16,900.0	5.9
Auckland	1,569,900	1,253,900	9,219.9	10.8
Thames-Coromandel District	27,800	23,400	—	—
Hauraki District	19,100	15,400	—	—
Waikato District	69,500	53,200	17,733.3	5.6
Matamata-Piako District	33,600	26,600	—	—
Hamilton City	156,800	123,700	10,308.3	9.7
Waipa District	50,400	39,900	39,900.0	2.5
Otorohanga District	9,720	7,370	—	—
South Waikato District	23,500	18,100	—	—
Waitomo District	9,530	7,200	—	—
Taupo District	35,600	28,100	14,050.0	7.1
Western Bay of Plenty District	46,800	37,700	18,850.0	5.3
Tauranga City	124,600	99,400	12,425.0	8.0
Rotorua District	69,200	53,600	26,800.0	3.7
Whakatane District	34,600	26,800	13,400.0	7.5
Kawerau District	6,660	5,010	5,010.0	20.0
Opotiki District	8,810	6,790	—	—
Gisborne District	47,400	35,800	35,800.0	2.8
Wairoa District	8,180	6,120	—	—
Hastings District	77,900	60,300	20,100.0	5.0
Napier City	60,400	48,300	6,037.5	16.6
Central Hawke's Bay District	13,450	10,700	—	—
New Plymouth District	79,000	62,900	15,725.0	6.4
Stratford District	9,220	7,230	—	—
South Taranaki District	27,700	21,600	—	—
Ruapehu District	12,450	9,550	—	—
Wanganui District	43,600	35,000	17,500.0	5.7
Rangitikei District	14,700	11,550	—	—
Manawatu District	29,300	23,100	23,100.0	4.3
Palmerston North City	85,500	68,900	11,483.3	8.7
Taranua District	17,400	13,600	—	—
Horowhenua District	31,400	25,600	25,600.0	3.9
Kapiti Coast District	51,400	42,100	14,033.3	7.1
Porirua City	54,500	41,500	10,375.0	9.6
Upper Hutt City	42,000	33,500	5,583.3	17.9

	Total population	Population aged 15+ years ^a	Population aged 15+ years-to- technicians ratio ^a	Technicians per 100,000 population aged 15+
Lower Hutt City	102,000	80,800	16,160.0	6.2
Wellington City	203,800	169,800	10,612.5	9.4
Masterton District	24,400	19,600	19,600.0	5.1
Carterton District	8,790	7,100	—	—
South Wairarapa District	10,000	8,100	—	—
Tasman District	49,500	40,100	13,366.7	7.5
Nelson City	49,900	40,900	5,112.5	19.6
Marlborough District	45,300	37,200	9,300.0	10.8
Kaikoura District	3,660	3,020	—	—
Buller District	10,350	8,500	—	—
Grey District	13,650	10,900	—	—
Westland District	8,720	7,150	—	—
Hurunui District	12,500	10,050	—	—
Waimakariri District	56,400	45,200	22,600.0	4.4
Christchurch City	367,800	304,200	8,450.0	11.8
Selwyn District	52,700	41,100	41,100.0	2.4
Ashburton District	33,200	26,400	26,400.0	3.8
Timaru District	46,200	38,000	9,500.0	10.5
Mackenzie District	4,440	3,580	—	—
Waimate District	7,870	6,390	—	—
Chatham Islands Territory	610	480	—	—
Waitaki District	21,900	17,800	17,800.0	5.6
Central Otago District	19,200	15,750	15,750.0	6.3
Queenstown-Lakes District	32,400	26,500	8,833.3	11.3
Dunedin City	125,800	105,900	2,786.8	35.9
Clutha District	17,400	13,900	—	—
Southland District	30,600	23,900	—	—
Gore District	12,450	10,000	—	—
Invercargill City	54,200	43,600	14,533.3	6.9
Missing/outside TA	80	100		
Total ^b	4,595,700	3,533,300	10,009.3	10.0

^a Population estimate as at 30 June 2015

^b Due to rounding, individual figures may not always sum to the stated totals
(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 4-19. Population to practising dental technicians and clinical dental technicians by district health board (DHB), for 2012

	No with practising certificates	Total population ^a	Population aged 15+ years	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+ years
Northland	10	163,500	127,300	12,730	7.9
Waitemata	69	545,400	432,800	6,272	15.9
Auckland	49	456,000	372,000	7,592	13.2
Counties-Manukau	25	491,500	371,800	14,872	6.7
Waikato	17	374,800	292,900	17,229	5.8
Lakes	6	103,300	79,600	13,267	7.5
Bay of Plenty	15	213,900	168,100	11,207	8.9
Tairāwhiti	2	47,000	35,200	17,600	5.7
Hawke's Bay	13	112,900	88,900	6,838	14.6
Taranaki	5	158,000	123,200	24,640	4.1
Whanganui	2	62,400	49,300	24,650	4.1
MidCentral	8	168,500	134,100	16,763	6.0
Hutt	12	142,500	112,100	9,342	10.7
Capital and Coast	20	292,200	237,200	11,860	8.4
Wairarapa	1	42,100	33,600	33,600	3.0
Nelson-Marlborough	12	141,300	114,300	9,525	10.5
West Coast		33,100	26,800	—	—
Canterbury	38	497,200	403,100	10,608	9.4
South Canterbury	2	57,100	46,600	23,300	4.3
Southern ^b	45 [30]	304,900	248,800	5,529 [8,293]	18.1 [12.1]
Unknown	6				
Total	357	4,408,100	3,497,700	9,797	10.2

^a Population estimate as at 30 June 2012. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental hygienists and orthodontic auxiliaries who reported the University of Otago as their primary employer
(Data sources: Workforce survey and Statistics New Zealand)

Table 4-20. Population to practising dental technicians and clinical dental technicians by DHB, for 2013

	No with practising certificates	Total population ^a	Population aged 15+ years	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+ years
Northland	10	164,700	128,300	12,830	7.8
Waitemata	65	552,800	439,700	6,765	14.8
Auckland	43	460,500	377,400	8,777	11.4
Counties-Manukau	25	496,300	377,100	15,084	6.6
Waikato	18	377,900	295,900	16,439	6.1
Lakes	6	103,200	79,800	13,300	7.5
Bay of Plenty	14	215,000	169,300	12,093	8.3
Tairāwhiti	2	47,000	35,300	17,650	5.7
Hawke's Bay	12	113,800	89,600	7,467	13.4
Taranaki	5	158,500	123,800	24,760	4.0
Whanganui	2	62,300	49,400	24,700	4.0
MidCentral	8	168,900	134,700	16,838	5.9
Hutt	12	142,500	112,500	9,375	10.7
Capital and Coast	21	293,500	238,500	11,357	8.8
Wairarapa	2	42,400	34,000	17,000	5.9
Nelson-Marlborough	14	142,100	115,200	8,229	12.2
West Coast	—	33,000	26,600	—	—
Canterbury	40	503,700	408,800	10,220	9.8
South Canterbury	4	57,600	47,000	11,750	8.5
Southern ^b	39 [23]	306,400	250,200	6,415 [10,878]	15.6 [9.2]
Unknown	3				
Total	345	4,442,100	3,533,100	10,241	9.8

^a Population estimate as at 30 June 2013. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental hygienists and orthodontic auxiliaries who reported the University of Otago as their primary employer (Data sources: Workforce survey and Statistics New Zealand)

Table 4-21. Population to practising dental technicians and clinical dental technicians by DHB, for 2014

	No with practising certificates	Total population ^a	Population aged 15+ years	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+ years
Northland	11	166,000	129,800	11,800	8.5
Waitemata	59	562,600	448,800	7,607	13.1
Auckland	44	471,900	388,600	8,832	11.3
Counties-Manukau	31	509,200	388,500	12,532	8.0
Waikato	18	383,500	301,300	16,739	6.0
Lakes	6	103,600	80,400	13,400	7.5
Bay of Plenty	13	217,400	171,900	13,223	7.6
Tairāwhiti	3	47,100	35,500	11,833	8.5
Hawke's Bay	13	115,000	90,800	6,985	14.3
Taranaki	5	159,400	124,700	24,940	4.0
Whanganui	2	62,200	49,300	24,650	4.1
MidCentral	8	170,300	136,100	17,013	5.9
Hutt	11	143,400	113,500	10,318	9.7
Capital and Coast	21	296,700	242,100	11,529	8.7
Wairarapa	2	42,800	34,300	17,150	5.8
Nelson-Marlborough	13	143,100	116,300	8,946	11.2
West Coast	—	32,800	26,600	—	—
Canterbury	40	514,500	418,900	10,473	9.5
South Canterbury	5	58,100	47,500	9,500	10.5
Southern ^b	44 [29]	309,900	253,500	5,761 [8,741]	17.4 [11.4]
Unknown	2				
Total	351	4,509,700	3,598,400	10,252	9.8

^a Population estimate as at 30 June 2014. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental hygienists and orthodontic auxiliaries who reported the University of Otago as their primary employer (Data sources: Workforce survey and Statistics New Zealand)

Table 4-22. Population to practising dental technicians and clinical dental technicians by DHB, for 2015

