

# Dental Council

## Workforce Analysis 2018-2019

### Primary reporting periods:

Dentists and dental specialists  
1<sup>st</sup> October 2017 – 30<sup>th</sup> September 2019

Dental therapists, hygienists, and technicians  
1<sup>st</sup> April 2017 – 31<sup>st</sup> March 2019

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# Introduction

The workforce report for 2018 and 2019 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.

A number of major changes occurred during the 2018-2019 reporting year, which resulted in some changes for this report.

## Introduction of oral health therapy

The Council established a new oral health therapy scope of practice for oral health graduates, which came into effect in November 2017. Before then oral health graduates were registered as dental hygienists and dental therapists. Eligible oral health graduates were moved from the dental hygiene and dental therapy scopes into the new oral health therapy scope of practice.

This resulted in significant shifts from 2017 to 2018 to dental hygiene and dental therapy data. These changes are not indicative of trends and direct comparisons should be avoided.

## New registration system

In 2018 the Council introduced a new registration system and an online form for practitioners to renew their annual practising certificates (APCs).

The data for this report was sourced from the new online system. Practitioners entered the workforce data when completing their online APC renewal form.

The new system required revised data structures to support improved functionality which has affected analysis and interpretation - resulting in some variability in the reporting compared to previous reports. These changes mostly relate to prescribed qualifications, ethnicity, and some aspects of employment, type of work and hours worked.

The Council undertook a major cleansing of the qualifications it displays for each practitioner on the public register. Only the qualification/s that resulted in the practitioner's registration in a particular scope of practice is now displayed on the public register, and used for this analysis. Practitioners can have multiple qualifications for the same scope of practice, from the same country or from a combination of different countries.

A new "undefined" qualification count has been introduced to reflect the training and experiences that contributed towards registration, but are not formal qualifications.

The new system also allows practitioners with multiple scopes of practice within the same "profession group" (for example dentists and dental specialists) to have different practising intentions. This could also have an impact on shifts of practising certificate numbers within a "profession group".

Improvements in the collection and recording of ethnicity data will result in more consistent and meaningful ethnicity comparisons going forward, resulting in differences from earlier reported ethnicity data.

The survey response rate had increased overall. The introduction of the online data collection could have contributed to the very high survey completion rate.



## General commentary

For workforce planning purposes the interest will be on key changes, movements, or critical observations. These are highlighted in the executive summary of each section.

The report compares changes from 2018 to 2019 but also provides relative observations from previous years to allow comparison, where appropriate, over longer periods.

The workforce data is based on information from practitioners for their previous annual practising cycle – October to September for dentists and dental specialists, and April to March for others – there will be some differences with the financial reporting year data provided in our annual reports.

The quality and validity of the workforce specific information is dependent on the information practitioners provide. Responses may also not be provided across all the areas. This may reduce the confidence for aspects where responses have either not been provided or are incomplete, even though the overall response rate was very high.

The report follows classifications based on Statistics New Zealand standards where they exist and are applicable.

Due to the reported inaccuracies in the 2018 Census, population estimates were interpolated using more reliable points. Population estimates for district health boards were sourced from the Ministry of Health to ensure consistency with their statistics.

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

A territorial authority is defined under the Local Government Act 2002 as a city or a district council.

Where practitioner groups were subcategorised for reporting purposes the practitioner's highest scope of practice level dictated the categorisation used. For example, where a practitioner is registered in the general dental practice and a dental specialist scope of practice, their information will be reported under the dental specialist sub-category.

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## Oral health practitioners

2019  
workforce  
at a glance

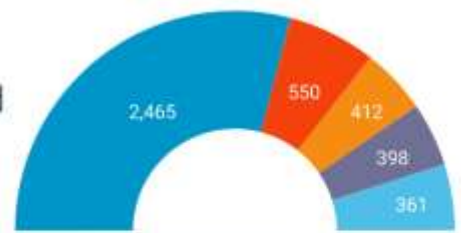


4,186 practising

4,886 registered



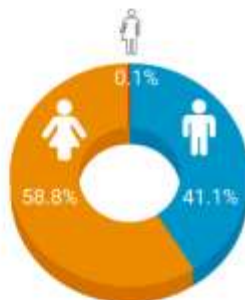
700 not practising



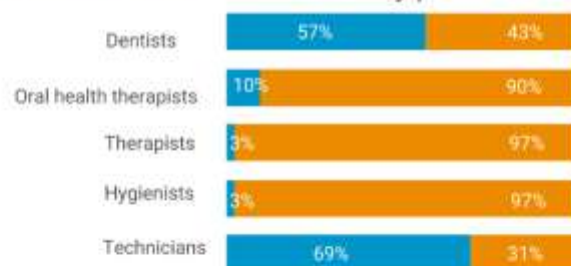
Practising

Dentists Oral health therapists Therapists  
Hygienists Technicians

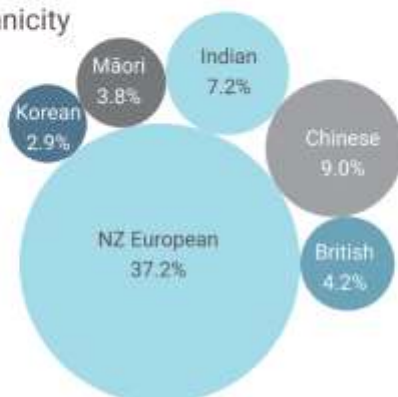
## Practising demographics



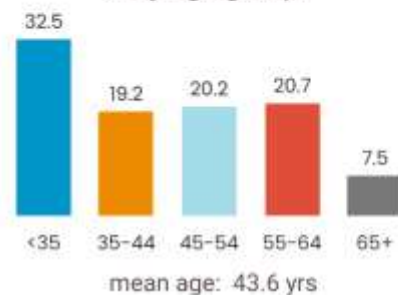
### Gender by profession



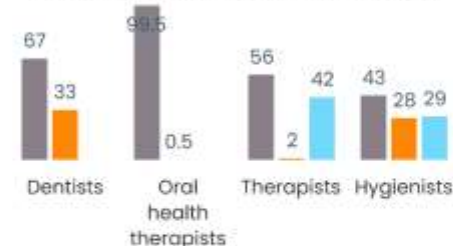
### Ethnicity



### % by age group



## Country of primary qualification



■ NZ qualification % ■ Overseas qualification % ■ Undefined %

Excluding technicians

Undefined: training and experience not linked to formal qualification

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# Section 1:

## The dentist and dental specialist workforce

# Dentists and dental specialists

2019 workforce at a glance



2,465 practising

2,969 registered



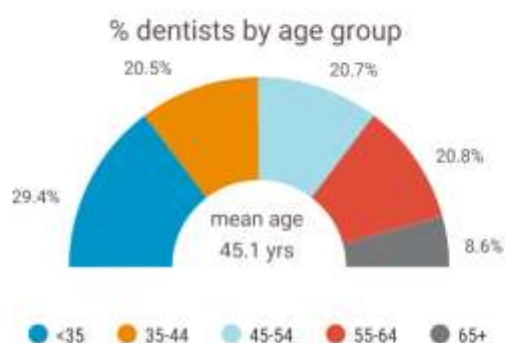
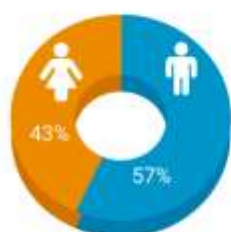
504 not practising

307 practising specialists

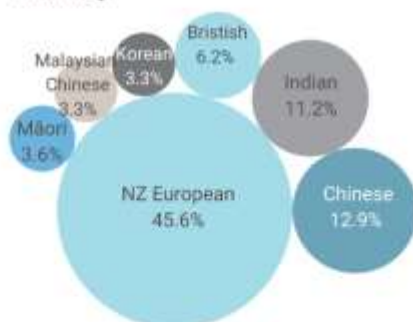


2,158 practising dentists

## Practising demographics



### Ethnicity



### Country of qualifications



## Primary employment

Self-employed 61.7%



15.5% solo practice



46.2% group practice

Employees 19.2%

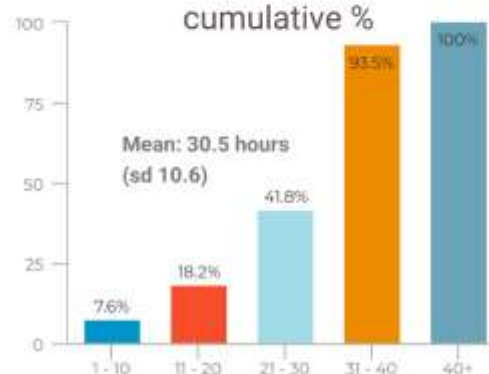


9.6% private practice

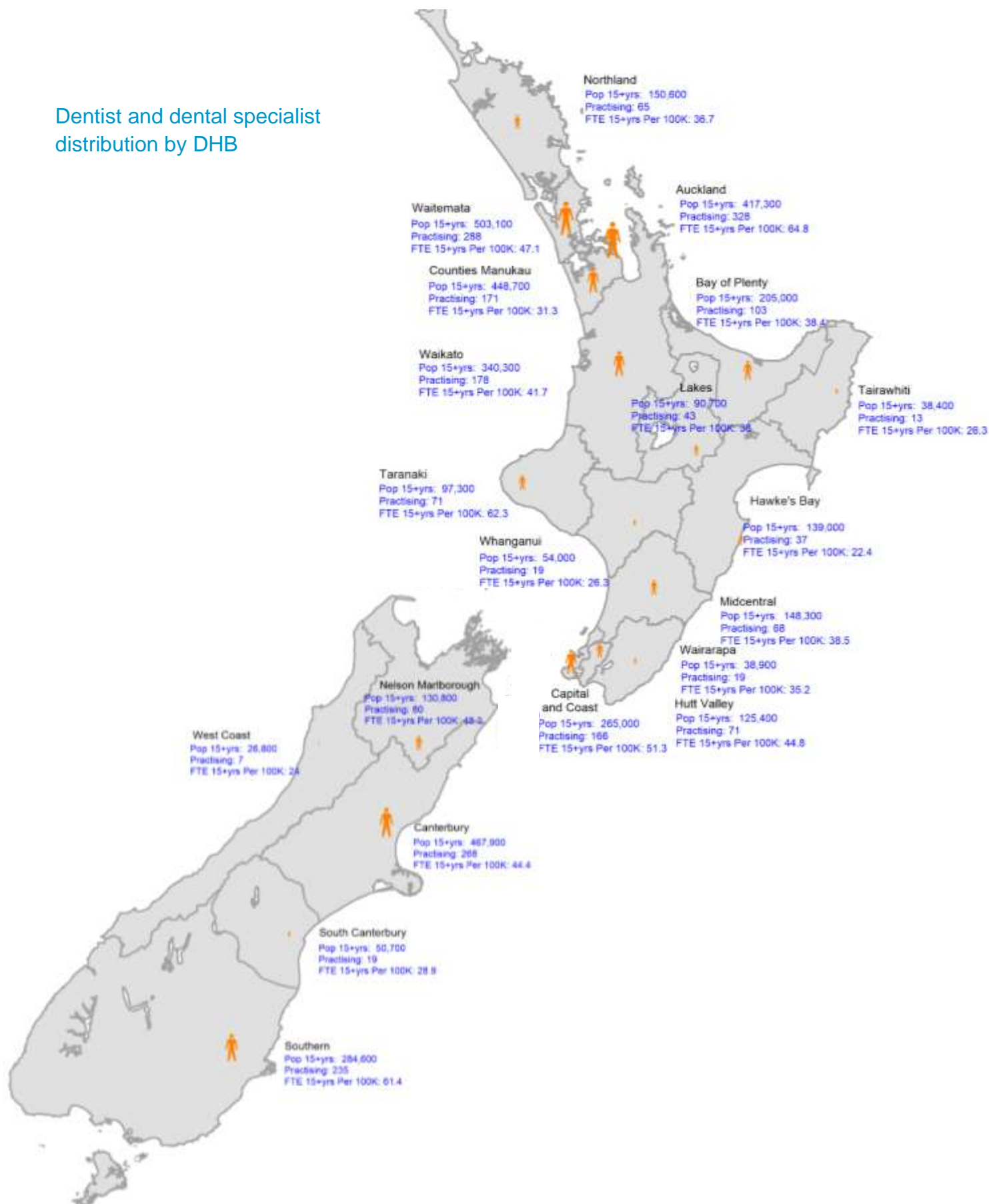


5.6% district health boards

## Hours worked cumulative %



## Dentist and dental specialist distribution 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 2.2% between 2018 and 2019.

In 2019 there were a total of 2,969 dentists and dental specialists on the register: an increase of 3.6% from 2017. A total of 2,465 (83.0%) held practising certificates for the 2019 year. Compared with 2017, the number of dentists and dental specialists without practising certificates was significantly higher in 2018 with a similar magnitude in 2019: possibly due to the ability to select different practising intentions if there were multiple scopes of practice. Table 1-1

Table 1-1. Registered dentists and dental specialists

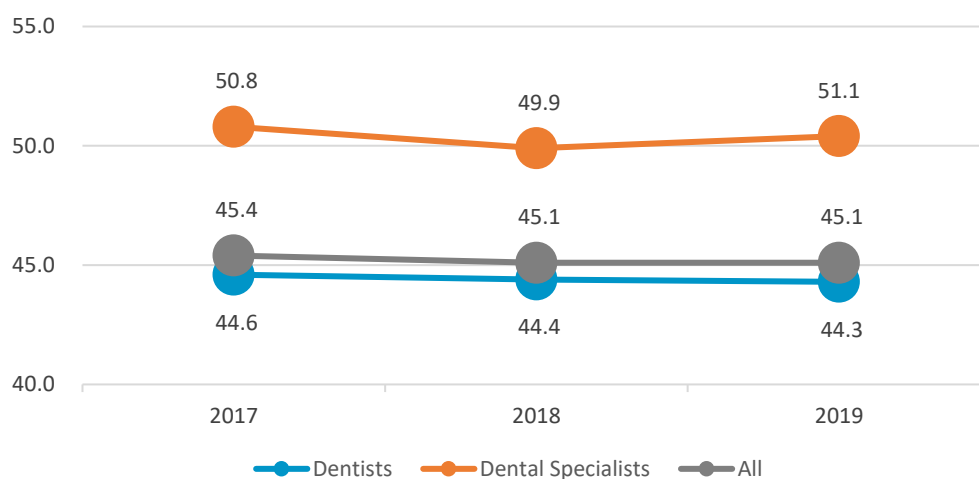
	2017	% YoY	2018	% YoY	2019
Registered dentists with practising certificates	2,285	-7.4	2,115	2.0	2,158
Registered dental specialists with practising certificates	311	3.2	321	-4.4	307
Registered dentists with no practising certificates	228	78.5	407	2.7	418
Registered dental specialists with no practising certificates	41	51.2	62	38.7	86
<b>Total</b>	<b>2,865</b>	<b>1.4</b>	<b>2,905</b>	<b>2.2</b>	<b>2,969</b>

### Demographics

The mean age showed a continuing gradual decline for practising dentists and a slight increase for dental specialists.

The mean age for practising dentists was 44.3, for dental specialists 51.1, and for the total group 45.1 in 2019. Figure 1-1

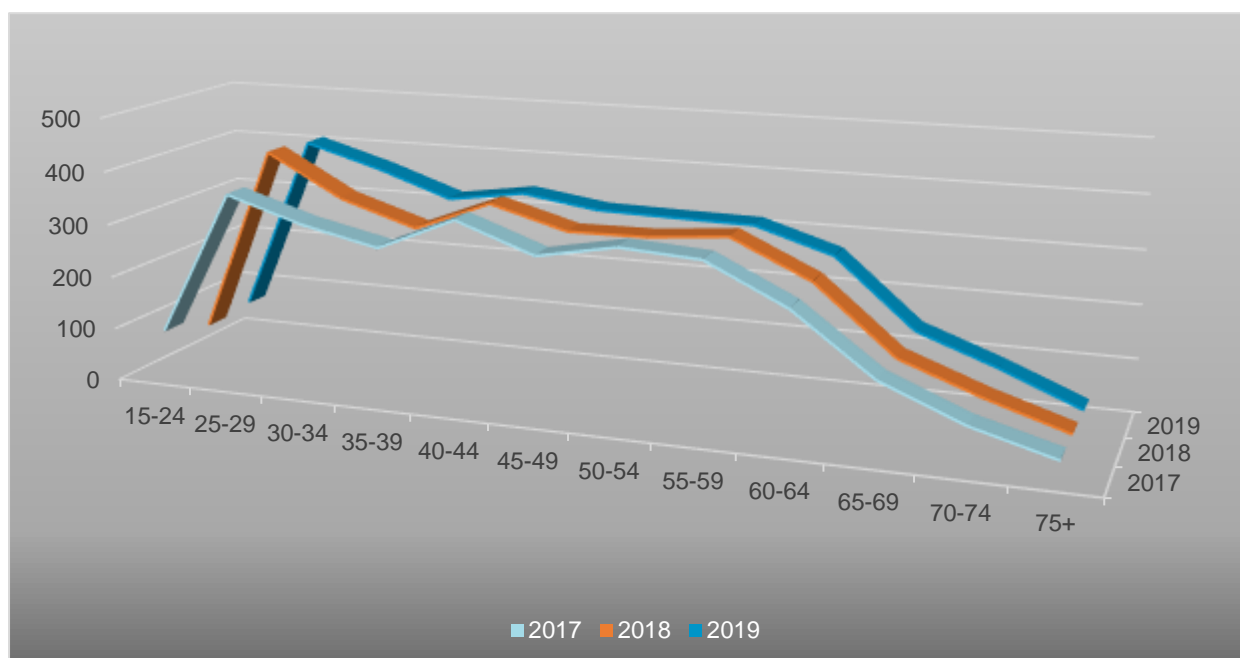
Figure 1-1. Mean age of practising dentists and dental specialists





An age group distribution indicates that there were gradual increases in the earlier age groups (15-24, 25-29 and 30-34), with a sustained but steep decline in numbers from 55-59 years onwards. Over the last 5 years there has been a continued decline of the numbers over 50 (from a peak in 2013). A total of 211 dentists and dental specialists aged 65 years and older had practising certificates in 2019; 22 of these were 75 years or older. <sup>Figure 1-2 & Table 1-4</sup>

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



Females continued to increase in numbers from 35.1% of practising dentists and dental specialists in 2012 to 43.2% in 2019. <sup>Table 1-5</sup>

The ethnicity reported reflects the diversity of the profession, but not the make-up of the population of New Zealand<sup>1</sup>. New Zealand European remains the largest ethnicity at 45.6%, with Māori 3.6% of practising dentists and dental specialists in 2019. The highest reported other ethnicities included: Chinese (319, 12.9%), Indian (275, 11.2%), British (154, 6.2%), Korean (82, 3.3%), Malaysian Chinese (81, 3.3%), New Zealander (71, 2.9%), South African (71, 2.9%) and Iraqi (62, 2.5%). <sup>Table 1-7</sup>

## Registration

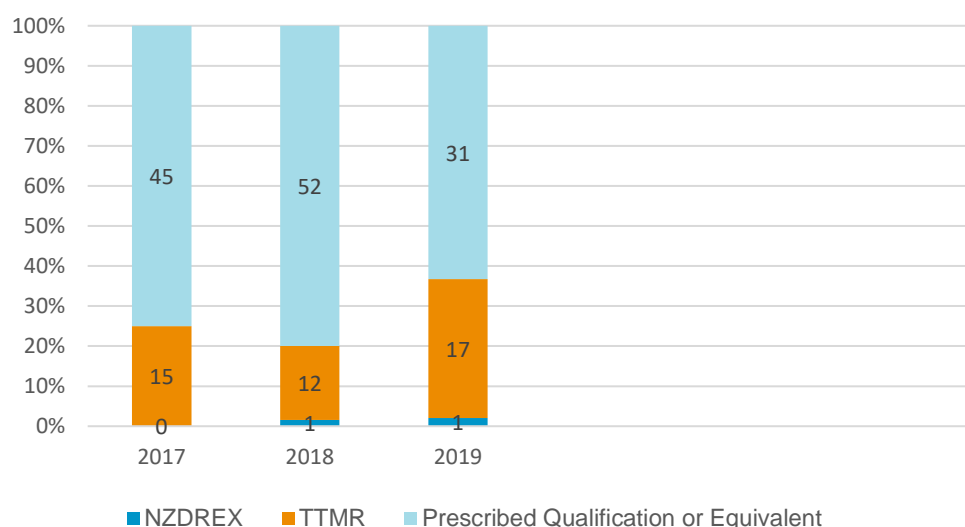
The proportion of overseas qualifications by dentists and dental specialists was 32.6% in 2019, compared with 67.3% New Zealand qualifications. The greatest number of overseas qualifications in 2019 were from the UK (244, 8.5%), India (162, 5.7%), Australia (141, 4.9%) and South Africa (94, 3.3%). Due to the changes in recording multiple qualifications, it is not meaningful to draw direct comparisons with previous reports. <sup>Table 1-9</sup>

The significant shifts in the types of registrations from 2012 continues in 2019. Dentist examination registrations (NZDREX) reduced from about 50% in 2012 to a single registration for the last two years. The decline in NZDREX numbers is due to a change in August 2016 of the examinations being administered by NDEB of Canada.

<sup>1</sup> 2018 Stats NZ census data: <https://www.stats.govt.nz/news/new-zealands-population-reflects-growing-diversity>

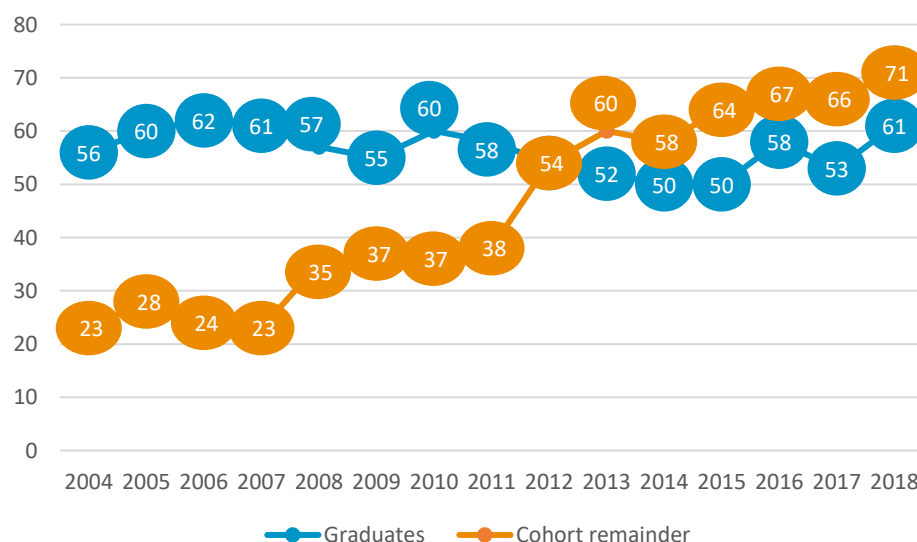
During 2019, of those with practising certificates, 18.4% of overseas qualified dentists were registered by having their overseas qualifications individually assessed, while 34.7% registered via TTMR and about 45% had prescribed overseas qualifications. Table 1-12

Figure 1-3. Types of registration pathways for dentists



Since 2011, the number of dental graduates from the University of Otago has been higher than the number of local students and has shown a consistent increase registration rate immediately following graduation from 103.4% in 2011 to 116.4% in 2019, with a peak of 146.0% in 2015. This is due to international funded students registering and practising in New Zealand following graduation. Table 1-10, Table 1-11

Figure 1-4. Longitudinal cohort remainder rate of university of Otago dental graduates, as at 30 September 2019



## Practising characteristics

The type of primary employment reported has shown a continued decrease of self-employed dentists and dental specialists (67.5% in 2015, 53.5% in 2017, 61.7% in 2019), with an increase of employees (16.5% to 19.2%) over the same period. Table 1-14

Using a 40-hour work week as a norm, it was found that 93.9% of dentists reported working 40 hours or less per week in 2019 with about the same (89.7%) in 2015. More dental specialists reported working 40 hours or less, increasing from 62.7% in 2017 to 90.6% in 2019 (with a better response rate to this question in 2019, up by 22%). Table 1-16

The dentists with the highest mean hours of work in general dentistry reported for 2019 were those in Iwi organisations (33.8 hours per week) closely followed by the DHB/MOH group as primary employer (33.6 hours per week) and solo practice self-employed dentists (33.3 hours per week). Self-employed dentists in solo private practice and those in group practices, as well as the employees in private practice all reported similar average hours of work per week – between 31-33 hours per week for 2019. Dentists working in the Universities reported the highest mean hours as secondary employer with teaching 11.5 mean hours in 2019. Table 1-20, Table 1-21

Similar to the 2016-2017 workforce report, for dental specialists, the highest reported hours (over 40 hours per week) for 2019 were for oral and maxillofacial surgery across all primary employment types (ranging between 37.6 and 42.4 mean hours in DHBs and private practice – self employed). Oral surgeons practising primarily in private practice as an employee (3) reported a mean of 45.0 hours, followed by 42.4 hours for oral and maxillofacial surgeons (8) self-employed in private practice; slightly down compared to previous highs for these disciplines of 36.5 and 52.5 hours respectively, in 2017. Table 1-23

Personal choice (65.1%, 437 respondents), semi-retirement (16.2%) and studying (5.5%) were the main reasons for working part-time. Parental responsibilities previously featured highly but may have been subsumed in personal choice as the combination of Personal Choice and parental responsibilities from previous years (65.2%) is similar to Personal Choice in 2019. Table 1-17

## Geographical distribution

Six territorial authorities (TAs) had no dentists and no dental specialists recorded. Based on 2019 data, these included: Kaipara, Westland, Hurunui, Mackenzie, Waimate and Chatham Islands territories. Table 1-28

A total of 61.3 (49.1 FTE) dentists and dental specialists per 100,000 NZ population over 15 years of age was reported. In 2017, 68.2 dentists and dental specialists per 100,000 NZ population over 15 years of age were reported (43.2 FTE) showing a decline in dentists and dental specialists per population ratio, and an increase in FTE reflecting increasing workloads. Table 1-29

## Postgraduate studies

Postgraduate studies reported by dentists and dental specialists showed variation over the years with a high of 143 in 2013. The numbers have decreased to 80 (2018) and 98 (2019). Of these in 2019, the most common areas of study reported were orthodontics (17) and oral and maxillofacial surgery (10), followed by dental public health and prosthodontics (8 each). Table 1-32, Table 1-33

## Workforce survey response rate

The response rate in 2017 was 75%. In 2018 and 2019 this has increased significantly to a 98.3% response rate. <sup>Table 1-2</sup>

Table 1-2. Dentist and dental specialist survey responses

Year	Response rate (%)
2017	75.0
2018	95.9
2019	98.3

(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

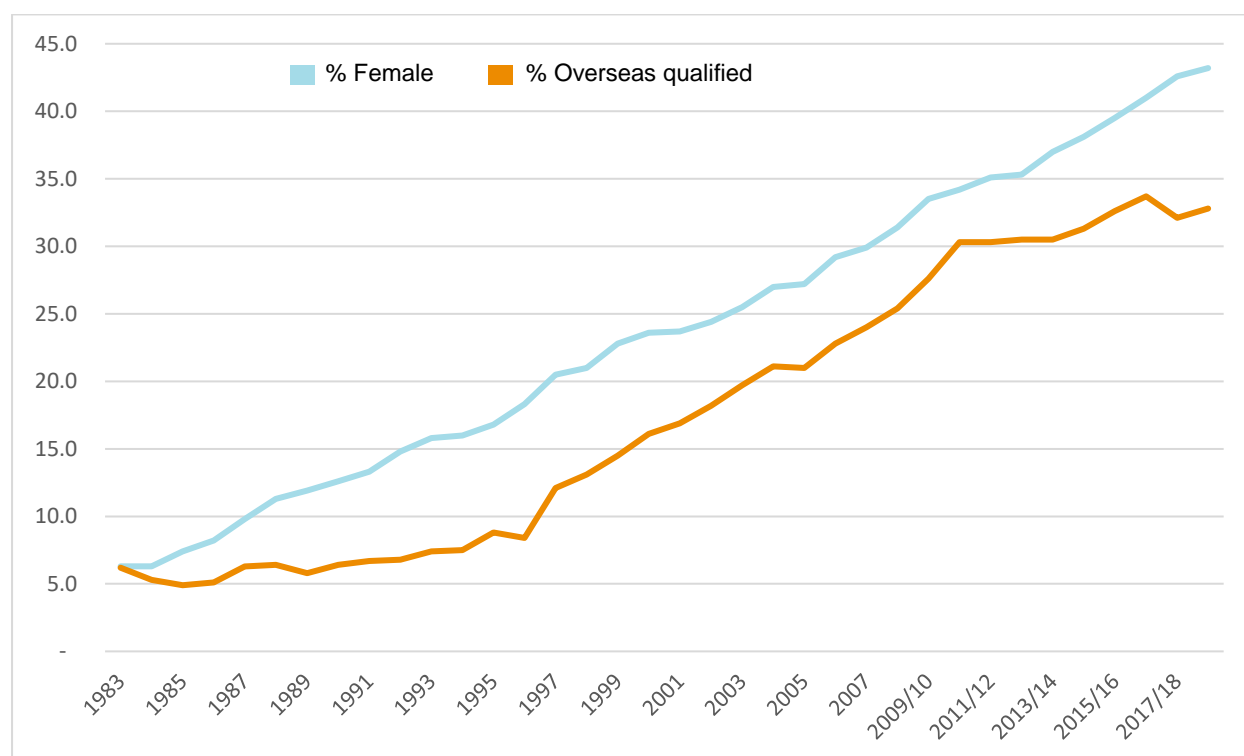
Report year	Total	Male (%)	Female (%)	% overseas graduates
1985	1,176	92.6	7.4	4.9
1986	1,204	91.8	8.2	5.1
1987	1,219	90.2	9.8	6.3
1988	1,233	88.7	11.3	6.4
1989	1,215	88.1	11.9	5.8
1990	1,226	87.4	12.6	6.4
1991	1,262	86.7	13.3	6.7
1992	1,287	85.2	14.8	6.8
1993	1,306	84.2	15.8	7.4
1994	1,312	84.0	16.0	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 <sup>a</sup>	1,867	68.6	31.4	25.4
2009 <sup>b</sup>	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
2015/16	2,432	60.5	39.5	32.6
2016/17	2,596	59.0	41.0	33.7
2017/18	2,436	57.4	42.6	32.0 <sup>c</sup>
2018/19	2,465	56.8	43.2	32.6 <sup>c</sup>

<sup>a</sup> Reporting date 31 March (previously 31<sup>st</sup> December)

<sup>b</sup> Reporting date changed to 30 September for 2009 onwards

<sup>c</sup> Multiple qualifications per practitioner could apply  
(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 2019



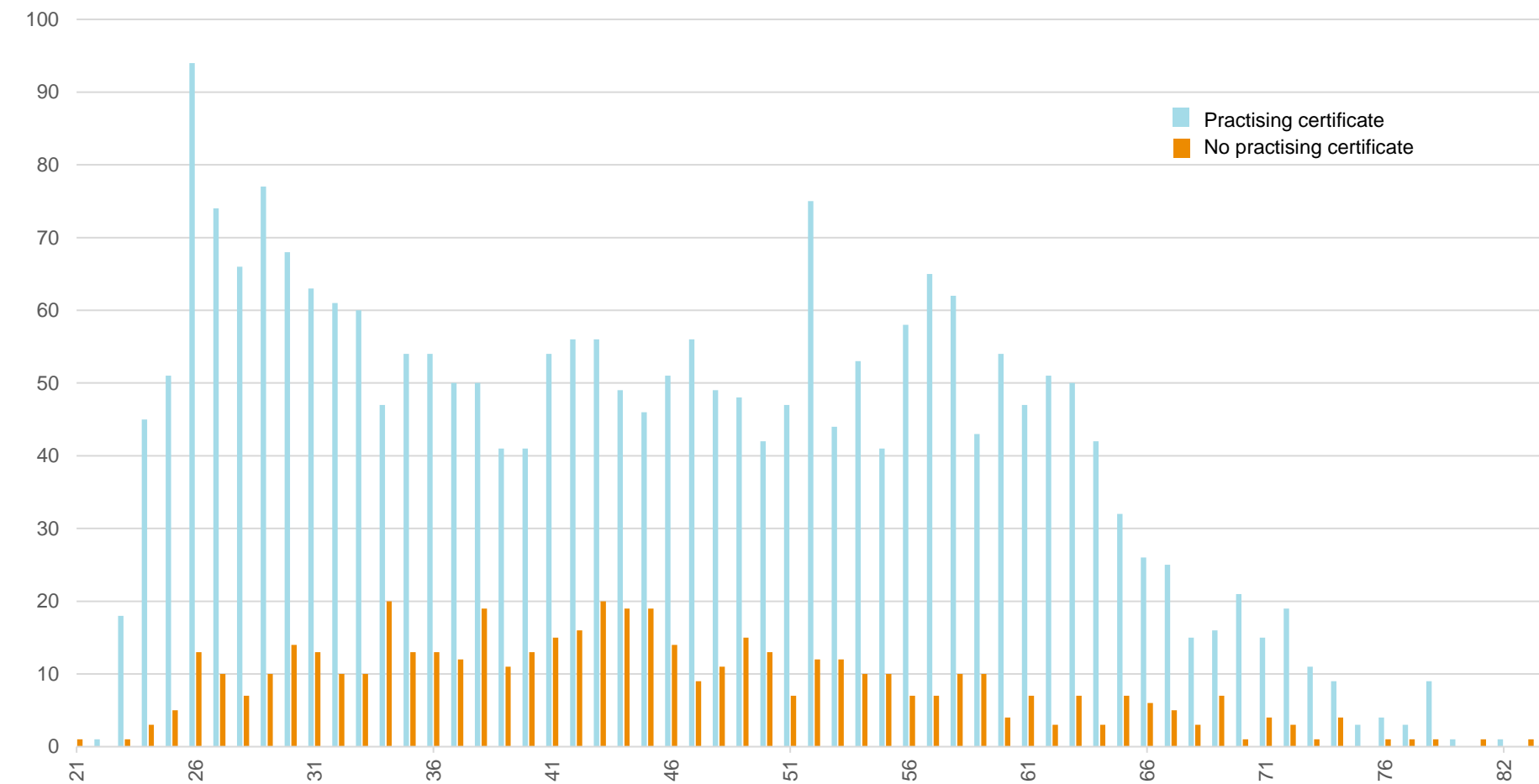
(Data source: Dental register)

Table 1-4. Age of dentists and dental specialists by practising certificate status, as at 30 September 2019

Age bands	Practising certificate (%)	No practising certificate (%)
15 - 24	64 (2.6)	5 (1.0)
25 - 29	362 (14.7)	45 (8.9)
30 - 34	299 (12.1)	67 (13.3)
35 - 39	249 (10.1)	68 (13.5)
40 - 44	256 (10.4)	83 (16.5)
45 - 49	250 (10.1)	68 (13.5)
50 - 54	261 (10.6)	54 (10.7)
55 - 59	269 (10.9)	44 (8.7)
60 - 64	244 (9.9)	24 (4.8)
65 - 69	114 (4.6)	28 (5.6)
70 - 74	75 (3.0)	13 (2.6)
75+	22 (0.9)	5 (1.0)
<b>Total</b>	<b>2,465</b>	<b>504</b>

(Data source: Dental register)

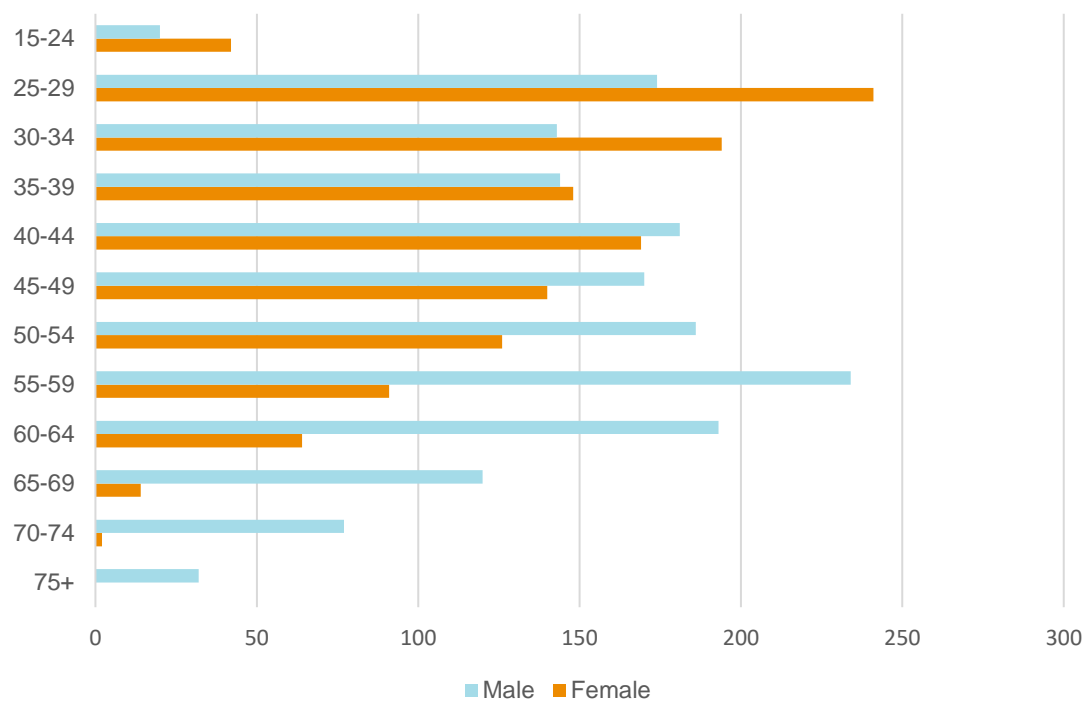
Figure 1-6. Age of dentists and dental specialists by practising certificate status, as at 30 September 2019



(Data source: Dental register)



Figure 1-7. Age of registered dentists and dental specialists by gender, as at 30 September 2019



(Data source: Dental register)

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

	Gender	Practising certificate (%)	No practising certificate (%)	Total (%)
2018	Male	1,398 (57.4)	276 (58.8)	1,674 (57.6)
	Female	1,038 (42.6)	193 (41.2)	1,231 (42.4)
	Total (row %)	<b>2,436 (83.9)</b>	<b>469 (16.1)</b>	<b>2,905</b>
2019	Male	1,400 (56.8)	279 (55.4)	1,679 (56.6)
	Female	1,065 (43.2)	225 (44.6)	1,290 (43.4)
	Total (row %)	<b>2,465 (83.0)</b>	<b>504 (17.0)</b>	<b>2,969</b>

(Data source: Dental register)

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

		Total	Male (row %)	Female (row %)
2018	Dentists	2,522	1,414 (56.1)	1,108 (43.9)
	Dental specialists	383	260 (67.9)	123 (32.1)
	Total	2,905	1,674 (57.6)	1,231 (42.4)
	Specialty <sup>a</sup>			
	Endodontics	38	26 (68.4)	12 (31.6)
	Oral & Maxillofacial Surgery	50	48 (96.0)	2 (4.0)
	Oral Medicine	7	5 (71.4)	2 (28.6)
	Oral Pathology	10	5 (50.0)	5 (50.0)
	Oral Surgery	10	9 (90.0)	1 (10.0)
	Orthodontics	124	79 (63.7)	45 (36.3)
	Paediatric Dentistry	27	11 (40.7)	16 (59.3)
	Periodontology	39	25 (64.1)	14 (35.9)
	Prosthodontics	34	29 (85.3)	5 (14.7)
	Public Health Dentistry	24	10 (41.7)	14 (58.3)
	Restorative Dentistry	9	8 (88.9)	1 (11.1)
Special Needs Dentistry	12	6 (50.0)	6 (50.0)	
2019	Dentists	2,576	1,417 (55.0)	1,159 (45.0)
	Dental specialists	393	262 (66.7)	131 (33.3)
	Total	2,969	1,679 (56.6)	1,290 (43.4)
	Specialty <sup>a</sup>			
	Endodontics	37	25 (67.6)	12 (32.4)
	Oral & Maxillofacial Surgery	51	49 (96.1)	2 (3.9)
	Oral Medicine	6	4 (66.7)	2 (33.3)
	Oral Pathology	10	5 (50.0)	5 (50.0)

Oral Surgery	11	10 (90.9)	1 (9.1)
Orthodontics	131	81 (61.8)	50 (38.2)
Paediatric Dentistry	29	12 (41.4)	17 (58.6)
Periodontology	39	25 (64.1)	14 (35.9)
Prosthodontics	37	30 (81.1)	7 (18.9)
Public Health Dentistry	24	10 (41.7)	14 (58.3)
Restorative Dentistry	8	7 (87.5)	1 (12.5)
Special Needs Dentistry	12	6 (50.0)	6 (50.0)

<sup>a</sup> Registrations in multiple specialist scopes of practice occur  
(Data source: Dental register)

Table 1-7. Self-identification of ethnicity by practising dentists and dental specialists, based on 2019 data

Māori	89 (3.6) <sup>a</sup>	African	7 (0.3)	Colombian	2 (0.1)
New Zealand European	1,125 (45.6)	Afrikaner	7 (0.3)	Croatian	2 (0.1)
Chinese	319 (12.9)	German	7 (0.3)	Danish	2 (0.1)
Indian	275 (11.2)	Singaporean Chinese	7 (0.3)	Jordanian	2 (0.1)
British	154 (6.2)	Canadian	6 (0.2)	Lithuanian	2 (0.1)
Korean	82 (3.3)	Fijian Indian	6 (0.2)	Macedonian	2 (0.1)
Malaysian Chinese	81 (3.3)	Latin American	6 (0.2)	Niuean	2 (0.1)
New Zealander	71 (2.9)	Pakistani	6 (0.2)	Palestinian	2 (0.1)
South African	71 (2.9)	South African Indian	6 (0.2)	Swedish	2 (0.1)
Iraqi	62 (2.5)	Arab	5 (0.2)	Vietnamese	2 (0.1)
Other Ethnicity	40 (1.6)	Romanian	5 (0.2)	Welsh	2 (0.1)
Taiwanese	40 (1.6)	Argentinian	4 (0.2)	Afghani	1 (0.0)
Asian	32 (1.3)	Greek	4 (0.2)	African American	1 (0.0)
Sri Lankan	32 (1.3)	Indonesian	4 (0.2)	Albanian	1 (0.0)
European	30 (1.2)	Iranian/Persian	4 (0.2)	Belgian	1 (0.0)
American	22 (0.9)	Italian	4 (0.2)	Cambodian	1 (0.0)
Australian	18 (0.7)	Serbian	4 (0.2)	Cook Island	1 (0.0)
Irish	15 (0.6)	Sinhalese	4 (0.2)	Czech	1 (0.0)
Malay	15 (0.6)	Thai	4 (0.2)	Kurd	1 (0.0)
English	12 (0.5)	French	3 (0.1)	Mexican	1 (0.0)
Scottish	12 (0.5)	Hong Kong Chinese	3 (0.1)	Nepalese	1 (0.0)
Brazilian	11 (0.4)	Hungarian	3 (0.1)	Pacific Peoples	1 (0.0)
Middle Eastern	11 (0.4)	Israeli/Jewish	3 (0.1)	Sri Lankan Tamil	1 (0.0)
Russian	11 (0.4)	Japanese	3 (0.1)	Sudanese	1 (0.0)
Egyptian	10 (0.4)	Polish	3 (0.1)	Swiss	1 (0.0)
Fijian	10 (0.4)	Portuguese	3 (0.1)	Syrian	1 (0.0)
Filipino	10 (0.4)	Tongan	3 (0.1)	Tahitian	1 (0.0)
Samoan	10 (0.4)	Ukrainian	3 (0.1)	Turkish	1 (0.0)
South African European	10 (0.4)	Bangladeshi	2 (0.1)	Zambian	1 (0.0)
Southeast Asian	10 (0.4)	Bengali	2 (0.1)	Prefer not to answer	9 (0.4)
Dutch	9 (0.4)	Bulgarian	2 (0.1)	Not Stated	171 (6.9)
Malaysian Indian	8 (0.3)	Chilean	2 (0.1)	<b>TOTAL<sup>b</sup></b>	<b>3,062</b>

<sup>a</sup> Denominator used for percentage values is total practising dentists and dental specialists

<sup>b</sup> Total is greater than number of practising dentists and dental specialists due to self-identification of multiple ethnicities  
(Data sources: Dental register & workforce survey)

Table 1-8. Country of registration qualification for practising dentists and dental specialists, for 2018

Country of qualification <sup>a</sup>	Dental specialist qualifications (%)	Dentist qualifications (%)	Total (%)
New Zealand	212 (56.8)	1,701 (69.5)	1,913 (67.9)
Overseas	157 (42.1)	745 (30.5)	902 (32.0)
Undefined <sup>c</sup>	4 (1.1)	—	4 (0.1)
<b>Total</b>	<b>373 (13.2)</b>	<b>2,446 (86.8)</b>	<b>2,819</b>
Breakdown of overseas qualifications			
	(Column %) <sup>b</sup>	(Column %)	(Column %)
Argentina	—	6 (0.2)	6 (0.2)
Australia	42 (11.3)	80 (3.3)	122 (4.3)
Bangladesh	—	3 (0.1)	3 (0.1)
Belgium	—	1 (0.0)	1 (0.0)
Brazil	1 (0.3)	9 (0.4)	10 (0.4)
Bulgaria	—	2 (0.1)	2 (0.1)
Canada	1 (0.3)	10 (0.4)	11 (0.4)
Chile	—	2 (0.1)	2 (0.1)
China	1 (0.3)	6 (0.2)	7 (0.2)
Colombia	—	4 (0.2)	4 (0.1)
Czech Republic	—	3 (0.1)	3 (0.1)
Egypt	—	3 (0.1)	3 (0.1)
Fiji	—	9 (0.4)	9 (0.3)
Finland	—	1 (0.0)	1 (0.0)
Former Yugoslav Republic of Macedonia	—	1 (0.0)	1 (0.0)
France	—	2 (0.1)	2 (0.1)
Germany	4 (1.1)	5 (0.2)	9 (0.3)
Greece	3 (0.8)	—	3 (0.1)
Hong Kong	2 (0.5)	2 (0.1)	4 (0.1)
India	3 (0.8)	149 (6.1)	152 (5.4)
Iran	—	1 (0.0)	1 (0.0)
Iraq	—	48 (2.0)	48 (1.7)
Ireland	8 (2.1)	4 (0.2)	12 (0.4)
Israel	—	2 (0.1)	2 (0.1)
Italy	1 (0.3)	—	1 (0.0)
Japan	—	1 (0.0)	1 (0.0)
Jordan	—	1 (0.0)	1 (0.0)
Korea	—	3 (0.1)	3 (0.1)
Latvia	—	1 (0.0)	1 (0.0)
Malaysia	—	3 (0.1)	3 (0.1)
Netherlands	1 (0.3)	4 (0.2)	5 (0.2)
Pakistan	—	3 (0.1)	3 (0.1)

Country of qualification <sup>a</sup>	Dental specialist qualifications (%)	Dentist qualifications (%)	Total (%)
Philippines	—	9 (0.4)	9 (0.3)
Poland	—	4 (0.2)	4 (0.1)
Romania	—	7 (0.3)	7 (0.2)
Russia	—	10 (0.4)	10 (0.4)
Serbia	—	4 (0.2)	4 (0.1)
Singapore	1 (0.3)	9 (0.4)	10 (0.4)
South Africa	12 (3.2)	79 (3.2)	91 (3.2)
Sri Lanka	—	8 (0.3)	8 (0.3)
Sweden	1 (0.3)	3 (0.1)	4 (0.1)
Syria	—	1 (0.0)	1 (0.0)
Taiwan	—	3 (0.1)	3 (0.1)
Thailand	—	2 (0.1)	2 (0.1)
Turkey	—	1 (0.0)	1 (0.0)
Ukraine	—	2 (0.1)	2 (0.1)
United Kingdom	48 (12.9)	196 (8.0)	244 (8.7)
USA	28 (7.5)	34 (1.4)	62 (2.2)
Venezuela	—	1 (0.0)	1 (0.0)
Yugoslavia	—	3 (0.1)	3 (0.1)

<sup>a</sup> Multiple qualifications per registrant, per scope of practice, and from the same country can apply

<sup>b</sup> Percentages calculated from totals inclusive of New Zealand qualifications

<sup>c</sup> Where no specific country is specified against a qualification (for example where the prescribed qualification requires registration in a specific jurisdiction, or approved experienced formed part of the prescribed qualification equivalency assessment)

(Data source: Dental register)

Table 1-9. Country of registration qualification for practising dentists and dental specialists, for 2019