	No with practising certificates	Total population ^a	Population aged 15+ years	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+ years
Northland	13	168,300	132,100	10,162	9.8
Waitemata	64	575,600	460,800	7,200	13.9
Auckland	40	490,000	406,000	10,150	9.9
Counties-Manukau	32	521,700	400,400	12,513	8.0
Waikato	16	390,600	307,700	19,231	5.2
Lakes	4	104,800	81,600	20,400	4.9
Bay of Plenty	13	221,500	175,600	13,508	7.4
Tairāwhiti	1	47,400	35,800	35,800	2.8
Hawke's Bay	11	115,900	91,700	8,336	12.0
Taranaki	4	160,500	126,000	31,500	3.2
Whanganui	2	62,600	49,700	24,850	4.0
MidCentral	8	172,100	138,000	17,250	5.8
Hutt	11	144,000	114,400	10,400	9.6
Capital and Coast	23	301,100	246,700	10,726	9.3
Wairarapa	1	43,200	34,700	34,700	2.9
Nelson-Marlborough	15	144,800	118,100	7,873	12.7
West Coast	—	32,700	26,600	—	—
Canterbury	40	526,100	429,800	10,745	9.3
South Canterbury	4	58,600	48,000	12,000	8.3
Southern ^b	46 [30]	314,000	257,600	5,600 [8,587]	17.9 [11.6]
Unknown	5				
Total	353	4,595,700	3,681,300	7,833	12.8

^a Population estimate as at 30 June 2015. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude dental hygienists and orthodontic auxiliaries who reported the University of Otago as their primary employer (Data sources: Workforce survey and Statistics New Zealand)

Table 4-23. Practising pattern, dental technicians and clinical dental technicians who reported that they are not currently practising in New Zealand

Employment status		Females (%)	Males (%)	Total (%)
2013	Practising overseas	4 (19.0)	11 (40.7)	15 (31.3)
	Overseas and not practising	1 (4.8)	1 (3.7)	2 (4.2)
	In NZ but not practising	16 (76.2)	15 (55.6)	31 (64.6)
	Total not currently practising	21 (43.8)	27 (56.3)	48
	Practising status not stated	6	18	24
	Employment status of 'In NZ but not practising' group			
	Another health profession	2	2	4
	Non-health profession	1	2	3
	Full-time study	2	5	7
	Parental responsibilities	7	2	9
	Other unpaid work	—	1	1
	Seeking work	2	1	3
	Retired	—	2	2
	Not reported	2	—	2
2014	Practising overseas	5 (25.0)	15 (60.0)	20 (44.4)
	Overseas and not practising	1 (5.0)	2 (8.0)	3 (6.7)
	In NZ but not practising	14 (70.0)	8 (32.0)	22 (48.9)
	Total not currently practising	20 (44.4)	25 (55.6)	45
	Practising status not stated	19	25	44
	Employment status of 'In NZ but not practising' group			
	Another health profession	—	1	1
	Non-health profession	2	2	4
	Full-time study	3	1	4
	Parental responsibilities	9	1	10
	Other unpaid work	—	1	1
	Retired	—	2	2
	Not reported	—	—	—
2015	Practising overseas	2 (9.5)	12 (63.2)	14 (35.0)
	Overseas and not practising	6 (28.6)	1 (5.3)	7 (17.5)
	In NZ but not practising	13 (61.9)	6 (31.6)	19 (47.5)
	Total not currently practising	21 (52.5)	19 (47.5)	40
	Practising status not stated	17	33	50
	Employment status of 'In NZ but not practising' group			
	Another health profession	—	2	2
	Non-health profession	2	2	4
	Full-time study	4	—	4
	Parental responsibilities	6	2	8
	Seeking work	1	—	1
	Not reported	—	—	—

(Data source: Workforce survey)

Table 4-24. Postgraduate training undertaken by dental technicians and clinical dental technicians

	Expected year of completion	Current APC (%)	No current APC (%)	Overall (%)
2013	2012	2 (10.0)	2 (22.2)	4 (13.8)
	2013	7 (35.0)	3 (33.3)	10 (34.5)
	Not stated/unsure	11 (55.0)	4 (44.4)	15 (51.7)

	Intend to practise in NZ?			
	Yes	19 (95.0)	5 (55.6)	24 (82.8)
	No	1 (5.0)	4 (44.4)	5 (17.2)
	Total in postgraduate training	20 (69.0)	9 (31.0)	29
2014	2013	10 (58.8)	—	10 (52.6)
	Not stated/unsure	7 (41.2)	2 (100.0)	9 (47.4)

	Intend to practise in NZ?			
	Yes	17 (100.0)	2 (100.0)	19 (100.0)
	No	—	—	—
	Total in postgraduate training	17 (89.5)	2 (10.5)	19
2015	2014	2 (7.4)	—	2 (6.9)
	2015	11 (40.7)	—	11 (37.9)
	2016	—	2 (100.0)	2 (6.9)
	Not stated/unsure	14 (51.9)	—	14 (48.3)

	Intend to practise in NZ?			
	Yes	24 (88.9)	2 (100.0)	26 (89.7)
	No	3 (11.1)	—	3 (10.3)
	Total in postgraduate training	27 (93.1)	2 (6.9)	29

(Data source: Workforce survey)

All 29 postgraduate training reported in 2015 related to clinical dental technology.

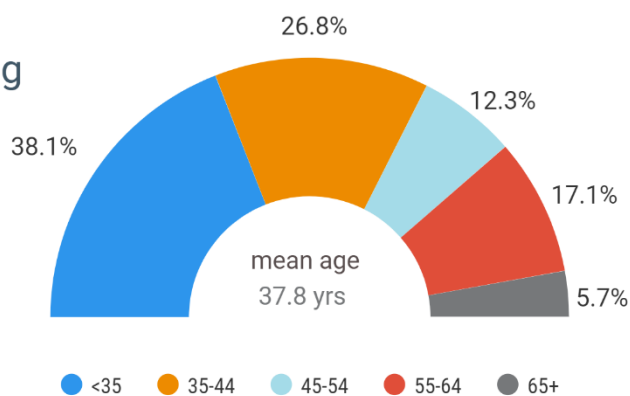
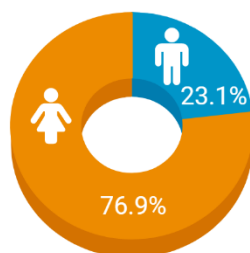
Section 5: The Māori oral health practitioners workforce

Māori oral health practitioners

2015 workforce at a glance



229 practising



Primary employment

Self-employed 29.7%



6.1% Solo practice



23.6% Group practice

Employees 55.9%



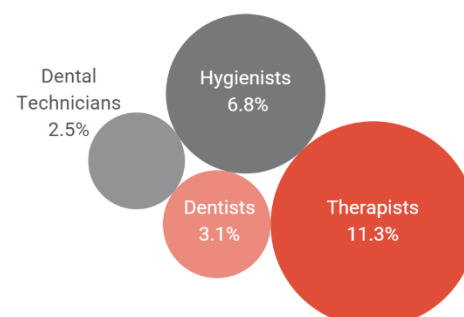
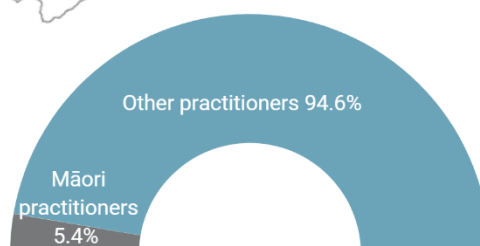
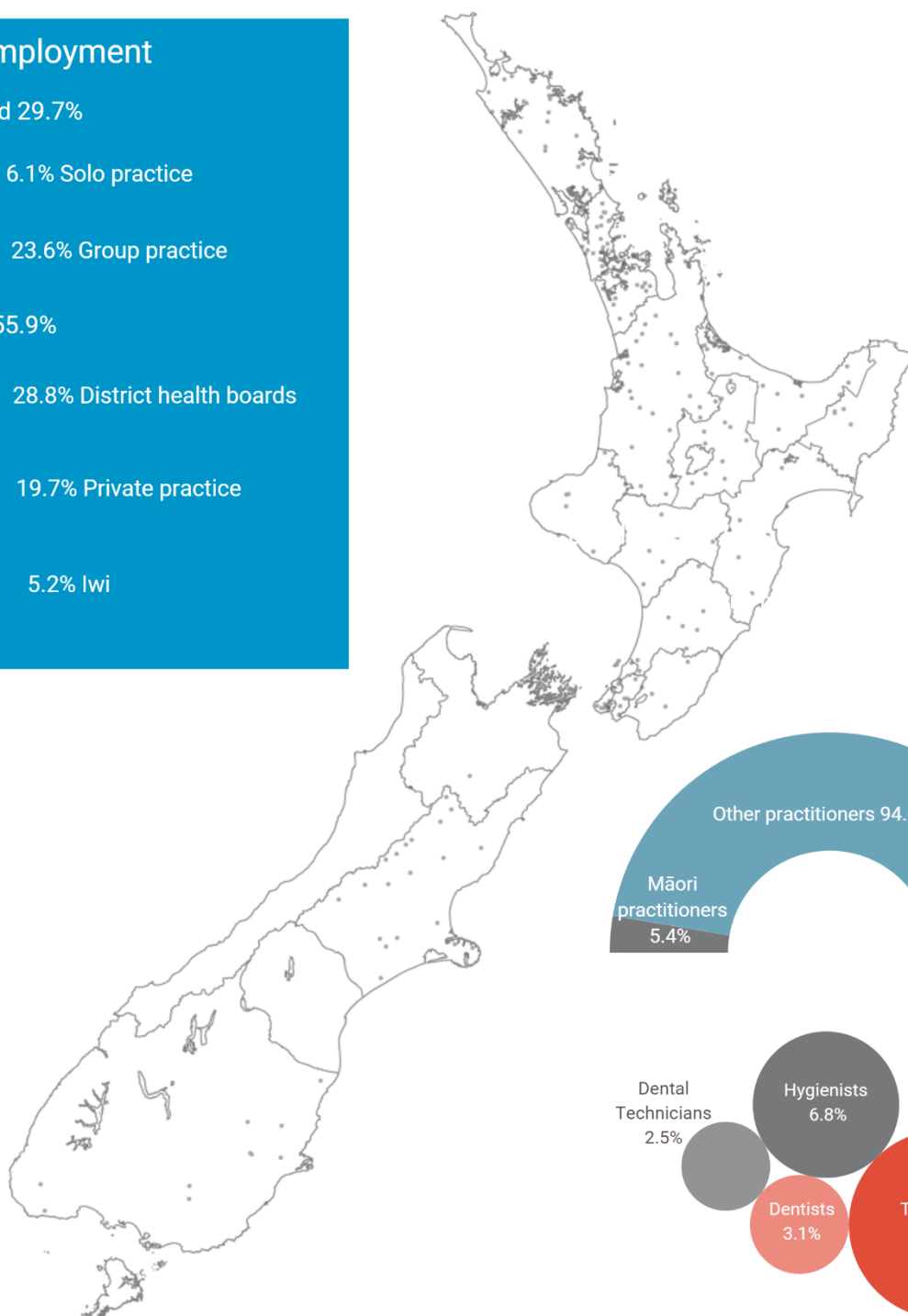
28.8% District health boards