Country of qualification <sup>a</sup>	Dental specialist qualifications (%)	Dentist qualifications (%)	Total (%)
New Zealand	199 (56.1)	1,723 (68.9)	1,922 (67.3)
Overseas	153 (43.1)	779 (31.1)	932 (32.6)
Undefined <sup>c</sup>	3 (0.9)	—	3 (0.1)
<b>Total</b>	<b>355 (12.4)</b>	<b>2,502 (87.6)</b>	<b>2,857</b>
Breakdown of overseas qualifications			
	(Column %) <sup>b</sup>	(Column %)	(Column %)
Argentina	—	6 (0.2)	6 (0.2)
Australia	42 (11.8)	99 (4.0)	141 (4.9)
Bangladesh	—	3 (0.1)	3 (0.1)
Belgium	—	1 (0.0)	1 (0.0)
Brazil	1 (0.3)	11 (0.4)	12 (0.4)
Bulgaria	—	2 (0.1)	2 (0.1)
Canada	1 (0.3)	9 (0.4)	10 (0.4)
Chile	—	2 (0.1)	2 (0.1)
China	1 (0.3)	5 (0.2)	6 (0.2)
Colombia	—	3 (0.1)	3 (0.1)
Czech Republic	—	3 (0.1)	3 (0.1)
Egypt	—	3 (0.1)	3 (0.1)
Fiji	—	8 (0.3)	8 (0.3)
Former Yugoslav Republic of Macedonia	—	1 (0.0)	1 (0.0)
France	—	2 (0.1)	2 (0.1)
Germany	4 (1.1)	6 (0.2)	10 (0.4)
Greece	2 (0.6)	1 (0.0)	3 (0.1)
Hong Kong	3 (0.8)	2 (0.1)	5 (0.2)
Hungary	—	1 (0.0)	1 (0.0)
India	2 (0.6)	160 (6.4)	162 (5.7)
Iran	—	1 (0.0)	1 (0.0)
Iraq	—	47 (1.9)	47 (1.6)
Ireland	8 (2.3)	5 (0.2)	13 (0.5)
Israel	—	2 (0.1)	2 (0.1)
Italy	1 (0.3)	—	1 (0.0)
Japan	—	1 (0.0)	1 (0.0)
Jordan	—	1 (0.0)	1 (0.0)
Korea	—	4 (0.2)	4 (0.1)
Malaysia	—	3 (0.1)	3 (0.1)
Netherlands	1 (0.3)	4 (0.2)	5 (0.2)
Pakistan	—	3 (0.1)	3 (0.1)
Philippines	—	9 (0.4)	9 (0.3)



Country of qualification <sup>a</sup>	Dental specialist qualifications (%)	Dentist qualifications (%)	Total (%)
Poland	—	4 (0.2)	4 (0.1)
Romania	—	7 (0.3)	7 (0.2)
Russia	—	10 (0.4)	10 (0.4)
Serbia	—	4 (0.2)	4 (0.1)
Singapore	1 (0.3)	6 (0.2)	7 (0.2)
South Africa	12 (3.4)	82 (3.3)	94 (3.3)
Sri Lanka	—	6 (0.2)	6 (0.2)
Sweden	1 (0.3)	2 (0.1)	3 (0.1)
Switzerland	1 (0.3)	—	1 (0.0)
Syria	—	2 (0.1)	2 (0.1)
Taiwan	—	1 (0.0)	1 (0.0)
Thailand	—	2 (0.1)	2 (0.1)
Turkey	—	1 (0.0)	1 (0.0)
Ukraine	—	2 (0.1)	2 (0.1)
United Kingdom	46 (13.0)	198 (7.9)	244 (8.5)
USA	26 (7.3)	40 (1.6)	66 (2.3)
Venezuela	—	1 (0.0)	1 (0.0)
Yugoslavia	—	3 (0.1)	3 (0.1)

<sup>a</sup> Multiple qualifications per registrant, per scope of practice, and from the same country can apply

<sup>b</sup> Percentages calculated from totals inclusive of New Zealand qualifications

<sup>c</sup> Where no specific country is specified against a qualification (for example where the prescribed qualification requires registration in a specific jurisdiction, or approved experienced formed part of the prescribed qualification equivalency assessment)

(Data source: Dental register)

Table 1-10. Cohort remainder rate for University of Otago dental graduates, as at 30 September 2019

Graduation cohort	Total number of domestic dental graduates <sup>a</sup>	Number of dental graduates with practising certificates <sup>b</sup>	Cohort remainder rate
1956-1960	176	1	0.6
1961-1965	188	5	2.7
1966-1970	239	36	15.1
1971-1975	212	53	25.0
1976-1980	272	140	51.5
1981-1985	269	168	62.5
1986-1990	224	141	62.9
1991-1995	247	154	62.3
1996	54	29	53.7
1997	52	23	44.2
1998	55	27	49.1
1999	58	27	46.6
2000	60	32	53.3
2001	60	25	41.7
2002	59	15	25.4
2003	56	25	44.6
2004	56	23	41.1
2005	60	28	46.7
2006	62	24	38.7
2007	61	23	37.7
2008	57	35	61.4
2009	55	37	67.3
2010	60	37	61.7
2011	58	38	65.5
2012	54	54	100.0
2013	52	60	115.4
2014	50	58	116.0
2015	50	64	128.0
2016	58	67	115.5
2017	53	66	124.5
2018	61	71	116.4

<sup>a</sup> For the purpose of this analysis a domestic dental graduates is defined as a dental student not externally funded

<sup>b</sup> There are internationally-funded students who register in New Zealand—resulting in the number of registrants exceeding the domestic graduates

(Data sources: Dental register and Faculty of Dentistry)

Table 1-11. Longitudinal analysis of the cohort remainder rate of University of Otago dental graduates

	Year of graduation											
	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
	Total number of graduates, not externally-funded <sup>a, b</sup>											
	61	53	58	50	50	52	54	58	60	55	57	61
Practising status as at:	Number of Otago dental graduates with practising certificates (cohort remainder rate)											
September 2019	71 (116.4)	66 (124.5)	67 (115.5)	64 (128.0)	58 (116.0)	60 (115.4)	54 (100.0)	38 (65.5)	37 (61.7)	37 (67.3)	35 (61.4)	23 (37.7)
September 2018		72 (135.8)	76 (131.0)	71 (142.0)	68 (136.0)	64 (123.1)	63 (116.7)	49 (84.5)	44 (73.3)	46 (83.6)	39 (68.4)	32 (52.5)
September 2017			78 (134.5)	71 (142.0)	64 (128.0)	62 (119.2)	58 (107.4)	47 (81.0)	37 (61.7)	44 (80.0)	28 (49.1)	25 (41.0)
September 2016				73 (146.0)	64 (128.0)	63 (121.2)	59 (109.3)	46 (79.3)	38 (63.3)	41 (74.5)	32 (56.1)	24 (39.3)
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)
September 2014						65 (125.0)	61 (113.0)	46 (79.3)	39 (65.0)	37 (67.3)	30 (52.6)	21 (34.4)
September 2013							62 (114.8)	48 (82.8)	41 (68.3)	38 (69.1)	31 (54.4)	23 (37.7)
September 2012								60 (103.4)	48 (80.0)	39 (70.9)	30 (52.6)	26 (42.6)
September 2011									57 (95.0)	46 (83.6)	34 (59.6)	27 (44.3)
March 2010										45 (81.8)	45 (78.9)	38 (62.3)
March 2009											(56.1)	(72.1)

<sup>a</sup> For the purpose of this analysis a domestic student is defined as a student not externally funded

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

Table 1-12. Overseas qualified dentists with practising certificates—type of New Zealand registration pathway by year, as at 30 September 2019

Year of first registration in New Zealand	NZDREX (%)	Prescribed overseas qualifications (%)	Overseas qualifications equivalency assessed (%)	Trans-Tasman Mutual Recognition (%)
1971 - 1975	—	1 (0.3)	—	—
1976 - 1980	—	1 (0.3)	—	—
1981 - 1985	—	2 (0.6)	—	—
1986-1990	—	12 (3.6)	1 (2.9)	—
1991-1995	11 (3.8)	14 (4.2)	—	—
1996	2 (0.7)	2 (0.6)	—	—
1997	13 (4.5)	5 (1.5)	—	—
1998	14 (4.9)	4 (1.2)	—	—
1999	12 (4.2)	1 (0.3)	—	—
2000	20 (7.0)	4 (1.2)	—	—
2001	11 (3.8)	3 (0.9)	—	—
2002	14 (4.9)	6 (1.8)	—	—
2003	11 (3.8)	12 (3.6)	—	1 (1.1)
2004	11 (3.8)	13 (3.9)	—	1 (1.1)
2005	15 (5.2)	17 (5.1)	—	2 (2.2)
2006	18 (6.3)	16 (4.8)	1 (2.9)	2 (2.2)
2007	21 (7.3)	7 (2.1)	1 (2.9)	2 (2.2)
2008	11 (3.8)	12 (3.6)	—	1 (1.1)
2009	16 (5.6)	12 (3.6)	—	2 (2.2)
2010	18 (6.3)	11 (3.3)	—	1 (1.1)
2011	13 (4.5)	8 (2.4)	—	2 (2.2)
2012	16 (5.6)	9 (2.7)	—	5 (5.5)
2013	14 (4.9)	12 (3.6)	—	4 (4.4)
2014	8 (2.8)	11 (3.3)	—	6 (6.6)
2015	8 (2.8)	16 (4.8)	2 (5.9)	7 (7.7)
2016	7 (2.4)	22 (6.6)	6 (17.6)	11 (12.1)
2017	1 (0.3)	31 (9.3)	8 (23.5)	15 (16.5)
2018	1 (0.3)	46 (13.9)	6 (17.6)	12 (13.2)
2019	1 (0.3)	22 (6.6)	9 (26.5)	17 (18.7)
<b>Total</b>	<b>287</b>	<b>332</b>	<b>34</b>	<b>91</b>

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

Table 1-13. Overseas qualified dental specialists with practising certificates—type of New Zealand registration pathway by year, as at 30 September 2019

Year of first registration in New Zealand	Prescribed overseas qualifications (%)	Overseas qualifications equivalency assessed (%)	Trans-Tasman Mutual Recognition (%)	NZSDREX (%)
1986-1990	3 (9.4)	18 (25.4)	—	—
1991-1995	3 (9.4)	4 (5.6)	—	—
1996	—	1 (1.4)	—	—
1997	—	2 (2.8)	—	—
1998	1 (3.1)	3 (4.2)	—	—
1999	3 (9.4)	1 (1.4)	2 (11.1)	—
2000	3 (9.4)	2 (2.8)	—	—
2001	—	3 (4.2)	—	—
2002	—	4 (5.6)	—	—
2003	—	3 (4.2)	—	—
2004	2 (6.3)	3 (4.2)	—	—
2005	1 (3.1)	3 (4.2)	—	1 (33.3)
2006	1 (3.1)	—	1 (5.6)	1 (33.3)
2007	1 (3.1)	1 (1.4)	2 (11.1)	—
2008	—	1 (1.4)	—	—
2009	—	3 (4.2)	1 (5.6)	—
2010	—	3 (4.2)	1 (5.6)	—
2011	3 (9.4)	1 (1.4)	1 (5.6)	1 (33.3)
2012	—	1 (1.4)	1 (5.6)	—
2013	2 (6.3)	1 (1.4)	1 (5.6)	—
2014	2 (6.3)	4 (5.6)	2 (11.1)	—
2015	2 (6.3)	—	—	—
2016	—	1 (1.4)	—	—
2017	2 (6.3)	2 (2.8)	2 (11.1)	—
2018	1 (3.1)	4 (5.6)	3 (16.7)	—
2019	2 (6.3)	2 (2.8)	1 (5.6)	—
<b>Total</b>	<b>32</b>	<b>71</b>	<b>18</b>	<b>3</b>

(Data source: Dental register)

Table 1-14. Type of primary employment of practising dentists and dental specialists

		Number (%)	Total %
2018	Self-employed		
	Solo practice	347 (28.3)	14.2
	Group practice	878 (71.7)	36.0
	Subtotal	1,225	50.3
	Employees		
	Private practice	321 (53.3)	13.2
	DHB	193 (32.1)	7.9
	University	67 (11.1)	2.8
	Other government department, not MOH	12 (2.0)	0.5
	Iwi	8 (1.3)	0.3
	MOH	1 (0.2)	0.0
	Subtotal	602	24.7
	Other forms of employment	31	1.3
2019	Practising overseas	126	5.2
	No reply to question	452	18.6
	<b>Total</b>	<b>2,436</b>	
	Self-employed		
	Solo practice	382 (25.1)	15.5
	Group practice	1,138 (74.9)	46.2
	Subtotal	1,520	61.7
	Employees		
	Private practice	237 (50.0)	9.6
	DHB	137 (28.9)	5.6
	University	74 (15.6)	3.0
	Other government department, not MOH	14 (3.0)	0.6
	Iwi	11 (2.3)	0.4
	MOH	1 (0.2)	0.0
	Subtotal	474	19.2
	Other forms of employment	34	1.4
	No reply to question	437	17.7
	<b>Total</b>	<b>2,465</b>	

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

Table 1-15. Practising pattern reported by dentists and dental specialists during workforce reporting year

	Employment status	Current APC (%)	No current APC (%)	Overall number
2018	Practising in NZ	2,137 (87.7)	—	2,137 (73.6)
	In NZ but not practising	8 (0.3)	29 (6.2)	37 (1.3)
	Practising overseas	52 (2.1)	302 (64.4)	354 (12.2)
	Overseas and not practising	3 (0.1)	18 (3.8)	21 (0.7)
	Not responded	236 (9.7)	120 (25.6)	356 (12.3)
	<b>Total</b>	<b>2,436</b>	<b>469</b>	<b>2,905</b>
2019	Practising in NZ	2,297 (93.2)	—	2,297 (77.4)
	In NZ but not practising	8 (0.3)	14 (2.8)	22 (0.7)
	Practising overseas	62 (2.5)	358 (71.0)	420 (14.1)
	Overseas and not practising	7 (0.3)	39 (7.7)	46 (1.5)
	Not responded	91 (3.7)	93 (18.5)	184 (6.2)
	<b>Total</b>	<b>2,465</b>	<b>504</b>	<b>2,969</b>

(Data source: Workforce survey)

Table 1-16. Total number of hours worked per week by dentists and dental specialists practising in New Zealand

	Number of hours worked	Total (%)	Dentists (%)	Dental specialists (%)
2018	1 to 10	76 (3.9)	63 (3.7)	13 (5.3)
	11 to 20	212 (10.8)	172 (10.0)	40 (16.3)
	21 to 30	435 (22.1)	398 (23.2)	37 (15.0)
	31 to 40	1,066 (54.3)	961 (55.9)	105 (42.7)
	41 to 50	141 (7.2)	111 (6.5)	30 (12.2)
	51 to 60	29 (1.5)	12 (0.7)	17 (6.9)
	More than 60	5 (0.3)	1 (0.1)	4 (1.6)
	Number giving data on hours	1,964	1,718	246
	Mean no. of hours/week (SD)	32.4 (9.7)	32.2 (9.1)	34.1 (13.4)
	Nil response or excluded	472	397	75
	<b>Total</b>	<b>2,436</b>	<b>2,115</b>	<b>321</b>
2019	1 to 10	159 (7.6)	133 (7.3)	26 (9.6)
	11 to 20	221 (10.6)	161 (8.9)	60 (22.1)
	21 to 30	491 (23.6)	434 (24.0)	57 (21.0)
	31 to 40	1,076 (51.7)	973 (53.7)	103 (37.9)
	41 to 50	118 (5.7)	101 (5.6)	17 (6.3)
	51 to 60	16 (0.8)	9 (0.5)	7 (2.6)
	More than 60	2 (0.1)	—	2 (0.7)
	Number giving data on hours	2,083	1,811	272
	Mean no. of hours/week (SD)	30.5 (10.6)	30.8 (10.3)	28.6 (12.2)
	Nil response or excluded	382	347	35
	<b>Total</b>	<b>2,465</b>	<b>2,158</b>	<b>307</b>

(Data source: Workforce survey)



Table 1-17. Reasons for part-time practice by dentist and dental specialist practising in New Zealand

	Reason for practising part-time	Total (%)
2018	Personal choice	432 (61.7)
	Semi-retired from dentistry	90 (12.9)
	Studying	38 (5.4)
	Doing non-dental work	29 (4.1)
	Seeking dental employment	18 (2.6)
	Health issues	8 (1.1)
	Parental responsibilities, incl maternity	3 (0.4)
	Other	82 (11.7)
	Total working part time (row %)	<b>700</b>
2019	Personal choice	437 (65.1)
	Semi-retired from dentistry	109 (16.2)
	Studying	37 (5.5)
	Doing non-dental work	30 (4.5)
	Seeking dental employment	16 (2.4)
	Health issues	4 (0.6)
	Not enough dental work	1 (0.1)
	Other	37 (5.5)
	Total working part time (row %)	<b>671</b>

(Data sources: Dental register & workforce survey)

Table 1-18. Work by practice and employment type for dentists, by primary employer for 2018

	General dentistry		Teaching <sup>a</sup>		Administration <sup>a</sup>	
	Number <sup>b</sup>	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)
Private practice (self-employed, solo practice)	313	34.2 (8.4)	—	—	—	—
Private practice (self-employed, group practice)	1,094	31.6 (8.7)	—	—	5	27.8 (12.2)
Private practice (employee)	148	31.3 (9.7)	—	—	—	—
DHB	76	35.1 (11.4)	—	—	2	17.0 (9.9)
MOH	1	40.0	—	—	—	—
Other government department, not MOH	12	30.7 (8.3)	—	—	—	—
Iwi organisation	10	34.4 (5.1)	—	—	—	—
University	17	30.1 (9.7)	10	22.7 (11.4)	—	—
Other	15	32.7 (7.1)	—	—	1	4.0
Total number	<b>1,686</b>	<b>32.2 (8.9)</b>	<b>10</b>	<b>22.7 (11.4)</b>	<b>8</b>	<b>22.1 (13.3)</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Dentists reporting working no hours or more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 1-19. Work by practice and employment type for practising dentists, by secondary employer for 2018

	General dentistry		Teaching <sup>a</sup>		Research		Administration <sup>a</sup>	
	Number <sup>b</sup>	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)
Private practice (self-employed, group practice)	2	5.5 (0.7)	2	7.8 (0.4)	—	—	3	4.7 (2.3)
Private practice (employee)	—	—	—	—	—	—	2	10.0 (8.5)
DHB	—	—	1	10.0	—	—	1	20.0
University	—	—	14	8.6 (5.4)	2	4.5 (2.1)	1	7.0
Total number	<b>2</b>	<b>5.5 (0.7)</b>	<b>17</b>	<b>8.6 (4.9)</b>	<b>2</b>	<b>4.5 (2.1)</b>	<b>7</b>	<b>8.7 (6.7)</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Dentists reporting working no hours or more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 1-20. Work by practice and employment type for practising dentists, by primary employer for 2019

	General dentistry		Teaching <sup>a</sup>		Administration <sup>a</sup>	
	Number <sup>b</sup>	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)
Private practice (self-employed, solo practice)	296	33.3 (8.9)	—	—	—	—
Private practice (self-employed, group practice)	1,035	31.2 (8.7)	—	—	2	14.0 (5.7)
Private practice (employee)	220	32.5 (9.1)	—	—	—	—
DHB	85	33.6 (10.4)	—	—	3	21.0 (13.5)
Other government department, not MOH	13	27.5 (8.4)	—	—	—	—
Iwi organisation	10	33.8 (4.3)	—	—	—	—
University	31	23.7 (10.2)	12	21.2 (7.6)	—	—
Other	28	32.2 (8.0)	—	—	3	36.7 (5.8)
<b>Total number</b>	<b>1,718</b>	<b>31.7 (9.0)</b>	<b>12</b>	<b>21.2 (7.6)</b>	<b>8</b>	<b>25.1 (12.9)</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Dentists reporting working no hours or more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 1-21. Work by practice and employment type for practising dentists, by secondary employer for 2019

	General dentistry		Teaching <sup>a</sup>		Research		Administration <sup>a</sup>	
	Number <sup>b</sup>	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)	Mean hours spent at work type (SD)	Mean hours spent at work type (SD)	Number	Mean hours spent at work type (SD)
Private practice (self-employed, solo practice)	—	—	—	—	1	5.0	15	5.0 (2.5)
Private practice (self-employed, group practice)	4	4.5 (3.1)	1	1.0	2	5.5 (6.4)	59	4.9 (3.7)
Private practice (employee)	3	6.0 (2.0)	—	—	1	10.0	11	3.5 (2.7)
DHB	—	—	—	—	—	—	7	4.9 (3.2)
Other government department	—	—	—	—	1	10.0	4	3.5 (1.3)
University	—	—	4	11.5 (5.3)	1	3.0	5	6.2 (5.5)
Other	—	—	—	—	—	—	2	11.0 (7.1)
Total number	<b>7</b>	<b>5.1 (2.6)</b>	<b>5</b>	<b>9.4 (6.5)</b>	<b>6</b>	<b>6.5 (4.0)</b>	<b>103</b>	<b>4.9 (3.6)</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Dentists reporting working no hours or more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 1-22. Work by practice and employment type for practising dental specialists, by primary employer for 2018

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No. <sup>a</sup>	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	5	20.6 (11.9)	4	37.5 (5.0)	7	25.3 (10.0)	1	60.0
Dental Public Health	11	26.3 (9.3)	—	—	—	—	—	—
Endodontics	—	—	11	36.3 (6.6)	4	30.3 (11.0)	2	19.0 (1.4)
Oral Medicine	1	19.0	—	—	1	50.0	1	20.0
Oral and Maxillofacial Surgery	8	41.0 (16.5)	11	42.8 (16.5)	12	47.6 (9.5)	1	44.0
Oral Surgery	—	—	2	37.5 (3.5)	4	43.8 (4.8)	—	—
Orthodontics	1	32.0	39	36.8 (11.0)	35	31.8 (12.6)	2	27.5 (23.3)
Paediatric dentistry	6	37.2 (10.6)	1	7.0	4	30.0 (16.3)	2	23.5 (16.3)
Periodontics	—	—	6	39.5 (8.8)	21	31.7 (13.0)	3	23.7 (7.1)
Prosthodontics	—	—	5	35.4 (10.7)	6	35.0 (5.0)	—	—
Restorative dentistry	1	40.0	1	20.0	1	30.0	—	—
Special needs dentistry	4	38.0 (4.0)	—	—	—	—	1	40.0
Administration/Management	1	16.0	—	—	—	—	2	27.5 (10.6)
Research	—	—	—	—	—	—	3	17.0 (2.6)
Teaching	—	—	—	—	—	—	6	20.2 (9.6)
Other	1	24.0	—	—	—	—	1	30.0
No hours recorded <sup>b</sup>	5		3		6		4	
<b>Total number</b>	<b>44</b>		<b>83</b>		<b>101</b>		<b>29</b>	

<sup>a</sup> Specialists reporting working no hours or more than 80 hours per week, are excluded from the calculations

<sup>b</sup> Employment type specified but no hours recorded

(Data source: Workforce survey)

Table 1-23. Work by practice and employment type for practising dental specialists, by primary employer for 2019

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No <sup>a</sup>	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	10	18.3 (5.7)	4	19.5 (10.6)	4	23.4 (10.1)	1	15.0
Dental Public Health	6	20.0 (8.0)	—	—	—	—	—	—
Endodontics	—	—	9	32.7 (6.1)	8	29.8 (9.7)	1	12.0
Oral Medicine	2	30.0 (7.1)	—	—	1	38.0	—	—
Oral Pathology	—	—	—	—	—	—	2	25.0 (14.1)
Oral and Maxillofacial Surgery	9	37.6 (14.5)	8	42.4 (13.4)	15	38.4 (7.7)	1	25.0
Oral Surgery	—	—	4	35.5 (5.3)	3	45.0 (5.0)	—	—
Orthodontics	1	7.0	45	32.0 (9.6)	45	30.5 (8.1)	1	20.0
Paediatric dentistry	7	25.6 (10.5)	3	19.3 (14.0)	4	28.3 (8.5)	1	12.0
Periodontics	—	—	5	36.4 (11.7)	20	30.0 (7.4)	3	17.0 (7.5)
Prosthodontics	—	—	5	29.6 (10.0)	11	27.9 (7.9)	3	14.7 (2.5)
Restorative dentistry	—	—	1	18.0	2	20.5 (4.9)	—	—
Special needs dentistry	7	23.1 (9.2)	—	—	—	—	1	20.0
Administration/Management	4	20.8 (11.1)	—	—	1	10.0	5	20.4 (10.7)
Research	—	—	—	—	—	—	—	—
Teaching	1	15.0	—	—	—	—	7	15.7 (4.4)
Other	—	—	—	—	—	—	1	40.0
No hours recorded <sup>b</sup>	1		3		2		1	
<b>Total number</b>	<b>48</b>		<b>87</b>		<b>116</b>		<b>28</b>	

<sup>a</sup> Specialists reporting working no hours or more than 80 hours per week, are excluded from the calculations

<sup>b</sup> Employment type specified but no hours recorded  
(Data source: Workforce survey)

Table 1-24. Work by practice and employment type for practising dental specialists, by secondary employer for 2018