19.7% Private practice



5.2% Iwi



Executive summary Māori oral health practitioners

Māori representation

Māori made up 5.4% (229) of the total practising oral health workforce in 2015, with the largest group being dental therapists (11.3%), followed by dental hygienists and orthodontic auxiliaries (6.8%). ^{Table 5-1}

Dental hygienists and orthodontic auxiliaries showed year-on-year increases of Māori representation, with increases of 19.4% and 35.1% in 2014 and 2015.

Table 5-1. Māori ethnicity, self-identified by practising oral health practitioners

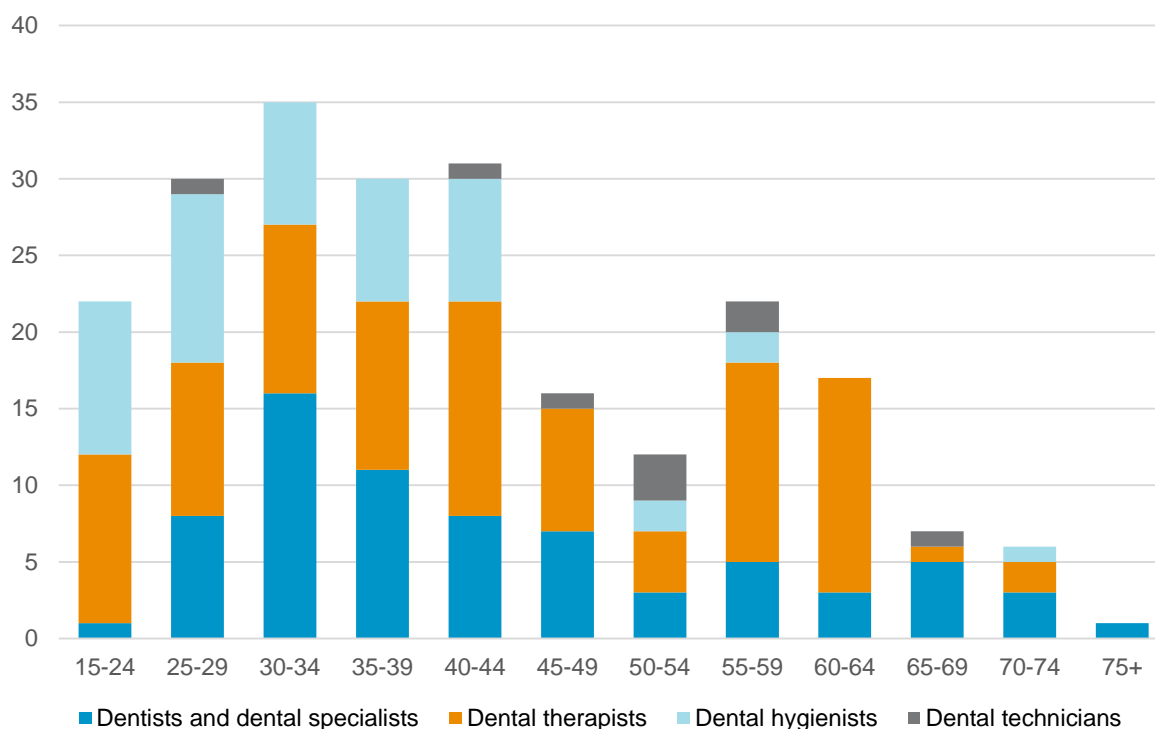
	2012				2013				2014				2015		
	Māori	Total	% Total	% YoY	Māori	Total	% Total	% YoY	Māori	Total	% Total	% YoY	Māori	Total	% Total
Dentists and dental specialists	63	2,127	3.0%	4.8%	66	2,166	3.0%	7.6%	71	2,235	3.2%	—	71	2,292	3.1%
Dental therapists	88	804	10.9%	—	88	820	10.7%	-2.3%	86	841	10.2%	15.1%	99	875	11.3%
Dental hygienists and orthodontic auxiliaries	28	593	4.7%	10.7%	31	626	5.0%	19.4%	37	683	5.4%	35.1%	50	735	6.8%
Dental technicians and clinical dental technicians	10	357	2.8%	-20.0%	8	345	2.3%	12.5%	9	351	2.6%	—	9	353	2.5%
Total	189	3,881	4.9%	2.1%	193	3,957	4.9%	5.2%	203	4,110	4.9%	12.8%	229	4,255	5.4%

Demographics

The age group distribution for Māori is skewed towards the younger age groups, with 30 to 34 being the largest group. This is an encouraging sign for the future of Māori oral health practitioners. Dental hygienists are more prominent in the lower age groups up to age 44, representing 90% of this group.

Figure 5-1

Figure 5-1. Age band distribution of practitioners self-identified as Māori



Females made up three quarters of the Māori workforce (176 76.9%) in 2015, increasing from 73.0% (138) in 2012. In comparison, male representation have stayed pretty flat in numbers (low 50's), but proportionally decreased from 27% in 2012 to 23.1% in 2015. [Table 5-4](#)

Cohort remainder rates

The cohort remainder rates for Māori graduates was calculated with data kindly provided by the Faculty of Dentistry, University of Otago and Department of Oral Health, Auckland University of Technology. Limitations for these analyses include: small numbers, and Māori identification for the analysis relies on self-identification both during studies and with the Council.

The analysis did indicate that for dentists and dental specialists, the average Māori graduate remainder rate was 78% for the period 2012-2014. [Table 5-6](#)

For hygiene and therapy it appears that there is a slight lag between graduation at the end of the year and practising before the end of the APC cycle in March, with uptake by these graduates were recorded in the next reporting year. One exception was in 2014 for registration in the dental therapy and data hygiene scope of practice, where 12 of the 14 Māori oral health graduates were reflected in the 2015 data. [Table 5-8 & Table 5-9](#)

None of the three Māori technology graduates since 2005 (two postgraduate clinical dental technician graduates), identified as practising during the period 2012-2015.

Practising characteristics

Being an employee is the largest form of primary employment for Māori oral health practitioners, and increased by 29.3% from 99 (52.4%) in 2012 to 128 (55.9%) in 2015. District health boards were reported as the largest primary employer accounting for 28.8% in 2015, while Iwi accounted for 5.2%.

Table 5-10

Geographical distribution

Geographical distribution of Māori oral health practitioners by territorial authorities and district health boards was completed for 2012-2015. Only minor movements occurred during the period, mainly due to the small size of the group. However, it did highlight a concentration of Māori practitioners in the North Island.

Table 5-11 - Table 5-18

Māori oral health practitioners workforce data tables

Table 5-2. Māori ethnicity, self-identified by practising oral health practitioners

	Ethnicity	Total (%)	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2012	Māori	189 (4.9)	63 (3.0)	88 (10.9)	28 (4.7)	10 (2.8)
	Other	3,692 (95.1)	2,064 (97.0)	716 (89.1)	565 (95.3)	347 (97.2)
	Total	3881	2,127	804	593	357
2013	Māori	193 (4.9)	66 (3.0)	88 (10.7)	31 (5.0)	8 (2.3)
	Other	3,764 (95.1)	2,100 (97.0)	732 (89.3)	595 (95.0)	337 (97.7)
	Total	3,957	2,166	820	626	345
2014	Māori	203 (4.9)	71 (3.2)	86 (10.2)	37 (5.4)	9 (2.6)
	Other	3,907 (95.1)	2,164 (96.8)	755 (89.8)	646 (94.6)	342 (97.4)
	Total	4,110	2,235	841	683	351
2015	Māori	229 (5.4)	71 (3.1)	99 (11.3)	50 (6.8)	9 (2.5)
	Other	4,026 (94.6)	2,221 (96.9)	776 (88.7)	685 (93.2)	344 (97.5)
	Total	4,255	2,292	875	735	353

(Data source: Dental register and workforce survey)

Table 5-3. Age of practising Māori oral health practitioners, as at the end of the 2015 reporting periods ^a

Age bands	Total (%)	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
15 - 24	22 (9.6)	1 (1.4)	11 (11.1)	10 (20.0)	—
25 - 29	30 (13.1)	8 (11.3)	10 (10.1)	11 (22.0)	1 (11.1)
30 - 34	35 (15.3)	16 (22.5)	11 (11.1)	8 (16.0)	—
35 - 39	30 (13.1)	11 (15.5)	11 (11.1)	8 (16.0)	—
40 - 44	31 (13.5)	8 (11.3)	14 (14.1)	8 (16.0)	1 (11.1)
45 - 49	16 (7.0)	7 (9.9)	8 (8.1)	—	1 (11.1)
50 - 54	12 (5.2)	3 (4.2)	4 (4.0)	2 (4.0)	3 (33.3)
55 - 59	22 (9.6)	5 (7.0)	13 (13.1)	2 (4.0)	2 (22.2)
60 - 64	17 (7.4)	3 (4.2)	14 (14.1)	—	—
65 - 69	7 (3.1)	5 (7.0)	1 (1.0)	—	1 (11.1)
70 - 74	6 (2.6)	3 (4.2)	2 (2.0)	1 (2.0)	—
75+	1 (0.4)	1 (1.4)	—	—	—
Total	229	71	99	50	9