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No <sup>a</sup>	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	2	6.0 (5.7)	—	—	1	5.0	—	—
Dental Public Health	—	—	—	—	—	—	—	—
Endodontics	—	—	—	—	—	—	—	—
Oral and Maxillofacial Surgery	—	—	—	—	—	—	—	—
Oral Medicine and Pathology	—	—	1	19.0	—	—	1	19.0
Oral Surgery	—	—	—	—	—	—	—	—
Orthodontics	—	—	—	—	—	—	—	—
Paediatric dentistry	—	—	—	—	—	—	—	—
Periodontics	—	—	—	—	—	—	1	25.0
Prosthodontics	—	—	—	—	1	10.0	—	—
Restorative dentistry	—	—	—	—	—	—	—	—
Special needs dentistry	1	8.0	—	—	—	—	—	—
Administration/Management	2	4.0 (2.8)	—	—	1	10.0	—	—
Research	1	8.0	—	—	1	10.0	—	—
Teaching	—	—	1	8.0	—	—	—	—
Other	—	—	—	—	—	—	5	9.6 (5.7)
<b>Total number</b>	<b>6</b>	<b>6.0 (3.3)</b>	<b>2</b>	<b>13.5 (7.8)</b>	<b>4</b>	<b>8.8 (2.5)</b>	<b>7</b>	<b>13.1 (7.8)</b>

<sup>a</sup> Specialists reporting working no hours or more than 80 hours per week, are excluded from the calculations  
(Data source: Workforce survey)



Table 1-25. Work by practice and employment type for practising dental specialists, by secondary employer for 2019

	MoH or DHB		Private (self-employed)		Private (employed)		University	
	No <sup>a</sup>	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)	No.	Mean hrs (sd)
General Dentistry	—	—	—	—	7	11.1 (3.7)	1	10.0
Dental Public Health	—	—	—	—	1	8.0	—	—
Endodontics	—	—	—	—	—	—	—	—
Oral and Maxillofacial Surgery	—	—	—	—	—	—	—	—
Oral Medicine and Pathology	—	—	—	—	—	—	—	—
Oral Surgery	—	—	—	—	—	—	—	—
Orthodontics	—	—	—	—	—	—	—	—
Paediatric dentistry	—	—	—	—	—	—	—	—
Periodontics	—	—	—	—	—	—	—	—
Prosthodontics	—	—	1	10.0	—	—	—	—
Restorative dentistry	—	—	—	—	—	—	—	—
Special needs dentistry	1	15.0	—	—	—	—	—	—
Administration/Management	17	6.0 (3.6)	5	4.2 (2.4)	22	8.2 (5.0)	6	3.2 (1.3)
Research	—	—	—	—	1	5.0	—	—
Teaching	1	5.0	—	—	—	—	4	8.0 (5.0)
Other	—	—	—	—	—	—	—	—
<b>Total number</b>	<b>19</b>	<b>6.4 (4.0)</b>	<b>6</b>	<b>5.2 (3.2)</b>	<b>31</b>	<b>8.7 (4.7)</b>	<b>11</b>	<b>5.5 (4.0)</b>

<sup>a</sup> Specialists reporting not working any hours and those who reported more than 80 hours per week, are excluded from the calculations  
(Data source: Workforce survey)

Table 1-26. Geographic distribution of practising dentists and dental specialists by Territorial Authority (TA), for 2018

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Far North	19 (0.9)	—	19 (0.8)	13.3 [16]
Whangarei	39 (1.8)	9 (2.8)	48 (2.0)	31.5 [41]
Kaipara	—	—	—	—
Auckland unitary authority	712 (33.7)	106 (33.0)	818 (33.6)	570.1 [690]
Thames-Coromandel District	11 (0.5)	—	11 (0.5)	8.7 [11]
Hauraki District	3 (0.1)	—	3 (0.1)	2.2 [3]
Waikato District	7 (0.3)	1 (0.3)	8 (0.3)	3.1 [4]
Matamata-Piako District	13 (0.6)	—	13 (0.5)	9.8 [12]
Hamilton City	98 (4.6)	15 (4.7)	113 (4.6)	77.5 [93]
Waipa District	21 (1.0)	—	21 (0.9)	14.9 [19]
Otorohanga District	6 (0.3)	—	6 (0.2)	3.2 [4]
South Waikato District	5 (0.2)	—	5 (0.2)	1.9 [2]
Waitomo District	1 (0.0)	—	1 (0.0)	1.0 [1]
Taupo District	17 (0.8)	—	17 (0.7)	12.2 [15]
Western Bay of Plenty District	9 (0.4)	—	9 (0.4)	4.0 [5]
Tauranga City	76 (3.6)	8 (2.5)	84 (3.4)	59.2 [75]
Rotorua District	29 (1.4)	1 (0.3)	30 (1.2)	22.6 [25]
Whakatane District	13 (0.6)	—	13 (0.5)	8.5 [10]
Kawerau District	1 (0.0)	—	1 (0.0)	0.8 [1]
Opotiki District	2 (0.1)	—	2 (0.1)	1.4 [2]
Gisborne District	12 (0.6)	1 (0.3)	13 (0.5)	8.4 [10]
Wairoa District	2 (0.1)	—	2 (0.1)	1.8 [2]
Hastings District	27 (1.3)	5 (1.6)	32 (1.3)	23.3 [29]
Napier City	34 (1.6)	4 (1.2)	38 (1.6)	22.7 [29]
Central Hawke's Bay District	3 (0.1)	—	3 (0.1)	2.3 [3]
New Plymouth District	24 (1.1)	6 (1.9)	30 (1.2)	22.3 [25]
Stratford District	2 (0.1)	—	2 (0.1)	1.9 [2]
South Taranaki District	6 (0.3)	—	6 (0.2)	3.7 [6]
Ruapehu District	2 (0.1)	—	2 (0.1)	0.7 [1]
Wanganui District	16 (0.8)	1 (0.3)	17 (0.7)	9.6 [12]
Rangitikei District	1 (0.0)	1 (0.3)	2 (0.1)	2.5 [2]
Manawatu District	7 (0.3)	—	7 (0.3)	5.7 [7]
Palmerston North City	40 (1.9)	7 (2.2)	47 (1.9)	34.2 [42]
Tararua District	3 (0.1)	—	3 (0.1)	2.9 [3]
Horowhenua District	9 (0.4)	—	9 (0.4)	6.4 [7]
Kapiti Coast District	25 (1.2)	—	25 (1.0)	14.8 [18]
Porirua City	11 (0.5)	—	11 (0.5)	6.0 [8]
Upper Hutt City	17 (0.8)	—	17 (0.7)	13.4 [16]

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Lower Hutt City	46 (2.2)	8 (2.5)	54 (2.2)	35.6 [46]
Wellington City	124 (5.9)	23 (7.2)	147 (6.0)	105.3 [128]
Masterton District	14 (0.7)	—	14 (0.6)	10.1 [13]
Carterton District	4 (0.2)	—	4 (0.2)	2.3 [3]
South Wairarapa District	2 (0.1)	—	2 (0.1)	1.5 [2]
Tasman District	20 (0.9)	—	20 (0.8)	15.1 [19]
Nelson City	31 (1.5)	12 (3.7)	43 (1.8)	28.4 [35]
Marlborough District	18 (0.9)	1 (0.3)	19 (0.8)	13.1 [17]
Kaikoura District	1 (0.0)	—	1 (0.0)	0.9 [1]
Buller District	1 (0.0)	—	1 (0.0)	1.0 [1]
Grey District	6 (0.3)	—	6 (0.2)	4.2 [5]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	16 (0.8)	2 (0.6)	18 (0.7)	11.7 [14]
Christchurch City	200 (9.5)	34 (10.6)	234 (9.6)	165.5 [209]
Selwyn District	14 (0.7)	—	14 (0.6)	8.1 [10]
Ashburton District	9 (0.4)	—	9 (0.4)	7.4 [9]
Timaru District	18 (0.9)	1 (0.3)	19 (0.8)	15.6 [18]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	11 (0.5)	1 (0.3)	12 (0.5)	8.2 [12]
Central Otago District	9 (0.4)	1 (0.3)	10 (0.4)	5.0 [7]
Queenstown-Lakes District	19 (0.9)	2 (0.6)	21 (0.9)	13.4 [18]
Dunedin City	116 (5.5)	53 (16.5)	169 (6.9)	103.0 [139]
Clutha District	4 (0.2)	—	4 (0.2)	3.7 [4]
Southland District	4 (0.2)	—	4 (0.2)	2.2 [3]
Gore District	3 (0.1)	—	3 (0.1)	1.8 [2]
Invercargill City	26 (1.2)	6 (1.9)	32 (1.3)	22.9 [27]
Area outside of TA	58 (2.7)	12 (3.7)	70 (2.9)	26.6 [30]
TA code not available	18 (0.9)	—	18 (0.7)	12.1 [14]
<b>Total</b>	<b>2,115</b>	<b>321</b>	<b>2,436</b>	<b>1,652.6 [2,037]</b>

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 1-27. Population to practising dentists and dental specialists and FTE ratios by TA, for 2018

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to- dentist ratio	Dentists per 100,000 population aged 15+	Population aged 15+ years-to-FTE- dentist ratio <sup>b</sup>	FTE per 100,000 population aged 15+ <sup>b</sup>
Far North	67,900	53,400	2,811	35.6	4,030.2	24.8
Whangarei	94,100	74,600	1,554	64.3	2,369.2	42.2
Kaipara	23,700	19,100	—	—	—	—
Auckland	1,654,800	1,330,700	1,627	61.5	2,334.2	42.8
Thames-Coromandel District	30,700	26,100	2,373	42.1	2,991.4	33.4
Hauraki District	20,700	16,900	5,633	17.8	7,595.5	13.2
Waikato District	78,200	60,200	7,525	13.3	19,737.7	5.1
Matamata-Piako District	35,300	28,200	2,169	46.1	2,877.6	34.8
Hamilton City	168,600	133,200	1,179	84.8	1,719.8	58.1
Waipa District	55,000	43,800	2,086	47.9	2,949.5	33.9
Otorohanga District	10,500	8,150	1,358	73.6	2,556.9	39.1
South Waikato District	24,800	19,100	3,820	26.2	10,052.6	9.9
Waitomo District	9,630	7,520	7,520	13.3	7,520.0	13.3
Taupo District	38,600	30,800	1,812	55.2	2,535.0	39.4
Western Bay of Plenty District	53,400	43,600	4,844	20.6	11,038.0	9.1
Tauranga City	142,000	113,800	1,355	73.8	1,922.7	52.0
Rotorua District	74,800	58,400	1,947	51.4	2,579.8	38.8
Whakatane District	37,100	28,900	2,223	45.0	3,410.0	29.3
Kawerau District	7,460	5,700	5,700	17.5	7,125.0	14.0
Opotiki District	9,670	7,530	3,765	26.6	5,378.6	18.6
Gisborne District	49,500	37,900	2,915	34.3	4,525.4	22.1
Wairoa District	8,720	6,700	3,350	29.9	3,828.6	26.1
Hastings District	84,700	66,600	2,081	48.0	2,858.4	35.0
Napier City	64,200	51,700	1,361	73.5	2,281.3	43.8
Central Hawke's Bay District	14,650	11,600	3,867	25.9	5,155.6	19.4
New Plymouth District	83,300	66,500	2,217	45.1	2,988.8	33.5
Stratford District	9,710	7,640	3,820	26.2	3,968.8	25.2
South Taranaki District	28,300	22,000	3,667	27.3	5,906.0	16.9
Ruapehu District	12,750	9,950	4,975	20.1	14,740.7	6.8
Wanganui District	46,800	37,700	2,218	45.1	3,916.9	25.5
Rangitikei District	15,450	12,300	6,150	16.3	4,920.0	20.3
Manawatu District	31,100	24,700	3,529	28.3	4,314.4	23.2
Palmerston North City	88,300	71,100	1,513	66.1	2,078.9	48.1
Taranua District	18,450	14,550	4,850	20.6	5,060.9	19.8
Horowhenua District	34,500	28,200	3,133	31.9	4,389.1	22.8
Kapiti Coast District	55,200	45,700	1,828	54.7	3,087.8	32.4

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to- dentist ratio	Dentists per 100,000 population aged 15+	Population aged 15+ years-to-FTE- dentist ratio <sup>b</sup>	FTE per 100,000 population aged 15+ <sup>b</sup>
Porirua City	58,900	45,200	4,109	24.3	7,580.7	13.2
Upper Hutt City	45,400	36,700	2,159	46.3	2,733.7	36.6
Lower Hutt City	108,600	87,000	1,611	62.1	2,446.8	40.9
Wellington City	211,200	177,900	1,210	82.6	1,690.1	59.2
Masterton District	26,400	21,400	1,529	65.4	2,113.6	47.3
Carterton District	9,510	7,730	1,933	51.7	3,360.9	29.8
South Wairarapa District	10,900	8,950	4,475	22.3	6,067.8	16.5
Tasman District	54,000	44,400	2,220	45.0	2,945.3	34.0
Nelson City	52,700	43,500	1,012	98.9	1,530.3	65.3
Marlborough District	48,700	40,300	2,121	47.1	3,076.3	32.5
Kaikoura District	4,060	3,410	3,410	29.3	3,788.9	26.4
Buller District	9,850	8,240	8,240	12.1	8,240.0	12.1
Grey District	13,750	11,150	1,858	53.8	2,654.8	37.7
Westland District	8,830	7,380	—	—	—	—
Hurunui District	12,950	10,500	—	—	—	—
Waimakariri District	61,300	49,700	2,761	36.2	4,238.8	23.6
Christchurch City	383,800	318,700	1,362	73.4	1,926.3	51.9
Selwyn District	63,300	49,500	3,536	28.3	6,149.1	16.3
Ashburton District	34,600	27,600	3,067	32.6	3,742.4	26.7
Timaru District	47,600	39,200	2,063	48.5	2,508.8	39.9
Mackenzie District	5,100	4,260	—	—	—	—
Waimate District	8,120	6,730	—	—	—	—
Chatham Islands Territory	690	580	—	—	—	—
Waitaki District	22,900	18,700	1,558	64.2	2,277.0	43.9
Central Otago District	22,200	18,500	1,850	54.1	3,737.4	26.8
Queenstown-Lakes District	42,500	35,800	1,705	58.7	2,666.7	37.5
Dunedin City	131,200	110,900	656	152.4	1,076.4	92.9
Clutha District	18,050	14,650	3,663	27.3	3,972.9	25.2
Southland District	31,900	25,300	6,325	15.8	11,767.4	8.5
Gore District	12,800	10,350	3,450	29.0	5,671.2	17.6
Invercargill City	55,900	45,100	1,409	71.0	1,971.6	50.7
Area outside of TA	40	40	—	—	—	—
Missing TA	—	—	—	—	—	—
<b>Total</b>	<b>4,900,340</b>	<b>3,953,910</b>	<b>1,623.1</b>	<b>61.6</b>	<b>2,392.6</b>	<b>41.8</b>

<sup>a</sup> Population estimate as at 30 June 2018

<sup>b</sup> 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 1-28. Geographic distribution of practising dentists and dental specialists by TA, for 2019

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Far North	19 (0.9)	—	19 (0.8)	17.2 [19]
Whangarei	37 (1.7)	9 (2.9)	46 (1.9)	38.1 [46]
Kaipara	—	—	—	—
Auckland unitary authority	687 (31.8)	100 (32.6)	787 (31.9)	648.0 [750]
Thames-Coromandel District	11 (0.5)	—	11 (0.4)	9.1 [11]
Hauraki District	3 (0.1)	—	3 (0.1)	2.4 [3]
Waikato District	7 (0.3)	1 (0.3)	8 (0.3)	6.6 [7]
Matamata-Piako District	13 (0.6)	—	13 (0.5)	10.3 [12]
Hamilton City	95 (4.4)	15 (4.9)	110 (4.5)	89.1 [105]
Waipa District	21 (1.0)	—	21 (0.9)	15.9 [21]
Otorohanga District	6 (0.3)	—	6 (0.2)	3.8 [5]
South Waikato District	5 (0.2)	—	5 (0.2)	3.6 [4]
Waitomo District	1 (0.0)	—	1 (0.0)	1.0 [1]
Taupo District	17 (0.8)	—	17 (0.7)	15.0 [17]
Western Bay of Plenty District	6 (0.3)	—	6 (0.2)	5.2 [6]
Tauranga City	75 (3.5)	8 (2.6)	83 (3.4)	62.9 [75]
Rotorua District	25 (1.2)	1 (0.3)	26 (1.1)	19.5 [22]
Whakatane District	11 (0.5)	—	11 (0.4)	9.2 [11]
Kawerau District	1 (0.0)	—	1 (0.0)	1.0 [1]
Opotiki District	2 (0.1)	—	2 (0.1)	0.4 [1]
Gisborne District	12 (0.6)	1 (0.3)	13 (0.5)	10.1 [13]
Wairoa District	1 (0.0)	—	1 (0.0)	1.6 [1]
Hastings District	27 (1.3)	5 (1.6)	32 (1.3)	28.0 [32]
Napier City	31 (1.4)	4 (1.3)	35 (1.4)	28.5 [33]
Central Hawke's Bay District	3 (0.1)	—	3 (0.1)	2.5 [3]
New Plymouth District	23 (1.1)	6 (2.0)	29 (1.2)	25.6 [27]
Stratford District	2 (0.1)	—	2 (0.1)	2.0 [2]
South Taranaki District	6 (0.3)	—	6 (0.2)	3.6 [6]
Ruapehu District	1 (0.0)	—	1 (0.0)	0.6 [1]
Wanganui District	15 (0.7)	1 (0.3)	16 (0.6)	12.6 [15]
Rangitikei District	1 (0.0)	1 (0.3)	2 (0.1)	1.0 [2]
Manawatu District	7 (0.3)	—	7 (0.3)	6.1 [7]
Palmerston North City	41 (1.9)	6 (2.0)	47 (1.9)	39.2 [45]
Tararua District	3 (0.1)	—	3 (0.1)	2.8 [3]
Horowhenua District	9 (0.4)	—	9 (0.4)	6.7 [8]
Kapiti Coast District	22 (1.0)	—	22 (0.9)	18.3 [21]
Porirua City	9 (0.4)	—	9 (0.4)	7.8 [9]
Upper Hutt City	18 (0.8)	—	18 (0.7)	17.0 [18]
Lower Hutt City	45 (2.1)	8 (2.6)	53 (2.2)	39.2 [50]

TA area	Number of dentists (%)	Number of dental specialists (%)	Total (%)	FTE dentists [N reporting hours]
Wellington City	115 (5.3)	22 (7.2)	137 (5.6)	112.3 [134]
Masterton District	14 (0.6)	—	14 (0.6)	9.4 [12]
Carterton District	3 (0.1)	—	3 (0.1)	2.4 [3]
South Wairarapa District	2 (0.1)	—	2 (0.1)	1.9 [2]
Tasman District	18 (0.8)	—	18 (0.7)	14.6 [18]
Nelson City	31 (1.4)	12 (3.9)	43 (1.7)	33.5 [39]
Marlborough District	18 (0.8)	1 (0.3)	19 (0.8)	15.1 [18]
Kaikoura District	1 (0.0)	—	1 (0.0)	0.8 [1]
Buller District	1 (0.0)	—	1 (0.0)	1.0 [1]
Grey District	6 (0.3)	—	6 (0.2)	5.4 [6]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	13 (0.6)	2 (0.7)	15 (0.6)	10.6 [13]
Christchurch City	197 (9.1)	33 (10.7)	230 (9.3)	178.1 [223]
Selwyn District	13 (0.6)	—	13 (0.5)	11.2 [12]
Ashburton District	9 (0.4)	—	9 (0.4)	7.3 [9]
Timaru District	17 (0.8)	1 (0.3)	18 (0.7)	14.4 [18]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	10 (0.5)	—	10 (0.4)	7.3 [10]
Central Otago District	9 (0.4)	1 (0.3)	10 (0.4)	8.0 [9]
Queenstown-Lakes District	19 (0.9)	2 (0.7)	21 (0.9)	16.0 [20]
Dunedin City	104 (4.8)	50 (16.3)	154 (6.2)	114.0 [147]
Clutha District	4 (0.2)	—	4 (0.2)	2.1 [3]
Southland District	3 (0.1)	—	3 (0.1)	2.4 [3]
Gore District	3 (0.1)	—	3 (0.1)	2.3 [3]
Invercargill City	25 (1.2)	6 (2.0)	31 (1.3)	22.8 [29]
Area outside of TA	52 (2.4)	4 (1.3)	56 (2.3)	40.3 [46]
TA code not available	153 (7.1)	7 (2.3)	160 (6.5)	132.1 [147]
<b>Total</b>	<b>2,158</b>	<b>307</b>	<b>2,465</b>	<b>1,976.5 [2,339]</b>

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 1-29. Population to practising dentists and dental specialists and FTE ratios by TA, for 2019

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to- dentist ratio	Dentists per 100,000 population aged 15+	Population aged 15+ years-to-FTE- dentist ratio <sup>b</sup>	FTE per 100,000 population aged 15+ <sup>b</sup>
Far North	69,300	54,700	2,879	34.7	3,180.2	31.4
Whangarei	96,000	76,300	1,659	60.3	2,005.3	49.9
Kaipara	24,400	19,800	—	—	—	—
Auckland	1,680,500	1,352,400	1,718	58.2	2,087.1	47.9
Thames-Coromandel District	31,300	26,700	2,427	41.2	2,938.1	34.0
Hauraki District	21,000	17,100	5,700	17.5	7,200.0	13.9
Waikato District	80,400	62,100	7,763	12.9	9,426.9	10.6
Matamata-Piako District	35,800	28,700	2,208	45.3	2,786.4	35.9
Hamilton City	172,300	136,200	1,238	80.8	1,528.6	65.4
Waipa District	56,300	44,800	2,133	46.9	2,817.6	35.5
Otorohanga District	10,600	8,250	1,375	72.7	2,156.9	46.4
South Waikato District	25,100	19,400	3,880	25.8	5,426.6	18.4
Waitomo District	9,650	7,550	7,550	13.2	7,550.0	13.2
Taupo District	39,300	31,500	1,853	54.0	2,103.5	47.5
Western Bay of Plenty District	54,800	44,900	7,483	13.4	8,593.3	11.6
Tauranga City	146,200	117,300	1,413	70.8	1,864.9	53.6
Rotorua District	75,800	59,200	2,277	43.9	3,043.7	32.9
Whakatane District	37,600	29,300	2,664	37.5	3,176.2	31.5
Kawerau District	7,600	5,820	5,820	17.2	5,820.0	17.2
Opotiki District	9,850	7,670	3,835	26.1	19,175.0	5.2
Gisborne District	50,100	38,400	2,954	33.9	3,802.0	26.3
Wairoa District	8,810	6,760	6,760	14.8	4,160.0	24.0
Hastings District	86,100	67,900	2,122	47.1	2,425.0	41.2
Napier City	65,200	52,600	1,503	66.5	1,845.6	54.2
Central Hawke's Bay District	14,900	11,800	3,933	25.4	4,767.7	21.0
New Plymouth District	84,600	67,500	2,328	43.0	2,636.7	37.9
Stratford District	9,810	7,710	3,855	25.9	3,855.0	25.9
South Taranaki District	28,500	22,200	3,700	27.0	6,209.8	16.1
Ruapehu District	12,750	9,950	9,950	10.1	16,583.3	6.0
Wanganui District	47,300	38,100	2,381	42.0	3,023.8	33.1
Rangitikei District	15,550	12,400	6,200	16.1	12,400.0	8.1
Manawatu District	31,600	25,100	3,586	27.9	4,098.0	24.4
Palmerston North City	89,100	71,700	1,526	65.6	1,829.1	54.7
Tararua District	18,650	14,750	4,917	20.3	5,315.3	18.8
Horowhenua District	35,300	28,900	3,211	31.1	4,329.6	23.1
Kapiti Coast District	56,000	46,500	2,114	47.3	2,544.5	39.3



	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to- dentist ratio	Dentists per 100,000 population aged 15+	Population aged 15+ years-to-FTE- dentist ratio <sup>b</sup>	FTE per 100,000 population aged 15+ <sup>b</sup>
Porirua City	59,800	46,100	5,122	19.5	5,910.3	16.9
Upper Hutt City	46,100	37,300	2,072	48.3	2,194.1	45.6
Lower Hutt City	109,800	88,100	1,662	60.2	2,247.4	44.5
Wellington City	213,100	180,200	1,315	76.0	1,604.8	62.3
Masterton District	26,900	21,800	1,557	64.2	2,313.0	43.2
Carterton District	9,710	7,910	2,637	37.9	3,313.1	30.2
South Wairarapa District	11,100	9,150	4,575	21.9	4,880.0	20.5
Tasman District	55,100	45,600	2,533	39.5	3,134.0	31.9
Nelson City	53,600	44,300	1,030	97.1	1,321.4	75.7
Marlborough District	49,400	40,900	2,153	46.5	2,708.6	36.9
Kaikoura District	4,120	3,450	3,450	29.0	4,600.0	21.7
Buller District	9,720	8,190	8,190	12.2	8,190.0	12.2
Grey District	13,750	11,150	1,858	53.8	2,055.3	48.7
Westland District	8,840	7,400	—	—	—	—
Hurunui District	13,100	10,600	—	—	—	—
Waimakariri District	62,800	51,100	3,407	29.4	4,832.2	20.7
Christchurch City	387,700	322,300	1,401	71.4	1,809.2	55.3
Selwyn District	66,300	51,900	3,992	25.0	4,644.3	21.5
Ashburton District	35,000	27,900	3,100	32.3	3,808.9	26.3
Timaru District	47,900	39,400	2,189	45.7	2,740.9	36.5
Mackenzie District	5,270	4,420	—	—	—	—
Waimate District	8,180	6,820	—	—	—	—
Chatham Islands Territory	710	600	—	—	—	—
Waitaki District	23,200	19,100	1,910	52.4	2,607.5	38.4
Central Otago District	23,100	19,300	1,930	51.8	2,405.0	41.6
Queenstown-Lakes District	44,800	37,800	1,800	55.6	2,358.8	42.4
Dunedin City	132,300	112,100	728	137.4	983.4	101.7
Clutha District	18,150	14,750	3,688	27.1	7,023.8	14.2
Southland District	32,100	25,500	8,500	11.8	10,736.8	9.3
Gore District	12,800	10,400	3,467	28.8	4,622.2	21.6
Invercargill City	56,600	45,700	1,474	67.8	2,002.2	49.9
Area outside of TA	40	40	—	—	—	—
Missing TA	—	—	—	—	—	—
<b>Total</b>	<b>4,979,160</b>	<b>4,023,240</b>	<b>1,632</b>	<b>61.3</b>	<b>2,035.5</b>	<b>49.1</b>

<sup>a</sup> Population estimate as at 30 June 2019

<sup>b</sup> 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 1-30. Population to practising dentists and dental specialists and FTE ratios by DHB, for 2018

	No with practising certificates	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	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	67	185,800	147,200	44.7	2,197	45.5	3,290.3	30.4
Waitemata	299	615,100	495,300	214.0	1,657	60.4	2,314.1	43.2
Auckland	343	493,300	412,400	229.1	1,202	83.2	1,800.1	55.6
Counties-Manukau	176	567,000	439,100	127.0	2,495	40.1	3,458.5	28.9
Waikato	182	421,000	333,500	122.2	1,832	54.6	2,729.4	36.6
Lakes	47	113,400	89,200	34.8	1,898	52.7	2,564.1	39.0
Bay of Plenty	109	249,700	199,600	73.8	1,831	54.6	2,704.1	37.0
Tairāwhiti	13	49,500	37,900	8.4	2,915	34.3	4,525.4	22.1
Taranaki	75	121,300	96,200	50.0	1,283	78.0	1,925.4	51.9
Hawke's Bay	38	172,300	136,600	27.9	3,595	27.8	4,896.1	20.4
MidCentral	69	181,700	146,200	51.2	2,119	47.2	2,854.1	35.0
Whanganui	20	66,700	53,400	12.8	2,670	37.5	4,171.9	24.0
Capital and Coast	180	315,900	261,200	124.0	1,451	68.9	2,106.0	47.5
Hutt	71	153,900	123,600	49.0	1,741	57.4	2,523.4	39.6
Wairarapa	20	46,800	38,100	13.9	1,905	52.5	2,741.0	36.5
Nelson-Marlborough	82	155,500	128,300	56.6	1,565	63.9	2,266.8	44.1
West Coast	7	32,400	26,700	5.2	3,814	26.2	5,134.6	19.5
Canterbury	276	560,800	460,000	193.5	1,667	60.0	2,377.3	42.1
South Canterbury	20	60,900	50,200	16.4	2,510	39.8	3,061.0	32.7
Southern	254	337,400	279,300	159.4	1,100	90.9	1,752.5	57.1
Area outside of DHB	—	200	190	—	—	—	—	—
Unknown	88	—	—	38.7	—	—	—	—
<b>Total</b>	<b>2,436</b>	<b>4,900,600</b>	<b>3,954,190</b>	<b>1,652.6</b>	<b>1,623</b>	<b>61.6</b>	<b>2,392.8</b>	<b>41.8</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals. Dentists include dental specialists.  
(Data sources: Workforce survey and Ministry of Health)

Table 1-31. Population to practising dentists and dental specialists and FTE ratios by DHB, for 2019

	No with practising certificates	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	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	65	189,600	150,600	55.3	2,317	43.2	2,725.8	36.7
Waitemata	288	624,700	503,100	236.9	1,747	57.2	2,123.9	47.1
Auckland	328	498,100	417,300	270.6	1,272	78.6	1,542.1	64.8
Counties-Manukau	171	579,200	448,700	140.5	2,624	38.1	3,193.6	31.3
Waikato	178	428,900	340,300	141.8	1,912	52.3	2,400.7	41.7
Lakes	43	115,100	90,700	34.4	2,109	47.4	2,634.7	38.0
Bay of Plenty	103	256,100	205,000	78.8	1,990	50.2	2,603.2	38.4
Tairāwhiti	13	50,100	38,400	10.1	2,954	33.9	3,802.0	26.3
Taranaki	71	122,900	97,300	60.6	1,370	73.0	1,605.6	62.3
Hawke's Bay	37	175,000	139,000	31.2	3,757	26.6	4,458.7	22.4
MidCentral	68	184,200	148,300	57.1	2,181	45.9	2,598.3	38.5
Whanganui	19	67,400	54,000	14.2	2,842	35.2	3,802.8	26.3
Capital and Coast	166	319,400	265,000	136.1	1,596	62.6	1,947.6	51.3
Hutt	71	155,900	125,400	56.2	1,766	56.6	2,231.3	44.8
Wairarapa	19	47,700	38,900	13.7	2,047	48.8	2,842.0	35.2
Nelson-Marlborough	80	158,100	130,800	63.2	1,635	61.2	2,070.4	48.3
West Coast	7	32,300	26,800	6.4	3,829	26.1	4,171.2	24.0
Canterbury	268	569,700	467,900	208.0	1,746	57.3	2,249.9	44.4
South Canterbury	19	61,400	50,700	14.7	2,668	37.5	3,454.9	28.9
Southern	235	343,000	284,600	174.6	1,211	82.6	1,629.9	61.4
Area outside of DHB	—	210	200	—	—	—	—	—
Unknown	216	—	—	172.4	—	—	—	—
<b>Total</b>	<b>2,465</b>	<b>4,979,010</b>	<b>4,023,000</b>	<b>1,976.5</b>	<b>1,632</b>	<b>61.3</b>	<b>2,035.4</b>	<b>49.1</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals. Dentists include dental specialists.  
(Data sources: Workforce survey and Ministry of Health)

Table 1-32. Postgraduate training undertaken by dentists and dental specialists

	Expected year of completion	Current APC (%)	No current APC (%)	Overall (%)
2018	2017	12 (18.2)	—	12 (15.0)
	2018	12 (18.2)	3 (21.4)	15 (18.8)
	2019	20 (30.3)	5 (35.7)	25 (31.3)
	2020	11 (16.7)	2 (14.3)	13 (16.3)
	2021	2 (3.0)	—	2 (2.5)
	2022	1 (1.5)	—	1 (1.3)
	Not stated/unsure	8 (12.1)	4 (28.6)	12 (15.0)
	Total in postgraduate training	<b>66 (82.5)</b>	<b>14 (17.5)</b>	<b>80</b>
2019	2018	3 (4.1)	12 (50.0)	15 (15.3)
	2019	26 (35.1)	7 (29.2)	33 (33.7)
	2020	19 (25.7)	4 (16.7)	23 (23.5)
	2021	14 (18.9)	—	14 (14.3)
	2022	3 (4.1)	—	3 (3.1)
	2023	1 (1.4)	—	1 (1.0)
	2025	1 (1.4)	—	1 (1.0)
	Not stated/unsure	7 (9.5)	1 (4.2)	8 (8.2)
	Total in postgraduate training	<b>74 (75.5)</b>	<b>24 (24.5)</b>	<b>98</b>

(Data source: Workforce survey)

Table 1-33. Areas in which postgraduate training are being undertaken, based on 2019 data

Area of study	Students/Trainees
Orthodontics	17
Oral and maxillofacial surgery	10
Dental public health	8
Prosthodontics	8
Endodontics	7
Oral Surgery	7
General dentistry	7
Paediatric dentistry	6
Periodontics	6
Special needs dentistry	6
PhD	4
Oral medicine	2
Public health	2
Other/not reported/not a dental branch	8
<b>Total</b>	<b>98</b>

(Data source: Workforce survey; not University data)

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## Section 2:

### The oral health therapy workforce

# Oral health therapists

2019  
workforce  
at a glance



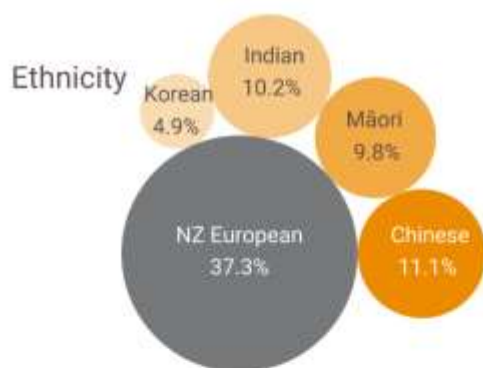
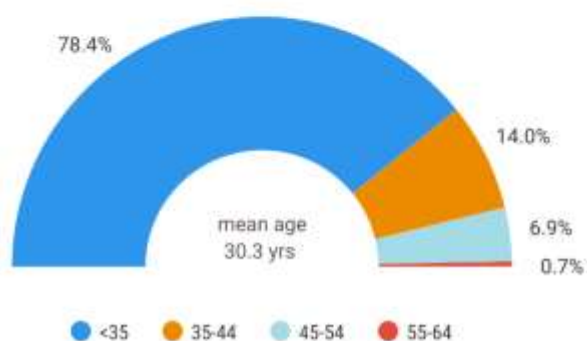
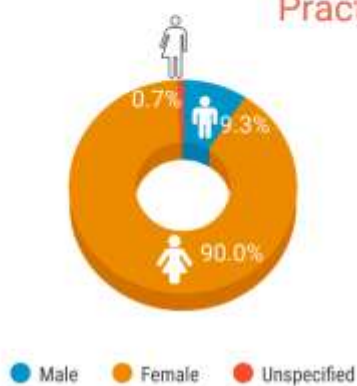
550 practising



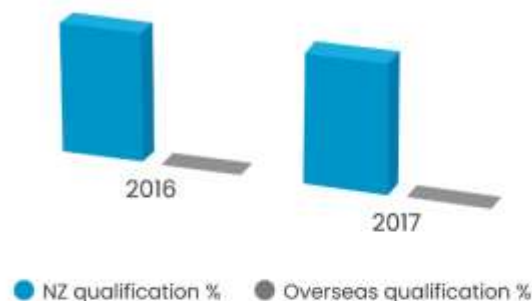
587 registered

37 not practising

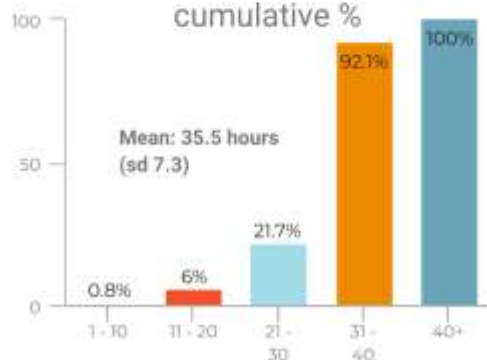
## Practising demographics



## Country of qualifications



## Hours worked cumulative %



## Primary employment

Self-employed 4.7%



2.5% solo practice



2.2% group practice

Employees 78.0%



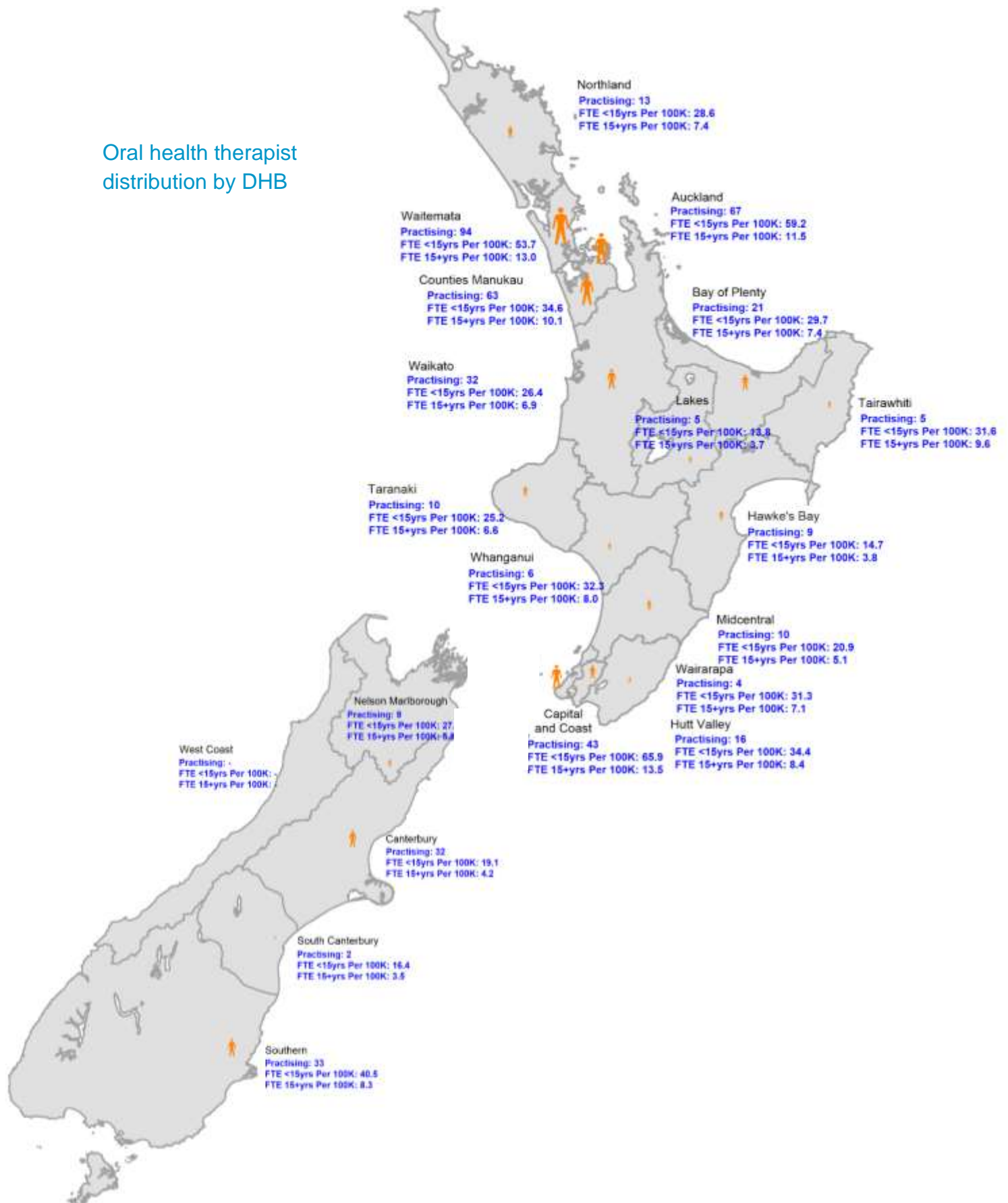
32.2% private practice



43.5% district health boards



## Oral health therapist distribution by DHB



# Executive summary oral health therapists

## Number of oral health therapists

This is the first report that covers oral health therapists. No historical information is available – only data for 2018 and 2019.

Oral health therapists have increased by 13.8% (2019) year-on-year with 587 practitioners on the register in 2019, and 93.7% with practising certificates. <sup>Table 2-1</sup>

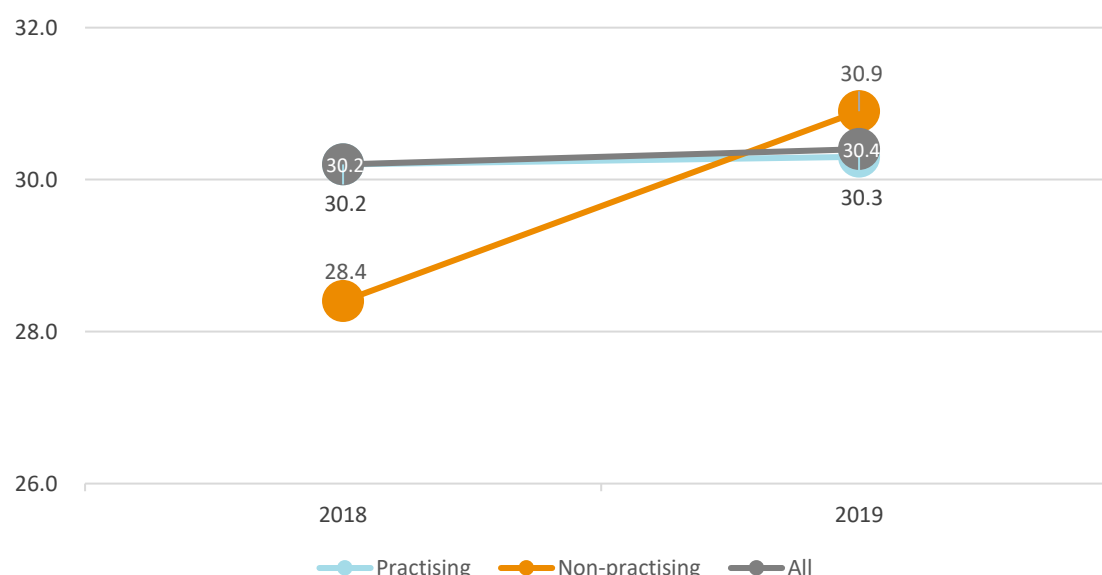
**Table 2-1. Registered oral health therapists**

	2018	% YoY	2019
Oral health therapists with practising certificates	505	8.9	550
Oral health therapists without practising certificates	11	236.4	37
<b>Total</b>	<b>516</b>	<b>13.8</b>	<b>587</b>

## Demographics

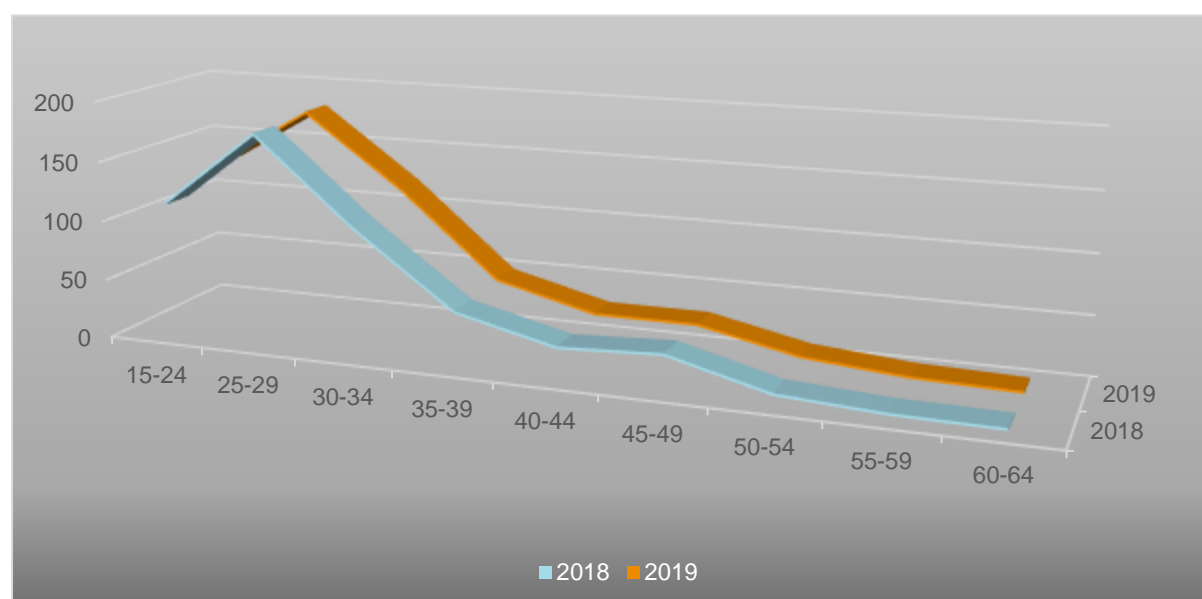
The average age for this group was 30.4 in 2019 (30.2 in 2018) reflecting a relatively young profile (78.3% of those practising were under 35 in 2019). <sup>Figure 2-1, Table 2-4</sup>

**Figure 2-1. Mean age of practising oral health therapists**



As indicated, the age group distribution is significantly skewed towards a younger age compared with other oral health professions. The group is expected to age over an extended period given the current population ages, and new registrants being mostly new graduates. <sup>Figure 2-2</sup>

Figure 2-2. Age band distribution of practising oral health therapists



Females dominate the oral health therapy workforce, with males below 10% of the practising profession. Table 2-5

The ethnicity reported by oral health therapists reflects diversity, with the largest Māori representation of the all oral health professions (9.8%) - but still below the New Zealand population average in 2019 (16.5%)<sup>2</sup>. NZ European is the largest group at 205 (37.3%) followed by Chinese 61 (11.1%) and Indian 56 (10.2%). Table 2-6

### Practising characteristics

The primary employment for the 429 (78.0%) who reported being employees for 2019 worked in DHBs (239, 55.7%) and private practice (177, 41.3%). Only 26 (4.7%) reported being self-employed. Table 2-9

Using a 40-hour work week as a norm, it was found that 92.1% (2019) of practising oral health therapists worked 40 hours or less on average per week. Table 2-11

The oral health therapists with the highest reported mean hours of work in oral health therapy were those with DHBs and other government departments as primary employers, reporting 37.2 hours per week for 2019. Private practice (self-employed group practice) and employees in private practice reported similar hours (32.7 and 33.0 respectively). Table 2-13

Ten oral health therapists reported part-time work, of which 40% indicated insufficient dental work as the reason. Table 2-12

<sup>2</sup> 2018 Stats NZ census data: <https://www.stats.govt.nz/news/new-zealands-population-reflects-growing-diversity>

## Geographical distribution

The analysis of territorial authorities (TAs) shows 25 TAs without practising oral health therapists. <sup>Table 2-14</sup>

Comparing the district health board distributions, only the West Coast reported no oral health therapists. The oral health therapist FTEs reported were 402.4, with 57.5 oral health therapists per 100k population below 15 years of age, and 13.7 oral health therapists per 100k population over 15 years of age. The three DHBs with the highest number of FTE oral health therapists per 100K population were Auckland, Waitemata and Capital & Coast (> 53FTEs for population > 15 years of age). <sup>Table 2-18</sup>

## Postgraduate studies

Eight oral health therapists indicated they were undertaking postgraduate studies in the 2019 workforce survey, with the most reported areas of postgraduate studies being: dental therapy related and dentistry (2 each). <sup>Table 2-20</sup>

## Workforce survey response rates

Oral health therapists had the highest workforce survey response rate of 98.5% for 2019. <sup>Table 2-2</sup>

Table 2-2. Oral health therapists survey responses

Year	Response rate (%)
2018	95.7
2019	98.5

## Oral health therapists' workforce data tables

Table 2-3. Number oral health therapists with practising certificates, by workforce reporting year

Report year	Total	Female (row %)	Male (row %)	Gender unspecified (row %)	% overseas graduates <sup>a</sup>
2017/18	505	455 (90.1)	46 (9.1)	4 (0.8)	0.6
2018/19	550	495 (90.0)	51 (9.3)	4 (0.7)	0.5