^a Dentists and dental specialists reporting period ends 30 September 2015; others end 31 March 2015
(Data source: Dental register)

Table 5-4. Gender of practising Māori oral health practitioners

	Gender	Total (%)	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2012	Male	51 (27.0)	38 (60.3)	2 (2.3)	3 (10.7)	8 (80.0)
	Female	138 (73.0)	25 (39.7)	86 (97.7)	25 (89.3)	2 (20.0)
	Total	189	63	88	28	10
2013	Male	44 (22.8)	34 (51.5)	2 (2.3)	2 (6.5)	6 (75.0)
	Female	149 (77.2)	32 (48.5)	86 (97.7)	29 (93.5)	2 (25.0)
	Total	193	66	88	31	8
2014	Male	52 (25.6)	40 (56.3)	2 (2.3)	3 (8.1)	7 (77.8)
	Female	151 (74.4)	31 (43.7)	84 (97.7)	34 (91.9)	2 (22.2)
	Total	203	71	86	37	9
2015	Male	53 (23.1)	40 (56.3)	3 (3.0)	3 (6.0)	7 (77.8)
	Female	176 (76.9)	31 (43.7)	96 (97.0)	47 (94.0)	2 (22.2)
	Total	229	71	99	50	9

(Data source: Dental register)

Table 5-5. Scope of practice registrations for Māori dentists and dental specialists, by gender

		Total	Men (row %)	Women (row %)
2012	Dentists	59	35 (59.3)	24 (40.7)
	Dental specialists	5	3 (60.0)	2 (40.0)
	Total	64	38 (59.4)	26 (40.6)
	Specialty			
	Endodontics	—	—	—
	Oral & Maxillofacial Surgery	—	—	—
	Oral Medicine	—	—	—
	Oral Pathology	—	—	—
	Oral Surgery	—	—	—
	Orthodontics	1	1 (100.0)	—
	Paediatric Dentistry	—	—	—
	Periodontology	2	1 (50.0)	1 (50.0)
	Prosthodontics	—	—	—
	Public Health Dentistry	2	1 (50.0)	1 (50.0)
	Restorative Dentistry	—	—	—
	Special Needs Dentistry	—	—	—
2013	Dentists	61	30 (49.2)	31 (50.8)
	Dental specialists	8	5 (62.5)	3 (37.5)
	Total	69	35 (50.7)	34 (49.3)
	Specialty			
	Endodontics	—	—	—
	Oral & Maxillofacial Surgery	—	—	—
	Oral Medicine	1	—	1 (100.0)
	Oral Pathology	—	—	—
	Oral Surgery	1	1 (100.0)	—
	Orthodontics	1	1 (100.0)	—
	Paediatric Dentistry	—	—	—
	Periodontology	3	2 (66.7)	1 (33.3)
	Prosthodontics	—	—	—
	Public Health Dentistry	2	1 (50.0)	1 (50.0)
	Restorative Dentistry	—	—	—
	Special Needs Dentistry	—	—	—

		Total	Men (row %)	Women (row %)
2014	Dentists	66	35 (53.0)	31 (47.0)
	Dental specialists	7	5 (71.4)	2 (28.6)
	Total	73	40 (54.8)	33 (45.2)
	Specialty			
	Endodontics	—	—	—
	Oral & Maxillofacial Surgery	—	—	—
	Oral Medicine	—	—	—
	Oral Pathology	—	—	—
	Oral Surgery	1	1 (100.0)	—
	Orthodontics	1	1 (100.0)	—
	Paediatric Dentistry	—	—	—
	Periodontology	3	2 (66.7)	1 (33.3)
	Prosthodontics	—	—	—
	Public Health Dentistry	2	1 (50.0)	1 (50.0)
	Restorative Dentistry	—	—	—
	Special Needs Dentistry	—	—	—
2015	Dentists	67	37 (55.2)	30 (44.8)
	Dental specialists	6	4 (66.7)	2 (33.3)
	Total	73	41 (56.2)	32 (43.8)
	Specialty			
	Endodontics	—	—	—
	Oral & Maxillofacial Surgery	—	—	—
	Oral Medicine	—	—	—
	Oral Pathology	—	—	—
	Oral Surgery	2	2 (100.0)	—
	Orthodontics	—	—	—
	Paediatric Dentistry	—	—	—
	Periodontology	2	1 (50.0)	1 (50.0)
	Prosthodontics	—	—	—
	Public Health Dentistry	2	1 (50.0)	1 (50.0)
	Restorative Dentistry	—	—	—
	Special Needs Dentistry	—	—	—

(Data source: Dental register)

Table 5-6. Cohort remainder rate for University of Otago Māori dentistry and dental specialist graduates, as at 30 September 2015

Graduation cohort	Total number of Māori domestic dental graduates	Number of Māori dental graduates with practising certificates ^a	Māori cohort remainder rate
1995	1	—	—
1996	7	—	—
1997	2	2	100.0
1998	1	1	100.0
1999	4	4	100.0
2000	4	—	—
2001	3	3	100.0
2002	1	—	—
2003	6	6	100.0
2004	5	3	60.0
2005	4	2	50.0
2006	7	2	28.6
2007	6	4	66.7
2008	1	1	100.0
2009	1	—	—
2010	5	2	40.0
2011	3	2	66.7
2012	4	3	75.0
2013	2	1	50.0
2014	3	3	100.0

^a No practising practitioners does not necessarily mean the graduates are not practising; they may have not selected Māori as ethnicity with the Council
(Data sources: Dental register and Faculty of Dentistry)

Table 5-7. Longitudinal analysis of the cohort remainder rate of University of Otago Māori dental graduates

	Year of graduation						
	2014	2013	2012	2011	2010	2009	2008
Total number of Māori dental graduates							
	3	2	4	3	5	1	1
Practising status as at: ^a	Number of Māori dental graduates with practising certificates (cohort remainder rate)						
September 2015	3 (100.0)	1 (50.0)	3 (75.0)	2 (66.7)	2 (40.0)	—	1 (100.0)
September 2014		—	4 (100.0)	2 (66.7)	4 (80.0)	—	—
September 2013			—	2 (66.7)	4 (80.0)	—	1 (100.0)
September 2012				—	3 (60.0)	—	—

^a No practising practitioners does not necessarily mean the graduates are not practising; they may have not selected Māori as ethnicity with the Council
(Data sources: Dental register and Faculty of Dentistry)

Table 5-8. Longitudinal analysis of the cohort remainder rate of Māori oral health graduates, registered as dental therapists

	Year of graduation						
	2014	2013	2012	2011	2010	2009	2008
Total number of Māori oral health graduates							
	14	6	8	3	3	5	9
Practising status as at: ^a	Number of Māori oral health graduates with practising certificates (cohort remainder rate)						
March 2015	12 (85.7)	5 (83.3)	6 (75.0)	3 (100.0)	2 (66.7)	4 (80.0)	5 (55.6)
March 2014		1 (16.7)	7 (87.5)	3 (100.0)	2 (66.7)	2 (40.0)	6 (66.7)
March 2013			—	3 (100.0)	2 (66.7)	5 (100.0)	4 (44.4)
March 2012				—	2 (66.7)	5 (100.0)	5 (55.6)

^a No practising practitioners does not necessarily mean the graduates are not practising; they may have not selected Māori as ethnicity with the Council
(Data sources: Dental register and Faculty of Dentistry, University of Otago and Department of Oral Health, Auckland University of Technology)

Table 5-9. Longitudinal analysis of the cohort remainder rate of Māori oral health graduates, registered as dental hygienists

	Year of graduation						
	2014	2013	2012	2011	2010	2009	2008
Total number of Māori oral health graduates							
	14	6	8	3	3	5	9
Practising status as at: ^a	Number of Māori oral health graduates with practising certificates (cohort remainder rate)						
March 2015	12 (85.7)	5 (83.3)	6 (75.0)	3 (100.0)	2 (66.7)	4 (80.0)	3 (33.3)
March 2014		—	6 (75.0)	3 (100.0)	2 (66.7)	4 (80.0)	5 (55.6)
March 2013			—	3 (100.0)	2 (66.7)	4 (80.0)	4 (44.4)
March 2012				—	1 (33.3)	5 (100.0)	4 (44.4)

^a No practising practitioners does not necessarily mean the graduates are not practising; they may have not selected Māori as ethnicity with the Council
(Data sources: Dental register and Faculty of Dentistry, University of Otago and Department of Oral Health, Auckland University of Technology)

Table 5-10. Type of primary employment of practising Māori oral health practitioners

	Total (%)	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2012					
Self-employed					
Solo practice	16 (8.5)	9 (14.3)	1 (1.1)	2 (7.1)	4 (40.0)
Group practice	51 (27.0)	37 (58.7)	3 (3.4)	7 (25.0)	4 (40.0)
Subtotal	67 (35.4)	46 (73.0)	4 (4.5)	9 (32.1)	8 (80.0)
Employee					
Private practice	26 (13.8)	4 (6.3)	10 (11.4)	10 (35.7)	2 (20.0)
DHB	58 (30.7)	2 (3.2)	51 (58.0)	5 (17.9)	—
Universities	4 (2.1)	2 (3.2)	2 (2.3)	—	—
Government Department, not MOH	2 (1.1)	1 (1.6)	—	1 (3.6)	—
Iwi	7 (3.7)	4 (6.3)	3 (3.4)	—	—
Ministry of Health	2 (1.1)	1 (1.6)	1 (1.1)	—	—
Subtotal	99 (52.4)	14 (22.2)	67 (76.1)	16 (57.1)	2 (20.0)
Other forms of employment	—	—	—	—	—
No reply to question	23 (12.2)	3 (4.8)	17 (19.3)	3 (10.7)	—
Total	189	63	88	28	10