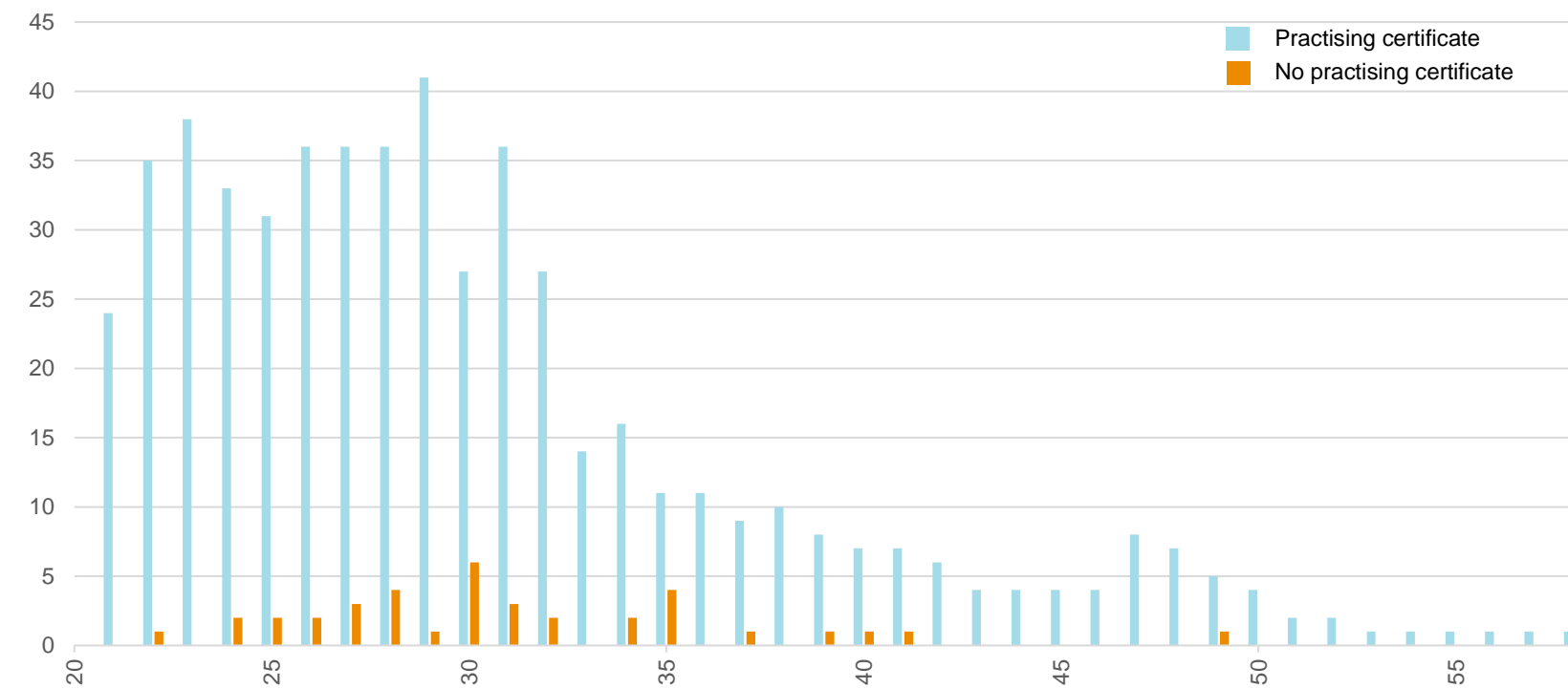
<sup>a</sup> Multiple qualifications per practitioner could apply  
(Data sources: Dental register & previous workforce reports)

Table 2-4. Age of oral health therapists by practising certificate status, as at 31 March 2019

Age bands	Practising certificate (%)	No practising certificate (%)
15 - 24	131 (23.8)	3 (8.1)
25 - 29	180 (32.7)	12 (32.4)
30 - 34	120 (21.8)	13 (35.1)
35 - 39	49 (8.9)	6 (16.2)
40 - 44	28 (5.1)	2 (5.4)
45 - 49	28 (5.1)	1 (2.7)
50 - 54	10 (1.8)	—
55 - 59	3 (0.5)	—
60 - 64	1 (0.2)	—
Total	<b>550</b>	<b>37</b>

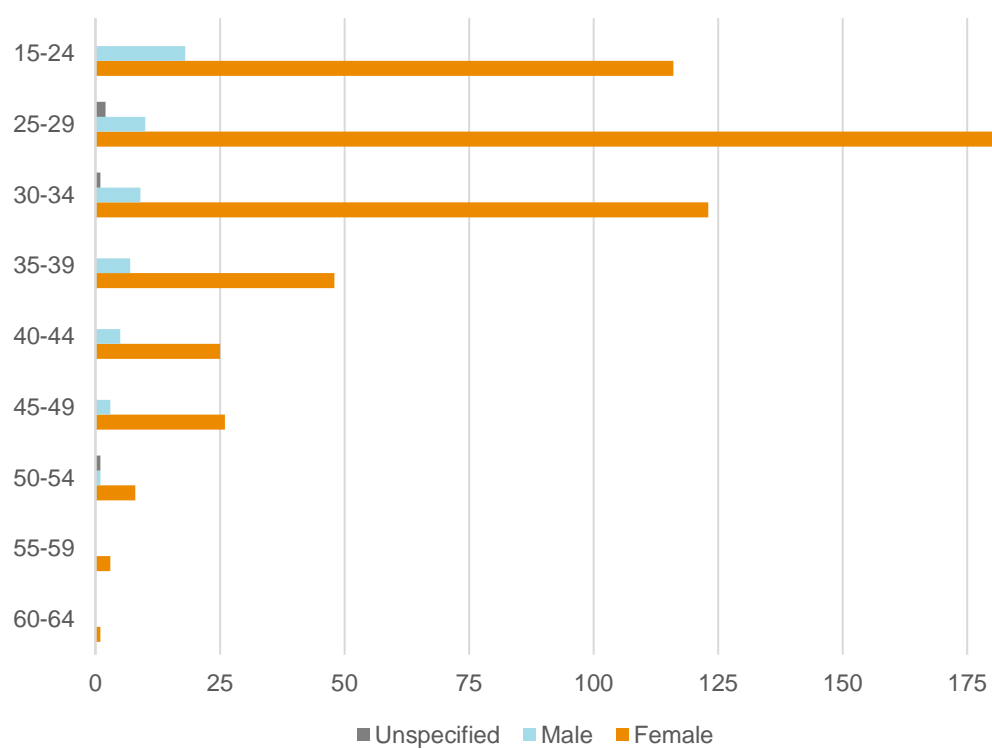
(Data source: Dental register)

Figure 2-3. Age of oral health therapists by practising certificate status, as at 31 March 2019



(Data source: Dental register)

Figure 2-4. Age of registered oral health therapists by gender, as at 31 March 2019



(Data source: Dental register)



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

	Gender	Practising certificate (%)	No practising certificate (%)	Total (%)
2018	Female	455 (90.1)	11 (100)	466 (90.3)
	Male	46 (9.1)	—	46 (8.9)
	Unspecified	4 (0.8)	—	4 (0.8)
	Total	<b>505 (97.9)</b>	<b>11 (2.1)</b>	<b>516</b>
2019	Female	495 (90.0)	35 (94.6)	530 (90.3)
	Male	51 (9.3)	2 (5.4)	53 (9.0)
	Unspecified	4 (0.7)	—	4 (0.7)
	Total	<b>550 (93.7)</b>	<b>37 (6.3)</b>	<b>587</b>

(Data source: Dental register)

Table 2-6. Self-identification of ethnicity by practising oral health therapists based on 2019 data

Ethnicity	Count	Ethnicity	Count	Ethnicity	Count
Māori	54 (9.8) <sup>b</sup>	Middle Eastern	3 (0.5)	Serbian	1 (0.2)
New Zealand European	205 (37.3)	Other Ethnicity	3 (0.5)	Singaporean Chinese	1 (0.2)
Chinese	61 (11.1)	Pakistani	3 (0.5)	Somali	1 (0.2)
Indian	56 (10.2)	Thai	3 (0.5)	Spanish	1 (0.2)
Korean	27 (4.9)	Tongan	3 (0.5)	Sri Lankan	1 (0.2)
Taiwanese	23 (4.2)	Australian	2 (0.4)	Swedish	1 (0.2)
New Zealander	20 (3.6)	Indonesian	2 (0.4)	Syrian	1 (0.2)
Fijian	17 (3.1)	Iranian/Persian	2 (0.4)	Ukrainian	1 (0.2)
Filipino	12 (2.2)	Russian	2 (0.4)	Vietnamese	1 (0.2)
Samoa	11 (2.0)	Albanian	1 (0.2)	Zimbabwean European	1 (0.2)
Iraqi	10 (1.8)	American	1 (0.2)	Not Stated	29 (5.3)
British	9 (1.6)	Arab	1 (0.2)	<b>Total<sup>a</sup></b>	<b>658</b>
Fijian Indian	9 (1.6)	Argentinian	1 (0.2)		
European	8 (1.5)	Cambodian Chinese	1 (0.2)		
Malaysian Chinese	8 (1.5)	Chilean	1 (0.2)		
Asian	7 (1.3)	Danish	1 (0.2)		
Cook Islands Māori	5 (0.9)	English	1 (0.2)		
South African	5 (0.9)	French	1 (0.2)		
Afghani	4 (0.7)	Greek	1 (0.2)		
African	4 (0.7)	Irish	1 (0.2)		
Niuean	4 (0.7)	Italian	1 (0.2)		
Other Zimbabwean	4 (0.7)	Kenyan	1 (0.2)		
Croatian	3 (0.5)	Kurd	1 (0.2)		
Dutch	3 (0.5)	Lao	1 (0.2)		
German	3 (0.5)	Latin American	1 (0.2)		
Japanese	3 (0.5)	Nepalese	1 (0.2)		
Malay	3 (0.5)	Rotuman	1 (0.2)		

<sup>a</sup> Total is greater than number of practising oral health therapists due to self-identification of multiple ethnicities

<sup>b</sup> Denominator used for percentage values is total practising oral health therapists

(Data sources: Workforce survey)

Table 2-7. Country of registration qualification for practising oral health therapists

Country of qualification	2018 (%) <sup>a</sup>	2019 (%) <sup>a</sup>
New Zealand	512 (99.4)	568 (99.5)
Overseas	3 (0.6)	3 (0.5)
<b>Total</b>	<b>515</b>	<b>571</b>
Breakdown of overseas qualifications	(%)	(%)
Australia	2 (0.4)	3 (0.5)
United States of America	1 (0.2)	—

<sup>a</sup> Percentages calculated from totals inclusive of New Zealand qualifications  
(Data source: Dental register)

Table 2-8. Overseas qualified oral health therapists with practising certificates—type of New Zealand registration pathway by year, as at 31 March 2019

Year of first registration in New Zealand	NZDOHTREX (%)	Prescribed overseas qualification (%)	Trans-Tasman Mutual Recognition (%)
2014 <sup>a</sup>	—	1 (33.3)	—
2015 <sup>a</sup>	—	1 (33.3)	—
2016 <sup>a</sup>	—	—	—
2017 <sup>a</sup>	—	1 (33.3)	—
2018	—	—	—
<b>Total</b>	<b>—</b>	<b>3</b>	<b>—</b>

<sup>a</sup> Eligible registrants transferred on 1 November 2017, but first registered as a dental hygienist and dental therapist with the Dental Council before the establishment of the oral health therapy scope of practice

Note: NZDOHTREX = New Zealand Dental Oral Health Therapy Registration Examination  
(Data source: Dental register)

Table 2-9. Type of primary employment of practising oral health therapists

		Number (%)	Total %
2018	Self-employed		
	Solo practice	14 (40.0)	2.8
	Group practice	21 (60.0)	4.2
	Subtotal	<b>35</b>	<b>6.9</b>
	Employee		
	Private practice	180 (47.9)	35.6
	DHB	186 (49.5)	36.8
	Universities	3 (0.8)	0.6
	Other government department, not MOH	4 (1.1)	0.8
	Iwi	3 (0.8)	0.6
	Subtotal	<b>376</b>	<b>74.5</b>
	Other forms of employment	5	1.0
	No reply to question	89	17.6
	Total	<b>505</b>	
2019	Self-employed		
	Solo practice	14 (53.8)	2.5
	Group practice	12 (46.2)	2.2
	Subtotal	<b>26</b>	<b>4.7</b>
	Employee		
	Private practice	177 (41.3)	32.2
	DHB	239 (55.7)	43.5
	Universities	5 (1.2)	0.9
	Other government department, not MOH	5 (1.2)	0.9
	Iwi	2 (0.5)	0.4
	Ministry of Health	1 (0.2)	0.2
	Subtotal	<b>429</b>	<b>78.0</b>
	Other forms of employment	11	2.0
	No reply to question	84	15.3
	Total	<b>550</b>	

(Data source: Workforce survey)

Table 2-10. Practising pattern reported by oral health therapists during workforce reporting year

Employment status		Practising certificate (%)	No practising certificate (%)	Total (%)
2018	Practising in New Zealand	143 (96.6)	—	143 (95.3)
	Practising overseas	3 (2.0)	2 (100.0)	5 (3.3)
	Overseas and not practising	—	—	—
	In NZ but not practising	2 (1.4)	—	2 (1.3)
	<b>Total</b>	<b>148</b>	<b>2</b>	<b>150</b>
Practising status not stated		357	9	366
2019	Practising in New Zealand	524 (97.9)	—	524 (93.2)
	Practising overseas	4 (0.7)	11 (40.7)	15 (2.7)
	Overseas and not practising	1 (0.2)	9 (33.3)	10 (1.8)
	In NZ but not practising	6 (1.1)	7 (25.9)	13 (2.3)
	<b>Total</b>	<b>535</b>	<b>27</b>	<b>562</b>
Practising status not stated		15	10	25

(Data source: Workforce survey)

Table 2-11. Total number of hours worked per week by oral health therapists practising in New Zealand

Number of hours worked	2018	2019
1 to 10	14 (5.4)	4 (0.8)
11 to 20	41 (15.9)	27 (5.2)
21 to 30	64 (24.8)	82 (15.7)
31 to 40	122 (47.3)	367 (70.4)
41 to 50	16 (6.2)	39 (7.5)
51 to 60	1 (0.4)	2 (0.4)
More than 60	—	—
Number giving data on hours	258	521
Mean no. of hours/week (SD)	30.2 (10.5)	35.5 (7.3)
No response or excluded	247	29
Total	<b>505</b>	<b>550</b>

(Data source: Workforce survey)

Table 2-12. Reasons for part-time practice by oral health therapists practising in New Zealand

	Reason for practising part-time	Females (%)	Males (%)	Total (%)
2018	Insufficient/available dental work	4 (44.4)	—	4 (40.0)
	Parental responsibilities	2 (22.2)	—	2 (20.0)
	Health issues	1 (11.1)	—	1 (10.0)
	Administration role	—	1 (100.0)	1 (10.0)
	Other/undisclosed	2 (22.2)	—	2 (20.0)
	<b>Total working part time</b>	<b>9 (90.0)</b>	<b>1 (10.0)</b>	<b>10 (100.0)</b>
2019	Insufficient/available dental work	4 (40.0)	—	4 (40.0)
	Parental responsibilities	1 (10.0)	—	1 (10.0)
	Health issues	1 (10.0)	—	1 (10.0)
	Personal choice	2 (20.0)	—	2 (20.0)
	Other/undisclosed	2 (20.0)	—	2 (20.0)
	<b>Total working part time</b>	<b>10 (100.0)</b>	—	<b>10 (100.0)</b>



Table 2-13. Work by practice and employment type for oral health therapists, by primary and secondary employer for 2019

	Oral health therapy		Teaching <sup>a</sup>		Administration <sup>a</sup>	
	No. <sup>b</sup>	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-employed, solo practice)	14	29.5 (8.8)	—	—	—	—
Private practice (self-employed, group practice)	12	32.7 (8.2)	—	—	—	—
Private practice (employee)	170	33.0 (8.0)	—	—	2	16.0 (5.7)
DHB	236	37.2 (5.3)	—	—	2	20.0
Universities	3	22.3 (4.0)	2	26.5 (4.9)	—	—
MOH	1	35.0	—	—	—	—
Iwi	2	32.5 (3.5)	—	—	—	—
Other government department	5	37.2 (4.4)	—	—	—	—
Other	11	32.1 (7.5)	—	—	—	—
Total number	<b>454</b>	<b>35.0 (7.1)</b>	<b>2</b>	<b>26.5 (4.9)</b>	<b>4</b>	<b>18.0 (4.0)</b>
Secondary employer						
Private practice (self-employed, solo practice)	—	—	—	—	1	1.0
Private practice (self-employed, group practice)	—	—	—	—	3	4.3 (4.9)
Private practice (employee)	—	—	—	—	12	3.3 (2.8)
DHB or MOH	—	—	—	—	—	—
Universities	—	—	1	10.0	—	—
Other	—	—	—	—	1	1.0
Total number	—	—	<b>1</b>	<b>10.0</b>	<b>17</b>	<b>3.2 (3.0)</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Practitioners reporting working no hours or more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 2-14. Geographic distribution of practising oral health therapists by Territorial Authority (TA)

TA area	2018		2019	
	Number of oral health therapists (%)	FTE [N reporting hours]	Number of oral health therapists (%)	FTE [N reporting hours]
Far North	6 (1.2)	2.2 [4.0]	6 (1.1)	5.1 [6.0]
Whangarei	5 (1.0)	1.7 [2.0]	5 (0.9)	4.5 [5.0]
Kaipara	2 (0.4)	—	2 (0.4)	1.5 [2.0]
Auckland unitary authority	239 (47.3)	91.4 [125.0]	224 (40.7)	158.2 [185.0]
Thames-Coromandel District	—	—	—	—
Hauraki District	1 (0.2)	—	2 (0.4)	0.9 [1.0]
Waikato District	2 (0.4)	0.7 [1.0]	2 (0.4)	1.0 [1.0]
Matamata-Piako District	—	—	1 (0.2)	0.3 [1.0]
Hamilton City	22 (4.4)	9.5 [13.0]	23 (4.2)	18.1 [21.0]
Waipa District	5 (1.0)	2.0 [3.0]	4 (0.7)	3.2 [4.0]
Otorohanga District	—	—	—	—
South Waikato District	—	—	—	—
Waitomo District	—	—	—	—
Taupo District	3 (0.6)	0.8 [1.0]	2 (0.4)	1.9 [2.0]
Western Bay of Plenty District	2 (0.4)	—	2 (0.4)	1.1 [2.0]
Tauranga City	16 (3.2)	6.2 [8.0]	15 (2.7)	10.3 [13.0]
Rotorua District	3 (0.6)	0.2 [1.0]	3 (0.5)	1.5 [3.0]
Whakatane District	4 (0.8)	1.1 [1.0]	4 (0.7)	3.9 [4.0]
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	5 (1.0)	1.0 [2.0]	5 (0.9)	3.7 [5.0]
Wairoa District	—	—	—	—
Hastings District	6 (1.2)	1.6 [2.0]	6 (1.1)	3.0 [5.0]
Napier City	3 (0.6)	2.0 [3.0]	3 (0.5)	2.3 [3.0]
Central Hawke's Bay District	—	—	—	—
New Plymouth District	8 (1.6)	3.4 [4.0]	8 (1.5)	4.7 [5.0]
Stratford District	2 (0.4)	0.8 [1.0]	2 (0.4)	1.8 [2.0]
South Taranaki District	—	—	—	—
Ruapehu District	—	—	—	—
Wanganui District	6 (1.2)	2.8 [3.0]	6 (1.1)	4.3 [5.0]
Rangitikei District	—	—	—	—
Manawatu District	2 (0.4)	—	3 (0.5)	1.8 [2.0]
Palmerston North City	6 (1.2)	1.5 [2.0]	6 (1.1)	4.8 [6.0]
Tararua District	—	—	—	—
Horowhenua District	1 (0.2)	1.0 [1.0]	1 (0.2)	1.0 [1.0]
Kapiti Coast District	2 (0.4)	0.6 [1.0]	2 (0.4)	1.3 [2.0]
Porirua City	2 (0.4)	1.8 [2.0]	2 (0.4)	1.4 [2.0]
Upper Hutt City	4 (0.8)	3.1 [3.0]	4 (0.7)	3.0 [3.0]

	2018		2019	
TA area	Number of oral health therapists (%)	FTE [N reporting hours]	Number of oral health therapists (%)	FTE [N reporting hours]
Lower Hutt City	13 (2.6)	3.6 [6.0]	12 (2.2)	7.5 [10.0]
Wellington City	39 (7.7)	19.3 [24.0]	39 (7.1)	33.2 [38.0]
Masterton District	4 (0.8)	1.9 [2.0]	4 (0.7)	2.8 [3.0]
Carterton District	—	—	—	—
South Wairarapa District	—	—	—	—
Tasman District	2 (0.4)	1.9 [2.0]	2 (0.4)	1.0 [1.0]
Nelson City	4 (0.8)	2.5 [3.0]	4 (0.7)	3.6 [4.0]
Marlborough District	3 (0.6)	—	3 (0.5)	3.0 [3.0]
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	—	—	—	—
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	—	—	—
Christchurch City	28 (5.5)	13.8 [17.0]	29 (5.3)	16.7 [20.0]
Selwyn District	—	—	—	—
Ashburton District	3 (0.6)	1.5 [2.0]	3 (0.5)	2.8 [3.0]
Timaru District	2 (0.4)	0.8 [1.0]	1 (0.2)	0.8 [1.0]
Mackenzie District	—	—	—	—
Waimate District	1 (0.2)	1.1 [1.0]	1 (0.2)	1.0 [1.0]
Chatham Islands Territory	—	—	—	—
Waitaki District	—	—	—	—
Central Otago District	3 (0.6)	2.6 [3.0]	3 (0.5)	1.9 [2.0]
Queenstown-Lakes District	2 (0.4)	0.6 [1.0]	2 (0.4)	1.4 [2.0]
Dunedin City	19 (3.8)	4.3 [7.0]	16 (2.9)	11.1 [14.0]
Clutha District	3 (0.6)	2.1 [2.0]	2 (0.4)	1.7 [2.0]
Southland District	—	—	—	—
Gore District	4 (0.8)	1.7 [2.0]	4 (0.7)	2.7 [3.0]
Invercargill City	6 (1.2)	—	6 (1.1)	5.0 [5.0]
Area outside of TA`	5 (1.0)	—	1 (0.2)	—
TA code not available	7 (1.4)	—	75 (13.6)	62.3 [69.0]
<b>Total</b>	<b>505</b>	<b>193.0 [256]</b>	<b>550</b>	<b>402.4 [472]</b>

Note: FTE = Full time equivalent

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

Table 2-15. Population to practising oral health therapists and FTE ratios by TA, for 2018

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to-oral therapist ratio	Oral health therapist per 100,000 population aged <15	Population aged <15 years-to-FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>	Population aged >15 years <sup>a</sup>	Population aged >15 years-to-oral therapist ratio	Oral health therapist per 100,000 population aged >15	Population aged >15 years-to-FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged >15 <sup>b</sup>
Far North	67,900	14,500	2,416.7	41.4	6,590.9	15.2	53,400	8,900.0	11.2	24,272.7	4.1
Whangarei	94,100	19,500	3,900.0	25.6	11,470.6	8.7	74,600	14,920.0	6.7	43,882.4	2.3
Kaipara	23,700	4,600	2,300.0	43.5	—	—	19,100	9,550.0	10.5	—	—
Auckland	1,654,800	324,100	1,356.1	73.7	3,546.4	28.2	1,330,700	5,567.8	18.0	14,561.1	6.9
Thames-Coromandel District	30,700	4,600	—	—	—	—	26,100	—	—	—	—
Hauraki District	20,700	3,800	3,800.0	26.3	—	—	16,900	16,900.0	5.9	—	—
Waikato District	78,200	18,000	9,000.0	11.1	25,714.3	3.9	60,200	30,100.0	3.3	86,000.0	1.2
Matamata-Piako District	35,300	7,100	—	—	—	—	28,200	—	—	—	—
Hamilton City	168,600	35,400	1,609.1	62.1	3,715.2	26.9	133,200	6,054.5	16.5	13,979.1	7.2
Waipa District	55,000	11,200	2,240.0	44.6	5,600.0	17.9	43,800	8,760.0	11.4	21,900.0	4.6
Otorohanga District	10,500	2,350	—	—	—	—	8,150	—	—	—	—
South Waikato District	24,800	5,700	—	—	—	—	19,100	—	—	—	—
Waitomo District	9,630	2,110	—	—	—	—	7,520	—	—	—	—
Taupo District	38,600	7,800	2,600.0	38.5	9,750.0	10.3	30,800	10,266.7	9.7	38,500.0	2.6
Western Bay of Plenty District	53,400	9,800	4,900.0	20.4	—	—	43,600	21,800.0	4.6	—	—
Tauranga City	142,000	28,200	1,762.5	56.7	4,530.1	22.1	113,800	7,112.5	14.1	18,281.1	5.5
Rotorua District	74,800	16,400	5,466.7	18.3	93,714.3	1.1	58,400	19,466.7	5.1	333,714.3	0.3
Whakatane District	37,100	8,200	2,050.0	48.8	7,288.9	13.7	28,900	7,225.0	13.8	25,688.9	3.9
Kawerau District	7,460	1,760	—	—	—	—	5,700	—	—	—	—
Opotiki District	9,670	2,140	—	—	—	—	7,530	—	—	—	—
Gisborne District	49,500	11,600	2,320.0	43.1	11,317.1	8.8	37,900	7,580.0	13.2	36,975.6	2.7
Wairoa District	8,720	2,020	—	—	—	—	6,700	—	—	—	—
Hastings District	84,700	18,100	3,016.7	33.1	11,138.5	9.0	66,600	11,100.0	9.0	40,984.6	2.4

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged <15	Population aged <15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>	Population aged >15 years <sup>a</sup>	Population aged >15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged >15	Population aged >15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged >15 <sup>b</sup>
Napier City	64,200	12,500	4,166.7	24.0	6,172.8	16.2	51,700	17,233.3	5.8	25,530.9	3.9
Central Hawke's Bay District	14,650	3,050	—	—	—	—	11,600	—	—	—	—
New Plymouth District	83,300	16,800	2,100.0	47.6	4,905.1	20.4	66,500	8,312.5	12.0	19,416.1	5.2
Stratford District	9,710	2,070	1,035.0	96.6	2,587.5	38.6	7,640	3,820.0	26.2	9,550.0	10.5
South Taranaki District	28,300	6,300	—	—	—	—	22,000	—	—	—	—
Ruapehu District	12,750	2,800	—	—	—	—	9,950	—	—	—	—
Wanganui District	46,800	9,100	1,516.7	65.9	3,250.0	30.8	37,700	6,283.3	15.9	13,464.3	7.4
Rangitikei District	15,450	3,150	—	—	—	—	12,300	—	—	—	—
Manawatu District	31,100	6,400	3,200.0	31.3	—	—	24,700	12,350.0	8.1	—	—
Palmerston North City	88,300	17,200	2,866.7	34.9	11,466.7	8.7	71,100	11,850.0	8.4	47,400.0	2.1
Tararua District	18,450	3,900	—	—	—	—	14,550	—	—	—	—
Horowhenua District	34,500	6,300	6,300.0	15.9	6,300.0	15.9	28,200	28,200.0	3.5	28,200.0	3.5
Kapiti Coast District	55,200	9,500	4,750.0	21.1	16,521.7	6.1	45,700	22,850.0	4.4	79,478.3	1.3
Porirua City	58,900	13,700	6,850.0	14.6	7,828.6	12.8	45,200	22,600.0	4.4	25,828.6	3.9
Upper Hutt City	45,400	8,700	2,175.0	46.0	2,829.3	35.3	36,700	9,175.0	10.9	11,935.0	8.4
Lower Hutt City	108,600	21,600	1,661.5	60.2	5,958.6	16.8	87,000	6,692.3	14.9	24,000.0	4.2
Wellington City	211,200	33,300	853.8	117.1	1,728.7	57.8	177,900	4,561.5	21.9	9,235.6	10.8
Masterton District	26,400	5,000	1,250.0	80.0	2,658.2	37.6	21,400	5,350.0	18.7	11,376.9	8.8
Carterton District	9,510	1,780	—	—	—	—	7,730	—	—	—	—
South Wairarapa District	10,900	1,950	—	—	—	—	8,950	—	—	—	—
Tasman District	54,000	9,600	4,800.0	20.8	4,987.0	20.1	44,400	22,200.0	4.5	23,064.9	4.3
Nelson City	52,700	9,200	2,300.0	43.5	3,680.0	27.2	43,500	10,875.0	9.2	17,400.0	5.7
Marlborough District	48,700	8,400	2,800.0	35.7	—	—	40,300	13,433.3	7.4	—	—
Kaikoura District	4,060	650	—	—	—	—	3,410	—	—	—	—

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged <15	Population aged <15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>	Population aged >15 years <sup>a</sup>	Population aged >15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged >15	Population aged >15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged >15 <sup>b</sup>
Buller District	9,850	1,610	—	—	—	—	8,240	—	—	—	—
Grey District	13,750	2,600	—	—	—	—	11,150	—	—	—	—
Westland District	8,830	1,450	—	—	—	—	7,380	—	—	—	—
Hurunui District	12,950	2,450	—	—	—	—	10,500	—	—	—	—
Waimakariri District	61,300	11,600	—	—	—	—	49,700	—	—	—	—
Christchurch City	383,800	65,100	2,325.0	43.0	4,702.9	21.3	318,700	11,382.1	8.8	23,023.3	4.3
Selwyn District	63,300	13,800	—	—	—	—	49,500	—	—	—	—
Ashburton District	34,600	7,000	2,333.3	42.9	4,827.6	20.7	27,600	9,200.0	10.9	19,034.5	5.3
Timaru District	47,600	8,400	4,200.0	23.8	11,200.0	8.9	39,200	19,600.0	5.1	52,266.7	1.9
Mackenzie District	5,100	840	—	—	—	—	4,260	—	—	—	—
Waimate District	8,120	1,390	1,390.0	71.9	1,263.6	79.1	6,730	6,730.0	14.9	6,118.2	16.3
Chatham Islands Territory	690	110	—	—	—	—	580	—	—	—	—
Waitaki District	22,900	4,200	—	—	—	—	18,700	—	—	—	—
Central Otago District	22,200	3,700	1,233.3	81.1	1,436.9	69.6	18,500	6,166.7	16.2	7,184.5	13.9
Queenstown-Lakes District	42,500	6,700	3,350.0	29.9	12,181.8	8.2	35,800	17,900.0	5.6	65,090.9	1.5
Dunedin City	131,200	20,300	1,068.4	93.6	4,680.1	21.4	110,900	5,836.8	17.1	25,567.7	3.9
Clutha District	18,050	3,400	1,133.3	88.2	1,619.0	61.8	14,650	4,883.3	20.5	6,976.2	14.3
Southland District	31,900	6,600	—	—	—	—	25,300	—	—	—	—
Gore District	12,800	2,450	612.5	163.3	1,462.7	68.4	10,350	2,587.5	38.6	6,179.1	16.2
Invercargill City	55,900	10,800	1,800.0	55.6	—	—	45,100	7,516.7	13.3	—	—
Missing/outside TA	40	—	—	—	—	—	40	—	—	—	—
<b>Total <sup>c</sup></b>	<b>4,900,340</b>	<b>946,430</b>	<b>1,874.1</b>	<b>53.4</b>	<b>4,903.4</b>	<b>20.4</b>	<b>3,953,910</b>	<b>7,829.5</b>	<b>12.8</b>	<b>20,485.0</b>	<b>4.9</b>

<sup>a</sup> Population estimate as at 30 June 2018

<sup>b</sup> Where hours are reported

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

Table 2-16. Population to practising oral health therapists and FTE ratios by TA, for 2019

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged <15	Population aged <15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>	Population aged >15 years <sup>a</sup>	Population aged >15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged >15	Population aged >15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged >15 <sup>b</sup>
Far North	69,300	14,600	2,433.3	41.1	2,848.8	35.1	54,700	9,116.7	11.0	10,673.2	9.4
Whangarei	96,000	19,700	3,940.0	25.4	4,353.6	23.0	76,300	15,260.0	6.6	16,861.9	5.9
Kaipara	24,400	4,600	2,300.0	43.5	3,066.7	32.6	19,800	9,900.0	10.1	13,200.0	7.6
Auckland	1,680,500	328,100	1,464.7	68.3	2,073.6	48.2	1,352,400	6,037.5	16.6	8,547.3	11.7
Thames-Coromandel District	31,300	4,600	—	—	—	—	26,700	—	—	—	—
Hauraki District	21,000	3,900	1,950.0	51.3	4,457.1	22.4	17,100	8,550.0	11.7	19,542.9	5.1
Waikato District	80,400	18,300	9,150.0	10.9	19,263.2	5.2	62,100	31,050.0	3.2	65,368.4	1.5
Matamata-Piako District	35,800	7,100	7,100.0	14.1	28,400.0	3.5	28,700	28,700.0	3.5	114,800.0	0.9
Hamilton City	172,300	36,100	1,569.6	63.7	1,996.6	50.1	136,200	5,921.7	16.9	7,532.8	13.3
Waipa District	56,300	11,500	2,875.0	34.8	3,565.9	28.0	44,800	11,200.0	8.9	13,891.5	7.2
Otorohanga District	10,600	2,350	—	—	—	—	8,250	—	—	—	—
South Waikato District	25,100	5,700	—	—	—	—	19,400	—	—	—	—
Waitomo District	9,650	2,100	—	—	—	—	7,550	—	—	—	—
Taupo District	39,300	7,800	3,900.0	25.6	4,160.0	24.0	31,500	15,750.0	6.3	16,800.0	6.0
Western Bay of Plenty District	54,800	9,900	4,950.0	20.2	9,428.6	10.6	44,900	22,450.0	4.5	42,761.9	2.3
Tauranga City	146,200	28,900	1,926.7	51.9	2,812.7	35.6	117,300	7,820.0	12.8	11,416.1	8.8
Rotorua District	75,800	16,600	5,533.3	18.1	11,066.7	9.0	59,200	19,733.3	5.1	39,466.7	2.5
Whakatane District	37,600	8,300	2,075.0	48.2	2,141.9	46.7	29,300	7,325.0	13.7	7,561.3	13.2
Kawerau District	7,600	1,780	—	—	—	—	5,820	—	—	—	—
Opotiki District	9,850	2,180	—	—	—	—	7,670	—	—	—	—

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged <15	Population aged <15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>	Population aged >15 years <sup>a</sup>	Population aged >15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged >15	Population aged >15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged >15 <sup>b</sup>
Gisborne District	50,100	11,700	2,340.0	42.7	3,162.2	31.6	38,400	7,680.0	13.0	10,378.4	9.6
Wairoa District	8,810	2,050	—	—	—	—	6,760	—	—	—	—
Hastings District	86,100	18,200	3,033.3	33.0	6,016.5	16.6	67,900	11,316.7	8.8	22,446.3	4.5
Napier City	65,200	12,600	4,200.0	23.8	5,538.5	18.1	52,600	17,533.3	5.7	23,120.9	4.3
Central Hawke's Bay District	14,900	3,100	—	—	—	—	11,800	—	—	—	—
New Plymouth District	84,600	17,100	2,137.5	46.8	3,628.6	27.6	67,500	8,437.5	11.9	14,323.6	7.0
Stratford District	9,810	2,100	1,050.0	95.2	1,200.0	83.3	7,710	3,855.0	25.9	4,405.7	22.7
South Taranaki District	28,500	6,300	—	—	—	—	22,200	—	—	—	—
Ruapehu District	12,750	2,800	—	—	—	—	9,950	—	—	—	—
Wanganui District	47,300	9,200	1,533.3	65.2	2,127.2	47.0	38,100	6,350.0	15.7	8,809.2	11.4
Rangitikei District	15,550	3,150	—	—	—	—	12,400	—	—	—	—
Manawatu District	31,600	6,500	2,166.7	46.2	3,714.3	26.9	25,100	8,366.7	12.0	14,342.9	7.0
Palmerston North City	89,100	17,400	2,900.0	34.5	3,663.2	27.3	71,700	11,950.0	8.4	15,094.7	6.6
Tararua District	18,650	3,900	—	—	—	—	14,750	—	—	—	—
Horowhenua District	35,300	6,400	6,400.0	15.6	6,400.0	15.6	28,900	28,900.0	3.5	28,900.0	3.5
Kapiti Coast District	56,000	9,500	4,750.0	21.1	7,600.0	13.2	46,500	23,250.0	4.3	37,200.0	2.7
Porirua City	59,800	13,700	6,850.0	14.6	9,963.6	10.0	46,100	23,050.0	4.3	33,527.3	3.0
Upper Hutt City	46,100	8,800	2,200.0	45.5	2,933.3	34.1	37,300	9,325.0	10.7	12,433.3	8.0
Lower Hutt City	109,800	21,700	1,808.3	55.3	2,893.3	34.6	88,100	7,341.7	13.6	11,746.7	8.5
Wellington City	213,100	32,900	843.6	118.5	991.0	100.9	180,200	4,620.5	21.6	5,427.7	18.4
Masterton District	26,900	5,100	1,275.0	78.4	1,854.5	53.9	21,800	5,450.0	18.3	7,927.3	12.6
Carterton District	9,710	1,800	—	—	—	—	7,910	—	—	—	—



	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged <15	Population aged <15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>	Population aged >15 years <sup>a</sup>	Population aged >15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged >15	Population aged >15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged >15 <sup>b</sup>
South Wairarapa District	11,100	1,950	—	—	—	—	9,150	—	—	—	—
Tasman District	55,100	9,500	4,750.0	21.1	9,500.0	10.5	45,600	22,800.0	4.4	45,600.0	2.2
Nelson City	53,600	9,300	2,325.0	43.0	2,619.7	38.2	44,300	11,075.0	9.0	12,478.9	8.0
Marlborough District	49,400	8,500	2,833.3	35.3	2,833.3	35.3	40,900	13,633.3	7.3	13,633.3	7.3
Kaikoura District	4,120	670	—	—	—	—	3,450	—	—	—	—
Buller District	9,720	1,530	—	—	—	—	8,190	—	—	—	—
Grey District	13,750	2,600	—	—	—	—	11,150	—	—	—	—
Westland District	8,840	1,440	—	—	—	—	7,400	—	—	—	—
Hurunui District	13,100	2,500	—	—	—	—	10,600	—	—	—	—
Waimakariri District	62,800	11,700	—	—	—	—	51,100	—	—	—	—
Christchurch City	387,700	65,400	2,255.2	44.3	3,916.2	25.5	322,300	11,113.8	9.0	19,299.4	5.2
Selwyn District	66,300	14,400	—	—	—	—	51,900	—	—	—	—
Ashburton District	35,000	7,100	2,366.7	42.3	2,581.8	38.7	27,900	9,300.0	10.8	10,145.5	9.9
Timaru District	47,900	8,500	8,500.0	11.8	11,333.3	8.8	39,400	39,400.0	2.5	52,533.3	1.9
Mackenzie District	5,270	850	—	—	—	—	4,420	—	—	—	—
Waimate District	8,180	1,360	1,360.0	73.5	1,360.0	73.5	6,820	6,820.0	14.7	6,820.0	14.7
Chatham Islands Territory	710	110	—	—	—	—	600	—	—	—	—
Waitaki District	23,200	4,100	—	—	—	—	19,100	—	—	—	—
Central Otago District	23,100	3,800	1,266.7	78.9	2,054.1	48.7	19,300	6,433.3	15.5	10,432.4	9.6
Queenstown-Lakes District	44,800	7,000	3,500.0	28.6	5,000.0	20.0	37,800	18,900.0	5.3	27,000.0	3.7
Dunedin City	132,300	20,200	1,262.5	79.2	1,819.8	55.0	112,100	7,006.3	14.3	10,099.1	9.9

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged <15	Population aged <15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>	Population aged >15 years <sup>a</sup>	Population aged >15 years-to- oral therapist ratio	Oral health therapist per 100,000 population aged >15	Population aged >15 years-to- FTE-oral health therapist ratio <sup>b</sup>	FTE per 100,000 population aged >15 <sup>b</sup>
Clutha District	18,150	3,400	1,700.0	58.8	2,060.6	48.5	14,750	7,375.0	13.6	8,939.4	11.2
Southland District	32,100	6,600	—	—	—	—	25,500	—	—	—	—
Gore District	12,800	2,400	600.0	166.7	888.9	112.5	10,400	2,600.0	38.5	3,851.9	26.0
Invercargill City	56,600	10,900	1,816.7	55.0	2,191.0	45.6	45,700	7,616.7	13.1	9,185.9	10.9
Missing/outside TA	40	—	—	—	—	—	40	—	—	—	—
<b>Total <sup>c</sup></b>	<b>4,979,160</b>	<b>955,920</b>	<b>1,738.0</b>	<b>57.5</b>	<b>2,375.7</b>	<b>42.1</b>	<b>4,023,240</b>	<b>7,315.0</b>	<b>13.7</b>	<b>9,998.7</b>	<b>10.0</b>

<sup>a</sup> Population estimate as at 30 June 2019

<sup>b</sup> Where hours are reported

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

Table 2-17. Population to practising oral health therapists and FTE ratios by district health board (DHB), for 2018

	No with practising certificates	Total population <sup>a</sup>	FTE OHTs	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- OHT ratio	OHT per 100,000 population aged <15 years	Population aged <15 years-to- FTE- OHT ratio	FTE per 100,000 population aged <15 years	Population aged >15 years-to- OHT ratio	OHT per 100,000 population aged >15 years	Population aged >15 years-to- FTE- OHT ratio	FTE per 100,000 population aged >15 years
Northland	13	185,800	3.9	38,600	2,969	33.7	9,897.4	10.1	11,323	8.8	37,743.6	2.6
Waitemata	98	615,100	43.3	119,800	1,222	81.8	2,766.7	36.1	5,054	19.8	11,438.8	8.7
Auckland	73	493,300	25.3	80,900	1,108	90.2	3,200.8	31.2	5,649	17.7	16,316.5	6.1
Counties-Manukau	68	567,000	22.8	127,900	1,881	53.2	5,606.6	17.8	6,457	15.5	19,248.2	5.2
Waikato	30	421,000	12.2	87,500	2,917	34.3	7,155.4	14.0	11,117	9.0	27,272.4	3.7
Lakes	6	113,400	1.0	24,200	4,033	24.8	24,820.5	4.0	14,867	6.7	91,487.2	1.1
Bay of Plenty	22	249,700	7.4	50,100	2,277	43.9	6,816.3	14.7	9,073	11.0	27,156.5	3.7
Tairāwhiti	5	49,500	1.0	11,600	2,320	43.1	11,317.1	8.8	7,580	13.2	36,975.6	2.7
Taranaki	10	121,300	4.2	25,100	2,510	39.8	5,940.8	16.8	9,620	10.4	22,769.2	4.4
Hawke's Bay	9	172,300	3.7	35,700	3,967	25.2	9,780.8	10.2	15,178	6.6	37,424.7	2.7
MidCentral	9	181,700	2.5	35,500	3,944	25.4	14,200.0	7.0	16,244	6.2	58,480.0	1.7
Whanganui	6	66,700	2.8	13,300	2,217	45.1	4,750.0	21.1	8,900	11.2	19,071.4	5.2
Capital and Coast	43	315,900	21.6	54,700	1,272	78.6	2,533.9	39.5	6,074	16.5	12,099.6	8.3
Hutt	17	153,900	6.7	30,300	1,782	56.1	4,522.4	22.1	7,271	13.8	18,447.8	5.4
Wairarapa	4	46,800	1.9	8,700	2,175	46.0	4,625.2	21.6	9,525	10.5	20,255.2	4.9
Nelson-Marlborough	9	155,500	4.4	27,200	3,022	33.1	6,146.9	16.3	14,256	7.0	28,994.4	3.4
West Coast	—	32,400	—	5,700	—	—	—	—	—	—	—	—
Canterbury	31	560,800	15.3	100,800	3,252	30.8	6,591.5	15.2	14,839	6.7	30,080.1	3.3
South Canterbury	3	60,900	1.9	10,700	3,567	28.0	5,783.8	17.3	16,733	6.0	27,135.1	3.7
Southern	37	337,400	11.2	58,100	1,570	63.7	5,170.2	19.3	7,549	13.2	24,854.3	4.0
Area outside of DHB	—	200		10								
Unknown	12											
<b>Total</b>	<b>505</b>	<b>4,900,600</b>	<b>193.0</b>	<b>946,410</b>	<b>1,874</b>	<b>53.4</b>	<b>4,903.3</b>	<b>20.4</b>	<b>7,830</b>	<b>12.8</b>	<b>20,486.5</b>	<b>4.9</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals  
(Data sources: Workforce survey and Ministry of Health)

Table 2-18. Population to practising oral health therapists and FTE ratios by DHB, for 2019

	No with practising certificates	Total population <sup>a</sup>	FTE OHTs	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- OHT ratio	OHT per 100,000 population aged <15 years	Population aged <15 years-to- FTE- OHT ratio	FTE per 100,000 population aged <15 years	Population aged >15 years-to- OHT ratio	OHT per 100,000 population aged >15 years	Population aged >15 years-to- FTE- OHT ratio	FTE per 100,000 population aged >15 years
Northland	13	189,600	11.2	39,000	3,000	33.3	3,497.8	28.6	11,585	8.6	13,506.7	7.4
Waitemata	94	624,700	65.3	121,600	1,294	77.3	1,862.9	53.7	5,352	18.7	7,707.4	13.0
Auckland	67	498,100	47.8	80,800	1,206	82.9	1,690.4	59.2	6,228	16.1	8,730.1	11.5
Counties- Manukau	63	579,200	45.2	130,500	2,071	48.3	2,890.4	34.6	7,122	14.0	9,938.0	10.1
Waikato	32	428,900	23.4	88,600	2,769	36.1	3,789.4	26.4	10,634	9.4	14,554.6	6.9
Lakes	5	115,100	3.4	24,400	4,880	20.5	7,229.6	13.8	18,140	5.5	26,874.1	3.7
Bay of Plenty	21	256,100	15.2	51,100	2,433	41.1	3,361.8	29.7	9,762	10.2	13,486.8	7.4
Tairāwhiti	5	50,100	3.7	11,700	2,340	42.7	3,162.2	31.6	7,680	13.0	10,378.4	9.6
Taranaki	10	122,900	6.5	25,600	2,560	39.1	3,961.3	25.2	9,730	10.3	15,056.1	6.6
Hawke's Bay	9	175,000	5.3	36,000	4,000	25.0	6,792.5	14.7	15,444	6.5	26,226.4	3.8
MidCentral	10	184,200	7.5	35,900	3,590	27.9	4,786.7	20.9	14,830	6.7	19,773.3	5.1
Whanganui	6	67,400	4.3	13,400	2,233	44.8	3,098.3	32.3	9,000	11.1	12,485.5	8.0
Capital and Coast	43	319,400	35.8	54,400	1,265	79.0	1,518.5	65.9	6,163	16.2	7,397.1	13.5
Hutt	16	155,900	10.5	30,500	1,906	52.5	2,904.8	34.4	7,838	12.8	11,942.9	8.4
Wairarapa	4	47,700	2.8	8,800	2,200	45.5	3,200.0	31.3	9,725	10.3	14,145.5	7.1
Nelson- Marlborough	9	158,100	7.6	27,300	3,033	33.0	3,615.9	27.7	14,533	6.9	17,324.5	5.8
West Coast	—	32,300	—	5,500	—	—	—	—	—	—	—	—
Canterbury	32	569,700	19.5	101,800	3,181	31.4	5,233.9	19.1	14,622	6.8	24,056.6	4.2
South Canterbury	2	61,400	1.8	10,700	5,350	18.7	6,114.3	16.4	25,350	3.9	28,971.4	3.5
Southern	33	343,000	23.7	58,400	1,770	56.5	2,466.7	40.5	8,624	11.6	12,021.1	8.3
Area outside of DHB	—	210		10								
Unknown	76		62.3									
<b>Total</b>	<b>550</b>	<b>4,979,010</b>	<b>402.4</b>	<b>956,010</b>	<b>1,738</b>	<b>57.5</b>	<b>2,375.9</b>	<b>42.1</b>	<b>7,315</b>	<b>13.7</b>	<b>9,998.1</b>	<b>10.0</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals  
(Data sources: Workforce survey and Ministry of Health)

Table 2-19. Postgraduate training undertaken by oral health therapists

	Expected year of completion	Current APC (%)	No current APC (%)	Overall (%)
2018	2017	6 (50.0)	—	6 (50.0)
	2018	3 (25.0)	—	3 (25.0)
	2019	2 (16.7)	—	2 (16.7)
	Not stated/unsure	1 (8.3)	—	1 (8.3)
	Total in postgraduate training	<b>12 (100.0)</b>	—	<b>12 (100.0)</b>
2019	2018	3 (60.0)	1 (33.3)	4 (50.0)
	2019	2 (40.0)	2 (66.7)	4 (50.0)
	Total in postgraduate training	<b>5 (62.5)</b>	<b>3 (37.5)</b>	<b>8</b>

(Data source: Workforce survey)

Table 2-20. Areas in which postgraduate training are being undertaken, based on 2019 data

Area of study	Students
Dental therapy related	2
Dentistry	2
Orthodontics related	1
Public health	1
Education	1
Other	1
<b>Total</b>	<b>8</b>

(Data source: Workforce survey)

## Section 3:

### The dental therapy workforce

## Dental therapists

2019  
workforce  
at a glance



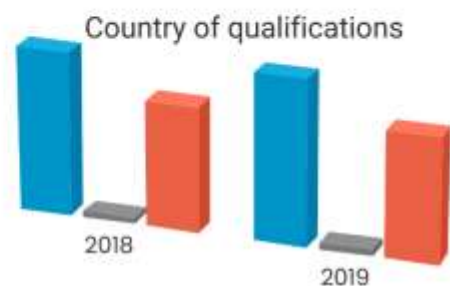
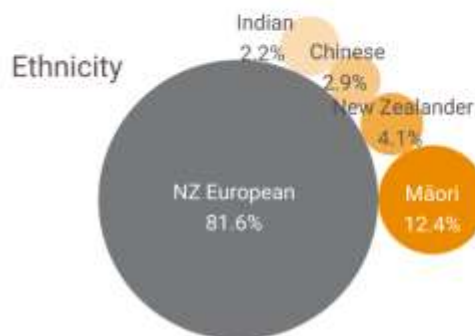
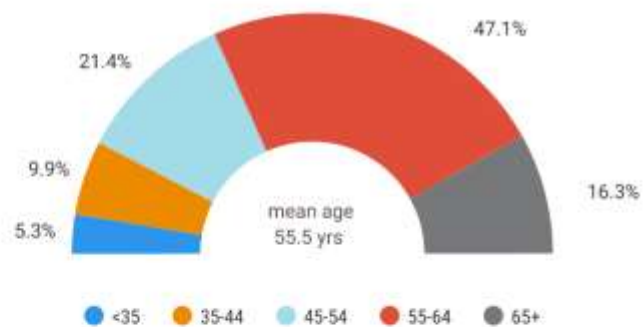
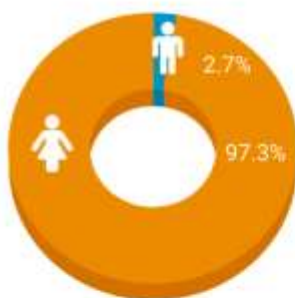
412 practising