	Total (%)	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2013					
Self-employed					
Solo practice	15 (7.8)	8 (12.1)	—	3 (9.7)	4 (50.0)
Group practice	57 (29.5)	39 (59.1)	7 (8.0)	8 (25.8)	3 (37.5)
Subtotal	72 (37.3)	47 (71.2)	7 (8.0)	11 (35.5)	7 (87.5)
Employee					
Private practice	21 (10.9)	4 (6.1)	6 (6.8)	11 (35.5)	—
DHB	71 (36.8)	6 (9.1)	61 (69.3)	4 (12.9)	—
Universities	3 (1.6)	2 (3.0)	1 (1.1)	—	—
Government Department, not MOH	2 (1.0)	1 (1.5)	—	1 (3.2)	—
Iwi	10 (5.2)	3 (4.5)	5 (5.7)	2 (6.5)	—
Ministry of Health	—	—	—	—	—
Subtotal	107 (55.4)	16 (24.2)	73 (83.0)	18 (58.1)	—
Other forms of employment	7 (3.6)	2 (3.0)	4 (4.5)	1 (3.2)	—
No reply to question	7 (3.6)	1 (1.5)	4 (4.5)	1 (3.2)	1 (12.5)
Total	193	66	88	31	8

	Total (%)	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2014					
Self-employed					
Solo practice	8 (3.9)	2 (2.8)	—	2 (5.4)	4 (44.4)
Group practice	59 (29.1)	48 (67.6)	3 (3.5)	5 (13.5)	3 (33.3)
Subtotal	67 (33.0)	50 (70.4)	3 (3.5)	7 (18.9)	7 (77.8)
Employee					
Private practice	33 (16.3)	4 (5.6)	10 (11.6)	17 (45.9)	2 (22.2)
DHB	73 (36.0)	6 (8.5)	62 (72.1)	5 (13.5)	—
Universities	5 (2.5)	4 (5.6)	1 (1.2)	—	—
Government Department, not MOH	6 (3.0)	1 (1.4)	2 (2.3)	3 (8.1)	—
Iwi	9 (4.4)	4 (5.6)	4 (4.7)	1 (2.7)	—
Ministry of Health	—	—	—	—	—
Subtotal	126 (62.1)	19 (26.8)	79 (91.9)	26 (70.3)	2 (22.2)
Other forms of employment	3 (1.5)	1 (1.4)	2 (2.3)	—	—
No reply to question	7 (3.4)	1 (1.4)	2 (2.3)	4 (10.8)	—
Total	203	71	86	37	9

	Total (%)	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2015					
Self-employed					
Solo practice	14 (6.1)	8 (11.3)	1 (1.0)	1 (2.0)	4 (44.4)
Group practice	54 (23.6)	41 (57.7)	5 (5.1)	5 (10.0)	3 (33.3)
Subtotal	68 (29.7)	49 (69.0)	6 (6.1)	6 (12.0)	7 (77.7)
Employee					
Private practice	45 (19.7)	6 (8.5)	15 (15.2)	23 (46.0)	1 (11.1)
DHB	66 (28.8)	5 (7.0)	56 (56.6)	5 (10.0)	—
Universities	5 (2.2)	2 (2.8)	2 (2.0)	1 (2.0)	—
Government Department, not MOH	—	—	—	—	—
Iwi	12 (5.2)	5 (7.0)	5 (5.1)	2 (4.0)	—
Ministry of Health	—	—	—	—	—
Subtotal	128 (55.9)	18 (25.4)	78 (78.8)	31 (62.0)	1 (11.1)
Other forms of employment	3 (1.3)	1 (1.4)	1 (1.0)	—	1 (11.1)
No reply to question	30 (13.1)	3 (4.2)	14 (14.1)	13 (26.0)	—
Total	229	71	99	50	9

(Data source: Workforce survey)

Table 5-11. Geographic distribution of practising Māori dentists by Territorial Authority (TA)

TA area	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Far North	3 (4.8)	2 (3.0)	3 (4.2)	3 (4.2)
Whangarei	1 (1.6)	1 (1.5)	1 (1.4)	1 (1.4)
Kaipara	—	—	—	—
Auckland unitary authority	17 (27.0)	15 (22.7)	17 (23.9)	15 (21.1)
<i>Rodney</i>	—	—	—	—
<i>North Shore</i>	5 (7.9)	4 (6.1)	4 (5.6)	4 (5.6)
<i>Waitakere</i>	1 (1.6)	1 (1.5)	1 (1.4)	1 (1.4)
<i>Auckland</i>	8 (12.7)	8 (12.1)	9 (12.7)	7 (9.9)
<i>Manukau</i>	2 (3.2)	2 (3.0)	2 (2.8)	2 (2.8)
<i>Papakura</i>	1 (1.6)	—	1 (1.4)	—
<i>Franklin</i>	—	—	—	1 (1.4)
Thames-Coromandel District	1 (1.6)	2 (3.0)	1 (1.4)	1 (1.4)
Hauraki District	—	—	—	—
Waikato District	—	—	—	—
Matamata-Piako District	1 (1.6)	—	—	1 (1.4)
Hamilton City	4 (6.3)	6 (9.1)	5 (7.0)	5 (7.0)
Waipa District	3 (4.8)	3 (4.5)	3 (4.2)	3 (4.2)
Otorohanga District	—	—	—	—
South Waikato District	—	—	—	—
Waitomo District	—	—	—	—
Taupo District	—	—	—	—
Western Bay of Plenty District	—	—	—	—
Tauranga City	3 (4.8)	2 (3.0)	2 (2.8)	1 (1.4)
Rotorua District	2 (3.2)	1 (1.5)	—	2 (2.8)
Whakatane District	—	—	—	—
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	2 (3.2)	2 (3.0)	2 (2.8)	2 (2.8)
Wairoa District	—	—	—	—
Hastings District	—	2 (3.0)	—	1 (1.4)
Napier City	1 (1.6)	1 (1.5)	2 (2.8)	3 (4.2)
Central Hawke's Bay District	—	—	—	—
New Plymouth District	1 (1.6)	1 (1.5)	2 (2.8)	2 (2.8)
Stratford District	—	—	—	—
South Taranaki District	—	—	—	—
Ruapehu District	1 (1.6)	1 (1.5)	1 (1.4)	1 (1.4)
Wanganui District	—	—	—	1 (1.4)
Rangitikei District	—	—	—	—
Manawatu District	—	—	—	—
Palmerston North City	—	—	—	—

TA area	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Tararua District	—	—	—	—
Horowhenua District	2 (3.2)	2 (3.0)	3 (4.2)	3 (4.2)
Kapiti Coast District	3 (4.8)	2 (3.0)	2 (2.8)	2 (2.8)
Porirua City	—	—	—	—
Upper Hutt City	—	—	—	—
Lower Hutt City	—	—	1 (1.4)	2 (2.8)
Wellington City	3 (4.8)	4 (6.1)	5 (7.0)	3 (4.2)
Masterton District	—	1 (1.5)	1 (1.4)	1 (1.4)
Carterton District	—	—	—	—
South Wairarapa District	—	—	—	—
Tasman District	—	—	—	—
Nelson City	—	—	—	—
Marlborough District	1 (1.6)	1 (1.5)	1 (1.4)	2 (2.8)
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	—	—	—	—
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	1 (1.5)	1 (1.4)	1 (1.4)
Christchurch City	6 (9.5)	6 (9.1)	7 (9.9)	6 (8.5)
Selwyn District	—	—	—	—
Ashburton District	1 (1.6)	1 (1.5)	1 (1.4)	1 (1.4)
Timaru District	—	—	—	—
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	1 (1.6)	1 (1.5)	1 (1.4)	1 (1.4)
Central Otago District	—	—	—	—
Queenstown-Lakes District	—	—	—	—
Dunedin City	4 (6.3)	5 (7.6)	6 (8.5)	6 (8.5)
Clutha District	—	—	1 (1.4)	—
Southland District	—	—	—	—
Gore District	—	—	—	—
Invercargill City	2 (3.2)	2 (3.0)	1 (1.4)	1 (1.4)
TLA code not available	—	1 (1.5)	1 (1.4)	—
Total	63	66	71	71

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 5-12. Geographic distribution of practising Māori dental therapists by TA

TA area	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Far North	5 (5.7)	5 (5.7)	6 (7.0)	5 (5.1)
Whangarei	6 (6.8)	6 (6.8)	7 (8.1)	8 (8.1)
Kaipara	—	—	—	—
Auckland unitary authority	26 (29.5)	29 (33.0)	21 (24.4)	29 (29.3)
<i>Rodney</i>	1 (1.1)	2 (2.3)	—	—
<i>North Shore</i>	5 (5.7)	4 (4.5)	5 (5.8)	10 (10.1)
<i>Waitakere</i>	8 (9.1)	7 (8.0)	4 (4.7)	5 (5.1)
<i>Auckland</i>	4 (4.5)	9 (10.2)	7 (8.1)	6 (6.1)
<i>Manukau</i>	5 (5.7)	4 (4.5)	3 (3.5)	5 (5.1)
<i>Papakura</i>	2 (2.3)	2 (2.3)	1 (1.2)	2 (2.0)
<i>Franklin</i>	1 (1.1)	1 (1.1)	1 (1.2)	1 (1.0)
Thames-Coromandel District	2 (2.3)	2 (2.3)	—	—
Hauraki District	1 (1.1)	—	—	—
Waikato District	—	1 (1.1)	1 (1.2)	1 (1.0)
Matamata-Piako District	—	—	—	—
Hamilton City	5 (5.7)	4 (4.5)	7 (8.1)	7 (7.1)
Waipa District	1 (1.1)	1 (1.1)	1 (1.2)	—
Otorohanga District	3 (3.4)	1 (1.1)	1 (1.2)	—
South Waikato District	1 (1.1)	2 (2.3)	1 (1.2)	1 (1.0)
Waitomo District	—	—	—	—
Taupo District	—	1 (1.1)	—	1 (1.0)
Western Bay of Plenty District	—	1 (1.1)	2 (2.3)	2 (2.0)
Tauranga City	5 (5.7)	4 (4.5)	3 (3.5)	5 (5.1)
Rotorua District	5 (5.7)	5 (5.7)	7 (8.1)	6 (6.1)
Whakatane District	2 (2.3)	1 (1.1)	2 (2.3)	1 (1.0)
Kawerau District	—	—	—	—
Opotiki District	1 (1.1)	1 (1.1)	1 (1.2)	1 (1.0)
Gisborne District	1 (1.1)	1 (1.1)	2 (2.3)	2 (2.0)
Wairoa District	2 (2.3)	2 (2.3)	2 (2.3)	2 (2.0)
Hastings District	2 (2.3)	1 (1.1)	1 (1.2)	1 (1.0)
Napier City	1 (1.1)	—	—	—
Central Hawke's Bay District	—	—	—	—
New Plymouth District	3 (3.4)	3 (3.4)	2 (2.3)	4 (4.0)
Stratford District	—	—	—	—
South Taranaki District	—	—	—	—
Ruapehu District	2 (2.3)	2 (2.3)	1 (1.2)	1 (1.0)
Wanganui District	1 (1.1)	1 (1.1)	1 (1.2)	2 (2.0)
Rangitikei District	—	—	—	—
Manawatu District	—	—	—	—
Palmerston North City	2 (2.3)	1 (1.1)	2 (2.3)	2 (2.0)

TA area	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Tararua District	—	—	—	—
Horowhenua District	—	—	—	—
Kapiti Coast District	1 (1.1)	1 (1.1)	2 (2.3)	2 (2.0)
Porirua City	1 (1.1)	—	—	—
Upper Hutt City	—	—	1 (1.2)	1 (1.0)
Lower Hutt City	3 (3.4)	2 (2.3)	1 (1.2)	1 (1.0)
Wellington City	—	1 (1.1)	2 (2.3)	1 (1.0)
Masterton District	—	—	1 (1.2)	1 (1.0)
Carterton District	—	—	—	—
South Wairarapa District	—	—	—	—
Tasman District	—	—	—	—
Nelson City	—	—	—	—
Marlborough District	—	—	—	—
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	—	—	—	—
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	—	—	1 (1.0)
Christchurch City	2 (2.3)	2 (2.3)	1 (1.2)	3 (3.0)
Selwyn District	—	—	1 (1.2)	1 (1.0)
Ashburton District	—	—	—	—
Timaru District	—	—	—	—
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	—	—	—	—
Central Otago District	—	1 (1.1)	1 (1.2)	—
Queenstown-Lakes District	1 (1.1)	1 (1.1)	1 (1.2)	1 (1.0)
Dunedin City	—	2 (2.3)	1 (1.2)	1 (1.0)
Clutha District	—	—	1 (1.2)	1 (1.0)
Southland District	1 (1.1)	1 (1.1)	—	—
Gore District	—	1 (1.1)	1 (1.2)	1 (1.0)
Invercargill City	2 (2.3)	1 (1.1)	1 (1.2)	2 (2.0)
TLA code not available	—	—	—	1 (1.0)
Total	88	88	86	99

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 5-13. Geographic distribution of practising Māori dental hygienists by TA

TA area	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Far North	1 (3.6)	2 (6.5)	1 (2.7)	1 (2.0)
Whangarei	1 (3.6)	2 (6.5)	4 (10.8)	4 (8.0)
Kaipara	—	—	—	—
Auckland unitary authority	11 (39.3)	10 (32.3)	10 (27.0)	15 (30.0)
<i>Rodney</i>	1 (3.6)	1 (3.2)	2 (5.4)	1 (2.0)
<i>North Shore</i>	3 (10.7)	3 (9.7)	3 (8.1)	7 (14.0)
<i>Waitakere</i>	2 (7.1)	3 (9.7)	2 (5.4)	3 (6.0)
<i>Auckland</i>	4 (14.3)	3 (9.7)	2 (5.4)	1 (2.0)
<i>Manukau</i>	—	—	1 (2.7)	2 (4.0)
<i>Papakura</i>	1 (3.6)	—	—	1 (2.0)
<i>Franklin</i>	—	—	—	—
Thames-Coromandel District	—	—	—	—
Hauraki District	—	—	—	—
Waikato District	—	—	—	—
Matamata-Piako District	—	—	—	—
Hamilton City	2 (7.1)	1 (3.2)	3 (8.1)	2 (4.0)
Waipa District	1 (3.6)	1 (3.2)	1 (2.7)	1 (2.0)
Otorohanga District	1 (3.6)	1 (3.2)	—	—
South Waikato District	1 (3.6)	1 (3.2)	1 (2.7)	1 (2.0)
Waitomo District	—	—	—	—
Taupo District	—	—	—	1 (2.0)
Western Bay of Plenty District	—	—	—	1 (2.0)
Tauranga City	2 (7.1)	2 (6.5)	3 (8.1)	2 (4.0)
Rotorua District	—	—	—	1 (2.0)
Whakatane District	—	—	—	—
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	—	—	1 (2.7)	1 (2.0)
Wairoa District	—	—	—	—
Hastings District	1 (3.6)	1 (3.2)	1 (2.7)	1 (2.0)
Napier City	—	1 (3.2)	1 (2.7)	—
Central Hawke's Bay District	—	—	—	—
New Plymouth District	—	—	—	2 (4.0)
Stratford District	—	—	—	—
South Taranaki District	—	—	—	—
Ruapehu District	1 (3.6)	1 (3.2)	—	—
Wanganui District	—	—	—	2 (4.0)
Rangitikei District	—	—	—	—
Manawatu District	—	—	—	—
Palmerston North City	1 (3.6)	1 (3.2)	3 (8.1)	2 (4.0)

TA area	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Tararua District	—	—	—	—
Horowhenua District	—	—	—	—
Kapiti Coast District	—	—	—	1 (2.0)
Porirua City	—	—	—	—
Upper Hutt City	—	—	—	—
Lower Hutt City	—	—	1 (2.7)	—
Wellington City	1 (3.6)	2 (6.5)	2 (5.4)	3 (6.0)
Masterton District	—	—	1 (2.7)	1 (2.0)
Carterton District	—	—	—	—
South Wairarapa District	—	—	—	—
Tasman District	—	—	—	—
Nelson City	—	—	—	—
Marlborough District	—	—	—	—
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	—	—	—	—
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	—	—	1 (2.0)
Christchurch City	1 (3.6)	1 (3.2)	2 (5.4)	3 (6.0)
Selwyn District	—	—	—	—
Ashburton District	—	—	—	—
Timaru District	—	—	—	—
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	—	—	—	—
Central Otago District	—	1 (3.2)	—	—
Queenstown-Lakes District	1 (3.6)	1 (3.2)	1 (2.7)	1 (2.0)
Dunedin City	—	1 (3.2)	—	1 (2.0)
Clutha District	—	1 (3.2)	1 (2.7)	1 (2.0)
Southland District	—	—	—	—
Gore District	—	—	—	—
Invercargill City	—	—	—	—
TLA code not available	2 (7.1)	—	—	1 (2.0)
Total	28	31	37	50

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 5-14. Geographic distribution of practising Māori dental technicians by TA

TA area	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Far North	—	—	—	—
Whangarei	1 (10.0)	1 (12.5)	1 (11.1)	1 (11.1)
Kaipara	—	—	—	—
Auckland unitary authority	2 (20.0)	2 (25.0)	1 (11.1)	1 (11.1)
<i>Rodney</i>	—	—	—	—
<i>North Shore</i>	2 (20.0)	2 (25.0)	1 (11.1)	1 (11.1)
<i>Waitakere</i>	—	—	—	—
<i>Auckland</i>	—	—	—	—
<i>Manukau</i>	—	—	—	—
<i>Papakura</i>	—	—	—	—
<i>Franklin</i>	—	—	—	—
Thames-Coromandel District	—	—	—	—
Hauraki District	—	—	—	—
Waikato District	—	—	—	—
Matamata-Piako District	—	—	—	—
Hamilton City	—	—	—	—
Waipa District	—	—	—	—
Otorohanga District	—	—	—	—
South Waikato District	—	—	—	—
Waitomo District	—	—	—	—
Taupo District	—	—	—	—
Western Bay of Plenty District	—	—	—	—
Tauranga City	—	—	—	—
Rotorua District	—	—	—	—
Whakatane District	—	—	—	1 (11.1)
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	1 (10.0)	1 (12.5)	1 (11.1)	—
Wairoa District	—	—	—	—
Hastings District	1 (10.0)	—	1 (11.1)	—
Napier City	1 (10.0)	1 (12.5)	1 (11.1)	1 (11.1)
Central Hawke's Bay District	—	—	—	—
New Plymouth District	—	—	—	—
Stratford District	—	—	—	—
South Taranaki District	—	—	—	—
Ruapehu District	—	—	—	—
Wanganui District	—	—	—	—
Rangitikei District	—	—	—	—
Manawatu District	—	—	—	—
Palmerston North City	—	—	—	—

TA area	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Tararua District	—	—	—	—
Horowhenua District	—	—	—	—
Kapiti Coast District	—	—	—	—
Porirua City	—	—	—	—
Upper Hutt City	2 (20.0)	2 (25.0)	2 (22.2)	2 (22.2)
Lower Hutt City	—	—	—	—
Wellington City	—	—	—	—
Masterton District	—	—	—	—
Carterton District	—	—	—	—
South Wairarapa District	—	—	—	—
Tasman District	—	—	—	—
Nelson City	—	—	—	—
Marlborough District	—	—	—	—
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	—	—	—	—
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	—	—	—
Christchurch City	1 (10.0)	—	1 (11.1)	2 (22.2)
Selwyn District	—	—	—	—
Ashburton District	—	—	—	—
Timaru District	—	—	—	—
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	—	—	—	—
Central Otago District	—	—	—	—
Queenstown-Lakes District	—	—	—	—
Dunedin City	1 (10.0)	1 (12.5)	1 (11.1)	1 (11.1)
Clutha District	—	—	—	—
Southland District	—	—	—	—
Gore District	—	—	—	—
Invercargill City	—	—	—	—
TLA code not available	—	—	—	—
Total	10	8	9	9

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 5-15. Geographic distribution of practising Māori dentists by district health board (DHB)

	2012	2013	2014	2015
Northland	4 (6.3)	3 (4.5)	4 (5.6)	4 (5.6)
Waitemata	6 (9.5)	5 (7.6)	5 (7.0)	5 (7.0)
Auckland	8 (12.7)	8 (12.1)	9 (12.7)	7 (9.9)
Counties-Manukau	3 (4.8)	2 (3.0)	3 (4.2)	3 (4.2)
Waikato	9 (14.3)	11 (16.7)	9 (12.7)	10 (14.1)
Lakes	2 (3.2)	1 (1.5)	—	2 (2.8)
Bay of Plenty	3 (4.8)	2 (3.0)	2 (2.8)	1 (1.4)
Tairāwhiti	2 (3.2)	2 (3.0)	2 (2.8)	2 (2.8)
Hawke's Bay	1 (1.6)	3 (4.5)	2 (2.8)	4 (5.6)
Taranaki	1 (1.6)	1 (1.5)	2 (2.8)	2 (2.8)
Whanganui	1 (1.6)	1 (1.5)	1 (1.4)	2 (2.8)
MidCentral	2 (3.2)	2 (3.0)	3 (4.2)	3 (4.2)
Hutt	—	—	1 (1.4)	2 (2.8)
Capital and Coast	6 (9.5)	6 (9.1)	7 (9.9)	5 (7.0)
Wairarapa	—	1 (1.5)	1 (1.4)	1 (1.4)
Nelson-Marlborough	1 (1.6)	1 (1.5)	1 (1.4)	2 (2.8)
West Coast	—	—	—	—
Canterbury	7 (11.1)	8 (12.1)	9 (12.7)	8 (11.3)
South Canterbury	—	—	—	—
Southern	7 (11.1)	8 (12.1)	9 (12.7)	8 (11.3)
Unknown	—	1 (1.5)	1 (1.4)	—
Total	63	66	71	71

(Data sources: Workforce survey and Statistics New Zealand)

Table 5-16. Geographic distribution of practising Māori dental therapists by DHB

	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Northland	11 (12.5)	11 (12.5)	13 (15.1)	13 (13.1)
Waitemata	15 (17.0)	14 (15.9)	10 (11.6)	16 (16.2)
Auckland	3 (3.4)	8 (9.1)	6 (7.0)	5 (5.1)
Counties-Manukau	8 (9.1)	7 (8.0)	5 (5.8)	8 (8.1)
Waikato	14 (15.9)	12 (13.6)	12 (14.0)	10 (10.1)
Lakes	5 (5.7)	6 (6.8)	7 (8.1)	7 (7.1)
Bay of Plenty	8 (9.1)	7 (8.0)	8 (9.3)	9 (9.1)
Tairāwhiti	1 (1.1)	1 (1.1)	2 (2.3)	2 (2.0)
Hawke's Bay	5 (5.7)	3 (3.4)	3 (3.5)	3 (3.0)
Taranaki	3 (3.4)	3 (3.4)	2 (2.3)	4 (4.0)
Whanganui	2 (2.3)	2 (2.3)	1 (1.2)	2 (2.0)
MidCentral	3 (3.4)	2 (2.3)	3 (3.5)	3 (3.0)
Hutt	3 (3.4)	2 (2.3)	2 (2.3)	2 (2.0)
Capital and Coast	1 (1.1)	1 (1.1)	3 (3.5)	2 (2.0)
Wairarapa	—	—	1 (1.2)	1 (1.0)
Nelson-Marlborough	—	—	—	—
West Coast	—	—	—	—
Canterbury	2 (2.3)	2 (2.3)	2 (2.3)	5 (5.1)
South Canterbury	—	—	—	—
Southern	4 (4.5)	7 (8.0)	6 (7.0)	6 (6.1)
Unknown	—	—	—	1 (1.0)
Total	88	88	86	99

(Data sources: Workforce survey and Statistics New Zealand)

Table 5-17. Geographic distribution of practising Māori dental hygienists by DHB

	2012 (%)	2013 (%)	2014 (%)	2015 (%)
Northland	2 (7.1)	4 (12.9)	5 (13.5)	5 (10.0)
Waitemata	6 (21.4)	7 (22.6)	7 (18.9)	11 (22.0)
Auckland	4 (14.3)	3 (9.7)	2 (5.4)	1 (2.0)
Counties-Manukau	1 (3.6)	—	1 (2.7)	3 (6.0)
Waikato	5 (17.9)	4 (12.9)	5 (13.5)	4 (8.0)
Lakes	—	—	—	2 (4.0)
Bay of Plenty	2 (7.1)	2 (6.5)	3 (8.1)	3 (6.0)
Tairāwhiti	—	—	1 (2.7)	1 (2.0)
Hawke's Bay	1 (3.6)	2 (6.5)	2 (5.4)	1 (2.0)
Taranaki	—	—	—	2 (4.0)
Whanganui	1 (3.6)	1 (3.2)	—	2 (4.0)
MidCentral	1 (3.6)	1 (3.2)	3 (8.1)	2 (4.0)
Hutt	—	—	1 (2.7)	—
Capital and Coast	1 (3.6)	2 (6.5)	2 (5.4)	4 (8.0)
Wairarapa	—	—	1 (2.7)	1 (2.0)
Nelson-Marlborough	—	—	—	—
West Coast	—	—	—	—
Canterbury	1 (3.6)	1 (3.2)	2 (5.4)	4 (8.0)
South Canterbury	—	—	—	—
Southern	1 (3.6)	4 (12.9)	2 (5.4)	3 (6.0)
Unknown	2 (7.1)	—	—	1 (2.0)
Total	28	31	37	50

(Data sources: Workforce survey and Statistics New Zealand)

Table 5-18. Geographic distribution of practising Māori dental technicians by DHB

	2012	2013	2014	2015
Northland	1 (10.0)	1 (12.5)	1 (11.1)	1 (11.1)
Waitemata	2 (20.0)	2 (25.0)	1 (11.1)	1 (11.1)
Auckland	—	—	—	—
Counties-Manukau	—	—	—	—
Waikato	—	—	—	—
Lakes	—	—	—	—
Bay of Plenty	—	—	—	1 (11.1)
Tairāwhiti	1 (10.0)	1 (12.5)	1 (11.1)	—
Hawke's Bay	2 (20.0)	1 (12.5)	2 (22.2)	1 (11.1)
Taranaki	—	—	—	—
Whanganui	—	—	—	—
MidCentral	—	—	—	—
Hutt	2 (20.0)	2 (25.0)	2 (22.2)	2 (22.2)
Capital and Coast	—	—	—	—
Wairarapa	—	—	—	—
Nelson-Marlborough	—	—	—	—
West Coast	—	—	—	—
Canterbury	1 (10.0)	—	1 (11.1)	2 (22.2)
South Canterbury	—	—	—	—
Southern	1 (10.0)	1 (12.5)	1 (11.1)	1 (11.1)
Unknown	—	—	—	—
Total	10	8	9	9

(Data sources: Workforce survey and Statistics New Zealand)

Section 6: Appendices

Table 6-1. Geographic distribution of practising oral health practitioners by Territorial Authority, as at end of 2015 reporting periods

TA area	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists and orthodontic auxiliaries (%)	Dental technicians and clinical dental technicians (%)	Total (%)
Far North	22 (1.0)	13 (1.5)	7 (1.0)	2 (0.6)	44 (1.0)
Whangarei	38 (1.7)	24 (2.7)	18 (2.4)	10 (2.8)	90 (2.1)
Kaipara	2 (0.1)	2 (0.2)	—	1 (0.3)	5 (0.1)
Auckland unitary authority	742 (32.4)	342 (39.1)	312 (42.4)	136 (38.5)	1,532 (36.0)
<i>Rodney</i>	33 (1.4)	13 (1.5)	16 (2.2)	10 (2.8)	72 (1.7)
<i>North Shore</i>	147 (6.4)	68 (7.8)	65 (8.8)	44 (12.5)	324 (7.6)
<i>Waitakere</i>	71 (3.1)	48 (5.5)	31 (4.2)	8 (2.3)	158 (3.7)
<i>Auckland</i>	340 (14.8)	109 (12.5)	128 (17.4)	42 (11.9)	619 (14.5)
<i>Manukau</i>	113 (4.9)	75 (8.6)	59 (8.0)	23 (6.5)	270 (6.3)
<i>Papakura</i>	22 (1.0)	13 (1.5)	4 (0.5)	4 (1.1)	43 (1.0)
<i>Franklin</i>	16 (0.7)	16 (1.8)	9 (1.2)	5 (1.4)	46 (1.1)
Thames-Coromandel District	12 (0.5)	4 (0.5)	2 (0.3)	—	18 (0.4)
Hauraki District	2 (0.1)	—	—	—	2 (0.0)
Waikato District	4 (0.2)	3 (0.3)	4 (0.5)	3 (0.8)	14 (0.3)
Matamata-Piako District	12 (0.5)	3 (0.3)	—	—	15 (0.4)
Hamilton City	106 (4.6)	42 (4.8)	27 (3.7)	12 (3.4)	187 (4.4)
Waipa District	20 (0.9)	4 (0.5)	8 (1.1)	1 (0.3)	33 (0.8)
Otorohanga District	8 (0.3)	0 (0.0)	—	—	8 (0.2)
South Waikato District	4 (0.2)	3 (0.3)	2 (0.3)	—	9 (0.2)
Waitomo District	1 (0.0)	1 (0.1)	—	—	2 (0.0)
Taupo District	12 (0.5)	5 (0.6)	3 (0.4)	2 (0.6)	22 (0.5)
Western Bay of Plenty District	10 (0.4)	5 (0.6)	4 (0.5)	2 (0.6)	21 (0.5)
Tauranga City	74 (3.2)	29 (3.3)	20 (2.7)	8 (2.3)	131 (3.1)
Rotorua District	23 (1.0)	22 (2.5)	8 (1.1)	2 (0.6)	55 (1.3)
Whakatane District	12 (0.5)	6 (0.7)	3 (0.4)	2 (0.6)	23 (0.5)
Kawerau District	—	—	—	1 (0.3)	1 (0.0)
Opotiki District	1 (0.0)	2 (0.2)	—	—	3 (0.1)
Gisborne District	12 (0.5)	8 (0.9)	6 (0.8)	1 (0.3)	27 (0.6)
Wairoa District	2 (0.1)	3 (0.3)	—	—	5 (0.1)
Hastings District	31 (1.4)	17 (1.9)	9 (1.2)	3 (0.8)	60 (1.4)
Napier City	29 (1.3)	11 (1.3)	5 (0.7)	8 (2.3)	53 (1.2)
Central Hawke's Bay District	3 (0.1)	1 (0.1)	—	—	4 (0.1)
New Plymouth District	31 (1.4)	18 (2.1)	11 (1.5)	4 (1.1)	64 (1.5)
Stratford District	1 (0.0)	3 (0.3)	—	—	4 (0.1)
South Taranaki District	7 (0.3)	3 (0.3)	3 (0.4)	—	13 (0.3)
Ruapehu District	3 (0.1)	3 (0.3)	—	—	6 (0.1)
Wanganui District	19 (0.8)	17 (1.9)	10 (1.4)	2 (0.6)	48 (1.1)
Rangitikei District	3 (0.1)	3 (0.3)	1 (0.1)	—	7 (0.2)

TA area	Dentists and dental specialists (%)	Dental therapists (%)	Dental hygienists and orthodontic auxiliaries (%)	Dental technicians and clinical dental technicians (%)	Total (%)
Manawatu District	4 (0.2)	2 (0.2)	1 (0.1)	1 (0.3)	8 (0.2)
Palmerston North City	50 (2.2)	22 (2.5)	24 (3.3)	6 (1.7)	102 (2.4)
Tararua District	3 (0.1)	3 (0.3)	—	—	6 (0.1)
Horowhenua District	10 (0.4)	4 (0.5)	1 (0.1)	1 (0.3)	16 (0.4)
Kapiti Coast District	17 (0.7)	6 (0.7)	6 (0.8)	3 (0.8)	32 (0.8)
Porirua City	10 (0.4)	5 (0.6)	3 (0.4)	4 (1.1)	22 (0.5)
Upper Hutt City	16 (0.7)	5 (0.6)	8 (1.1)	6 (1.7)	35 (0.8)
Lower Hutt City	60 (2.6)	27 (3.1)	16 (2.2)	5 (1.4)	108 (2.5)
Wellington City	145 (6.3)	25 (2.9)	54 (7.3)	16 (4.5)	240 (5.6)
Masterton District	10 (0.4)	10 (1.1)	2 (0.3)	1 (0.3)	23 (0.5)
Carterton District	5 (0.2)	1 (0.1)	1 (0.1)	—	7 (0.2)
South Wairarapa District	—	—	—	—	—
Tasman District	18 (0.8)	7 (0.8)	4 (0.5)	3 (0.8)	32 (0.8)
Nelson City	33 (1.4)	7 (0.8)	10 (1.4)	8 (2.3)	58 (1.4)
Marlborough District	18 (0.8)	7 (0.8)	2 (0.3)	4 (1.1)	31 (0.7)
Kaikoura District	1 (0.0)	—	—	—	1 (0.0)
Buller District	2 (0.1)	1 (0.1)	—	—	3 (0.1)
Grey District	6 (0.3)	2 (0.2)	3 (0.4)	—	11 (0.3)
Westland District	—	1 (0.1)	—	—	1 (0.0)
Hurunui District	1 (0.0)	1 (0.1)	—	—	2 (0.0)
Waimakariri District	16 (0.7)	4 (0.5)	1 (0.1)	2 (0.6)	23 (0.5)
Christchurch City	217 (9.5)	50 (5.7)	51 (6.9)	36 (10.2)	354 (8.3)
Selwyn District	9 (0.4)	3 (0.3)	4 (0.5)	1 (0.3)	17 (0.4)
Ashburton District	6 (0.3)	3 (0.3)	2 (0.3)	1 (0.3)	12 (0.3)
Timaru District	19 (0.8)	6 (0.7)	4 (0.5)	4 (1.1)	33 (0.8)
Mackenzie District	—	—	—	—	—
Waimate District	—	—	—	—	—
Chatham Islands Territory	—	—	—	—	—
Waitaki District	18 (0.8)	4 (0.5)	3 (0.4)	1 (0.3)	26 (0.6)
Central Otago District	9 (0.4)	3 (0.3)	3 (0.4)	1 (0.3)	16 (0.4)
Queenstown-Lakes District	18 (0.8)	4 (0.5)	4 (0.5)	3 (0.8)	29 (0.7)
Dunedin City	166 (7.2)	38 (4.3)	31 (4.2)	38 (10.8)	273 (6.4)
Clutha District	5 (0.2)	3 (0.3)	1 (0.1)	—	9 (0.2)
Southland District	2 (0.1)	3 (0.3)	1 (0.1)	—	6 (0.1)
Gore District	5 (0.2)	5 (0.6)	2 (0.3)	—	12 (0.3)
Invercargill City	31 (1.4)	9 (1.0)	12 (1.6)	3 (0.8)	55 (1.3)
TLA code not available	116 (5.1)	7 (0.8)	18 (2.4)	5 (1.4)	146 (3.4)
Total	2,292	875	735	353	4,255

(Data sources: Dental register, workforce survey & Statistics New Zealand)

Table 6-2. Population to oral health practitioners by district health board, as at end of 2015 reporting periods

	Dentists and dental specialists		Dental therapists		Dental hygienists and orthodontic auxiliaries		Dental technicians and clinical dental technicians	
	Number with practising certificates	Number per 100,000 population aged 15+ years	Number with practising certificates	Number per 100,000 population aged <15 years	Number with practising certificates	Number per 100,000 population aged 15+ years	Number with practising certificates	Number per 100,000 population aged 15+ years
Northland	62	46.9	39	107.7	25	18.9	13	9.8
Waitemata	264	57.3	139	121.1	120	26.0	64	13.9
Auckland	327	80.5	99	117.9	120	29.6	40	9.9
Counties-Manukau	151	37.7	104	85.7	72	18.0	32	8.0
Waikato	169	54.9	62	74.8	43	14.0	16	5.2
Lakes	35	42.9	27	116.4	11	13.5	4	4.9
Bay of Plenty	97	55.2	42	91.5	27	15.4	13	7.4
Tairāwhiti	12	33.5	8	69.0	6	16.8	1	2.8
Hawke's Bay	65	70.9	32	132.2	14	15.3	11	12.0
Taranaki	39	31.0	24	69.6	14	11.1	4	3.2
Whanganui	25	50.3	21	162.8	11	22.1	2	4.0
MidCentral	68	49.3	32	93.8	27	19.6	8	5.8
Hutt	76	66.4	32	108.1	24	21.0	11	9.6
Capital and Coast	171	69.3	35	64.3	62	25.1	23	9.3
Wairarapa	15	43.2	11	129.4	3	8.6	1	2.9
Nelson-Marlborough	69	58.4	21	78.7	16	13.5	15	12.7
West Coast	8	30.1	4	65.6	3	11.3	—	—
Canterbury	250	58.2	61	63.3	58	13.5	40	9.3
South Canterbury	19	39.6	6	56.6	4	8.3	4	8.3
Southern ^b	254 [185]	98.6 [71.8]	69 [58]	122.3 [102.8]	57 [45]	22.1 [17.5]	46 [30]	17.9 [11.6]
Unknown	116		7		18		5	
Total	2,292	62.3	875	95.7	735	20.0	353	12.8

^a Population estimate as at 30 June 2015. Due to rounding, individual figures may not always sum to the stated totals

^b Data in square brackets for Southern DHB exclude oral health practitioners who reported the University of Otago as their primary employer (Data sources: Workforce survey and Statistics New Zealand)