458 registered

46 not practising

### Practising demographics



● NZ qualification % ● Overseas qualification %  
● Undefined



### Primary employment



2.7% Self-employed

Employees 89.3%



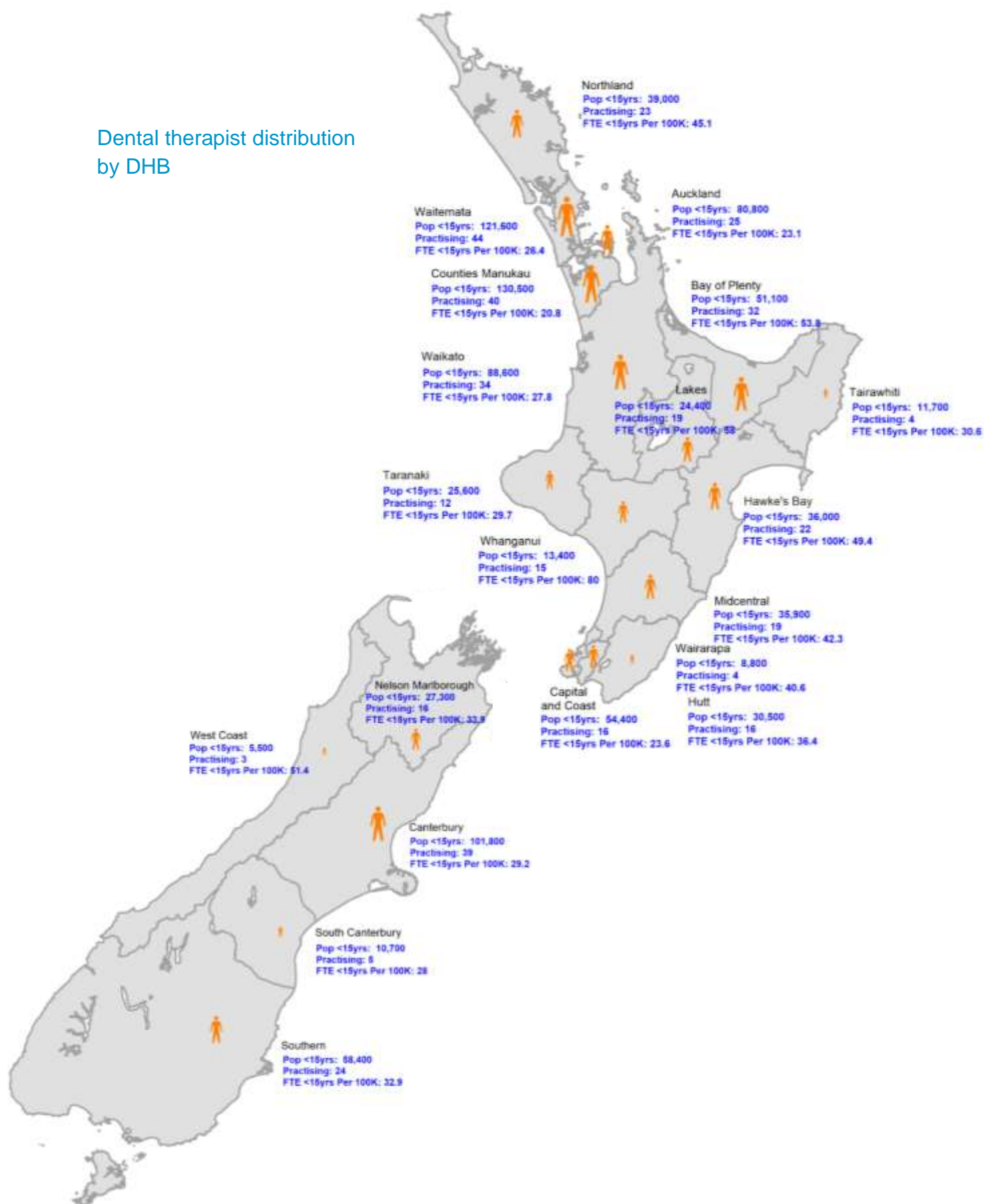
78.9% District health boards



7.3% Private practice



## Dental therapist distribution by DHB



## Executive summary dental therapists

### Number of dental therapists

In November 2017 eligible oral health graduates were moved from dental therapy (and dental hygiene) to the oral health therapy scope of practice.

As a result, a significant shift between 2017 and 2018 numbers occurred. For this reason, direct comparison with data from 2017 and earlier should be avoided.

With no dental therapy qualification available in New Zealand, and hardly any overseas dental therapists entering the profession, the decline in the dental therapy scope of practice is expected to continue.

In 2019 there were a total of 458 dental therapists on the register. Of those 412 (90.0%) held annual practising certificates.

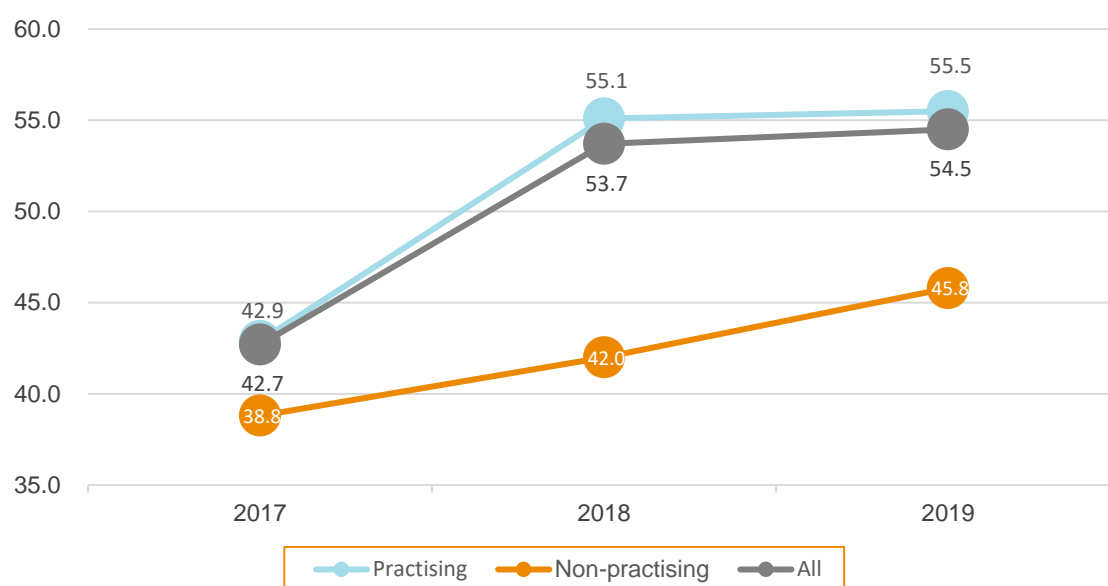
Table 3-1. Registered dental therapists

	2017	2018	% YoY	2019
Dental therapists with practising certificates	961	458	-10.0	412
Dental therapists without practising certificates	50	48	-4.2	46
<b>Total</b>	<b>1,011</b>	<b>506</b>	<b>-9.5</b>	<b>458</b>

### Demographics

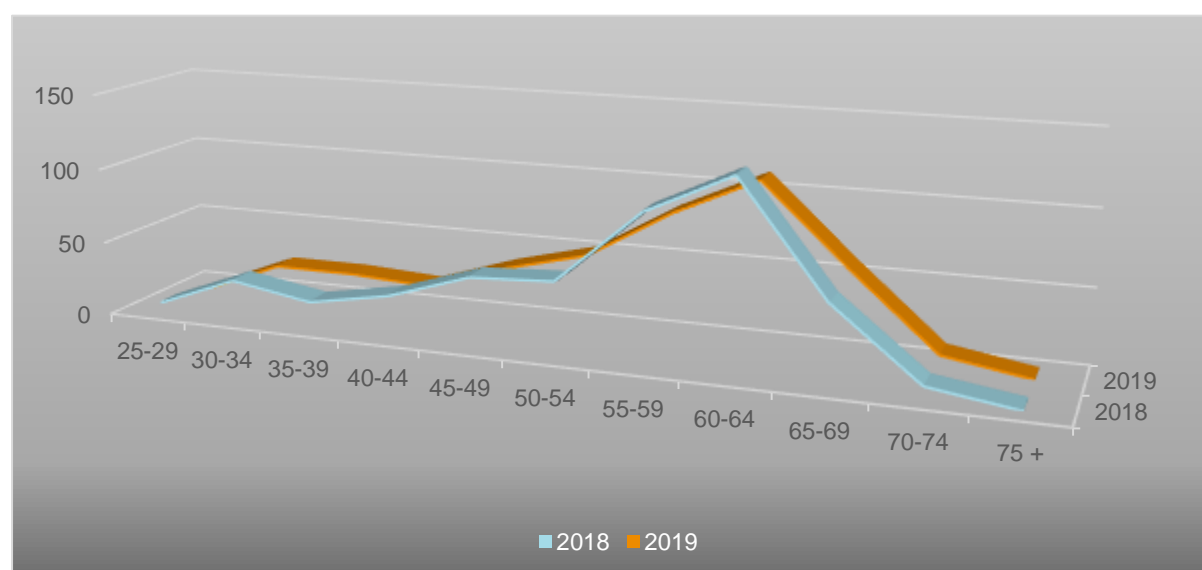
Over the reporting period the mean age has steadily increased to 54.5 in 2019. This trend is expected to continue. Figure 3-1

Figure 3-1. Mean age of practising dental therapists



The absence of young dental therapists in the profession is demonstrated in the age group distribution. Figure 3-2

Figure 3-2. Age band distribution of practising dental therapists



Females continue to dominate the dental therapy workforce, with males below 3% of the practising profession in 2019. Table 3-5

The ethnicity reported by dental therapists reflects the diverse nature of the New Zealand population, with Māori representing 12.4%<sup>3</sup>. New Zealand European was the largest group at 336 (81.6%) and New Zealander 4.1%. All other ethnicities were all below 3%. Table 3-6

<sup>3</sup> 2018 Stats NZ census data: <https://www.stats.govt.nz/news/new-zealands-population-reflects-growing-diversity>

## Registration

The proportion of overseas dental therapist qualifications was 1.9%, and New Zealand qualifications at 56.0% in 2019. With the prescribed qualification cleansing a new category 'undefined' (42.1%), is reported. This primarily represents workplace training and experiences, not formal qualifications. <sup>Table 3-7</sup>

## Practising characteristics

Dental therapists largely reported being employees (89.3%), of those 88.3% were employed by the DHBs and 8.2% in private practice. Only 2.7% reported being self-employed. <sup>Table 3-9</sup>

Using a 40-hour work week as a norm, it was found that almost all (98.0% in 2019) of dental therapists worked 40 hours or less per week with only 7 recording over 40 hours per week. <sup>Table 3-11</sup>

Dental therapists employed by the DHBs reported performing dental therapy activities 32.0 (sd 7.7) mean hours per week. The dental therapists working in an Iwi organisation as primary employment reported the highest average number of hours per week performing dental therapy activities (35.0, sd 7.1). <sup>Table 3-14</sup>

The vast majority (95, 79.8%) of dental therapists who worked part-time reported personal choice as the reason. <sup>Table 3-12</sup>

## Geographical distribution

The analysis of territorial authorities (TAs) shows there were 12 TAs without any dental therapy services reported. For 2019, these include: Hauraki, Otorohanga, Kawerau, Stratford, South Wairarapa, Kaikoura, Westland, Mackenzie, Waimate, Chatham Islands, Central Otago and Gore territories. <sup>Table 3-15</sup>

With the decrease in dental therapists, the population ratios all declined in 2018 and continued in 2019. The FTE per 10k population < 15 years of age for 2019 was 32.2. It should be noted that oral health therapists continue to practise in the same clinical areas (compare FTE 42.1). <sup>Table 3-17</sup>

## Postgraduate studies

Fifteen dental therapists indicated they were undertaking postgraduate studies in the 2019 workforce survey, with the most reported areas of postgraduate studies being dental therapy related (10) and dental public health (2). <sup>Table 3-20, Table 3-21</sup>

## Workforce survey response rates

The survey response rate increased to 98.3% for the 2019 survey. <sup>Table 3-2</sup>

Table 3-2. Dental therapist survey responses

Year	Response rate (%)
2017	80.7
2018	88.9
2019	98.3

## Dental therapists workforce data tables

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

Report year	Total	Female (row %)	Male (row %)	% overseas graduates
2007	673	664 (98.7)	9 (1.3)	— <sup>a</sup>
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
2015/16	942	893 (94.8)	49 (5.2)	2.8
2016/17	961	905 (94.2)	56 (5.8)	2.9
2017/18	458	448 (97.8)	10 (2.2)	1.9 <sup>b</sup>
2018/19	412	401 (97.3)	11 (2.7)	1.9 <sup>b</sup>

<sup>a</sup> Data not available from historic reports

<sup>b</sup> Multiple qualifications per practitioner could apply

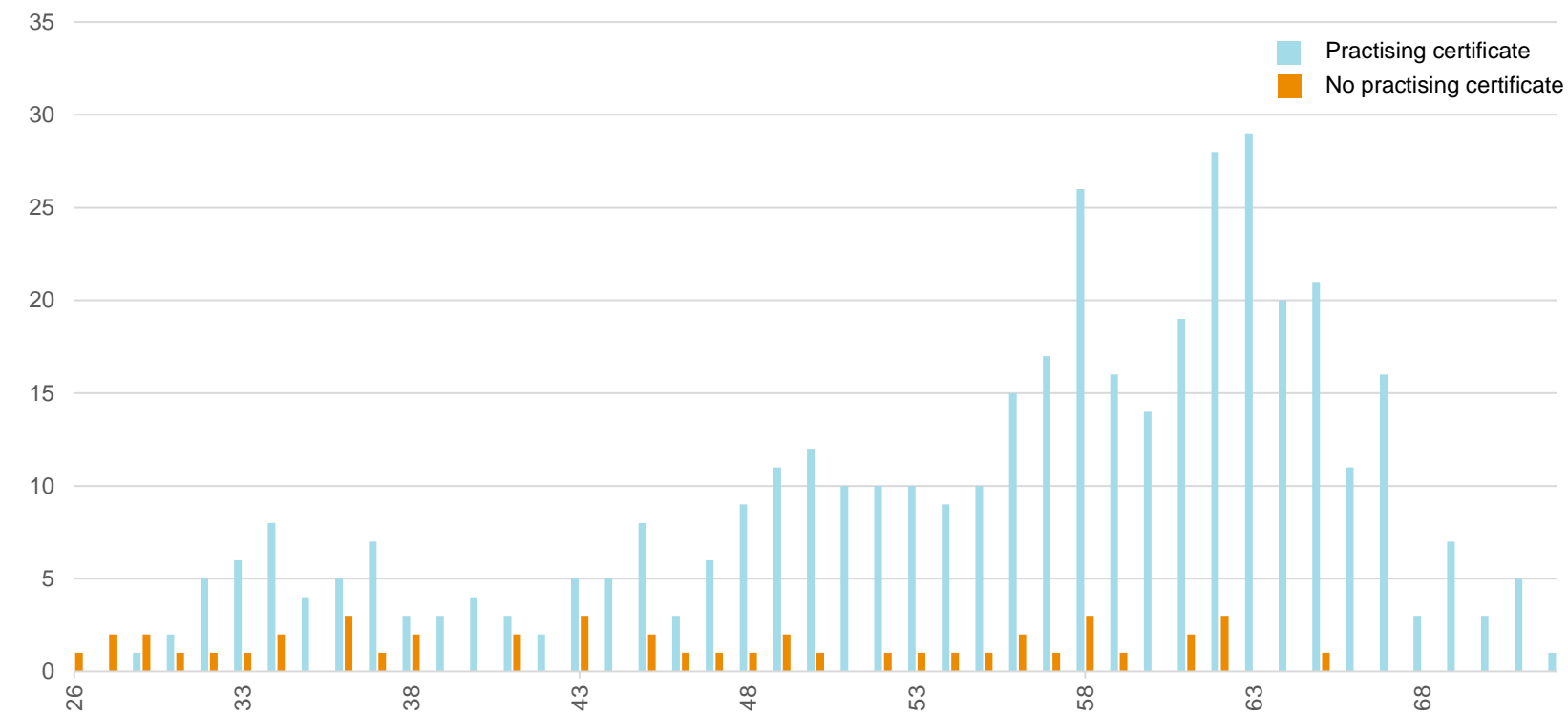
(Data sources: Dental register & previous workforce reports)

Table 3-4. Age of dental therapists by practising certificate status, as at 31 March 2019

Age bands	Practising certificate (%)	No practising certificate (%)
25 - 29	—	3 (6.5)
30 - 34	22 (5.3)	7 (15.2)
35 - 39	22 (5.3)	6 (13.0)
40 - 44	19 (4.6)	5 (10.9)
45 - 49	37 (9.0)	7 (15.2)
50 - 54	51 (12.4)	4 (8.7)
55 - 59	84 (20.4)	8 (17.4)
60 - 64	110 (26.7)	5 (10.9)
65 - 69	58 (14.1)	1 (2.2)
70 - 74	9 (2.2)	—
Total	<b>412</b>	<b>46</b>

(Data source: Dental register)

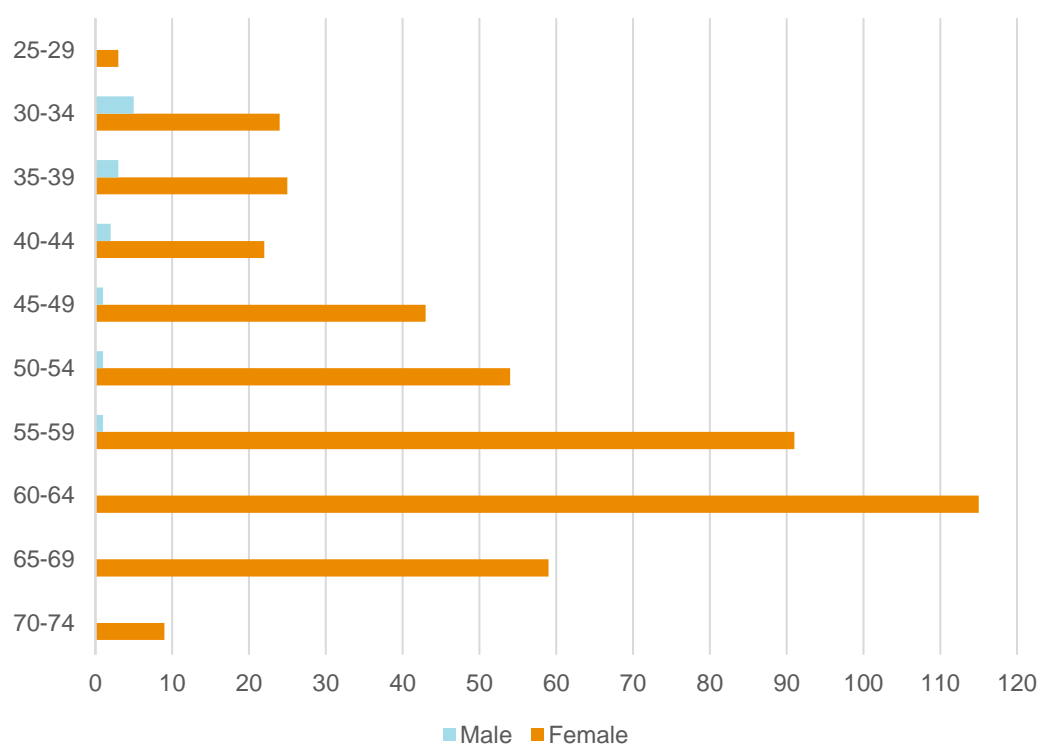
Figure 3-3. Age of dental therapists by practising certificate status, as at 31 March 2019



(Data source: Dental register)



Figure 3-4. Age of registered dental therapists by gender, as at 31 March 2019



(Data source: Dental register)

Table 3-5. Gender of dental therapists by practising certificate status

	Gender	Practising certificate (%)	No practising certificate (%)	Total (%)
2018	Female	448 (97.8)	44 (91.7)	492 (97.2)
	Male	10 (2.2)	4 (8.3)	14 (2.8)
	Total	<b>458 (90.5)</b>	<b>48 (9.5)</b>	<b>506</b>
2019	Female	401 (97.3)	44 (95.7)	445 (97.2)
	Male	11 (2.7)	2 (4.3)	13 (2.8)
	Total	<b>412 (90.0)</b>	<b>46 (10.0)</b>	<b>458</b>

(Data source: Dental register)

Table 3-6. Self-identification of ethnicity by practising dental therapists based on 2019 data

<b>Ethnicity</b>	<b>Count<sup>a</sup></b>	<b>Ethnicity</b>	<b>Count</b>
Māori	51 (12.4)	English	1 (0.2)
New Zealand European	336 (81.6)	Hungarian	1 (0.2)
New Zealander	17 (4.1)	Japanese	1 (0.2)
Chinese	12 (2.9)	Latin American	1 (0.2)
Indian	9 (2.2)	Malay	1 (0.2)
Samoan	6 (1.5)	Malaysian Chinese	1 (0.2)
Dutch	4 (1.0)	Other Ethnicity	1 (0.2)
European	4 (1.0)	Pacific Peoples	1 (0.2)
Fijian	4 (1.0)	Russian	1 (0.2)
Niuean	4 (1.0)	South African European	1 (0.2)
British	3 (0.7)	Tokelauan	1 (0.2)
Korean	3 (0.7)	Tongan	1 (0.2)
South African	2 (0.5)	Unstated	5 (1.2)
Thai	2 (0.5)	<b>TOTAL<sup>b</sup></b>	<b>481</b>
Vietnamese	2 (0.5)		
African American	1 (0.2)		
Australian	1 (0.2)		
Cook Islands Māori	1 (0.2)		
Croatian	1 (0.2)		
Danish	1 (0.2)		

<sup>a</sup> Denominator used for percentage values is total practising dental therapists

<sup>b</sup> Total is greater than number of practising dental therapists due to self-identification of multiple ethnicities  
(Data sources: Workforce survey)

Table 3-7. Country of registration qualification for practising dental therapists

Country of qualification	2018 (%) <sup>a</sup>	2019 (%)
New Zealand	450 (55.7)	417 (56.0)
Overseas	15 (1.9)	14 (1.9)
Undefined <sup>b</sup>	343 (42.5)	314 (42.1)
Total <sup>c</sup>	<b>808</b>	<b>745</b>
Breakdown of overseas qualifications		
	(%) <sup>a</sup>	(%)
Australia	3 (0.4)	3 (0.4)
Fiji	6 (0.7)	6 (0.8)
Hong Kong	1 (0.1)	1 (0.1)
India	2 (0.2)	1 (0.1)
South Africa	1 (0.1)	1 (0.1)
United Kingdom	2 (0.2)	2 (0.3)

<sup>a</sup> Percentages calculated from totals inclusive of New Zealand qualifications

<sup>b</sup> Where no specific country is specified against a qualification (for example where the prescribed qualification requires registration in a specific jurisdiction, or approved experienced formed part of the prescribed qualification equivalency assessment)

<sup>c</sup> Multiple qualifications per practitioner and from the same country can apply  
(Data source: Dental register)

Table 3-8. Overseas qualified dental therapists with practising certificates—type of New Zealand registration pathway by year, as at 31 March 2019

Year of first registration in New Zealand	NZDTREX (%)	Overseas qualification equivalency assessed (%)	Trans-Tasman Mutual Recognition (%)
2004	—	1 (16.7)	—
2005	—	1 (16.7)	—
2006	3 (23.1)	1 (16.7)	—
2007	4 (30.8)	—	—
2008	—	—	—
2009	1 (7.7)	1 (16.7)	—
2010	—	1 (16.7)	—
2011	1 (7.7)	1 (16.7)	—
2012	2 (15.4)	—	—
2013	1 (7.7)	—	—
2014	1 (7.7)	—	—
2015	—	—	2 (50.0)
2016	—	—	—
2017	—	—	2 (50.0)
2018	—	—	—
2019	—	—	—
<b>Total</b>	<b>13</b>	<b>6</b>	<b>4</b>

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

Table 3-9. Type of primary employment of practising dental therapists

		Number (%)	Total %
2018	Self-employed		
	Solo practice	23 (43.4)	5.0
	Group practice	30 (56.6)	6.6
	Subtotal	<b>53</b>	<b>11.6</b>
	Employee		
	Private practice	52 (16.0)	11.4
	DHB	262 (80.9)	57.2
	Universities	6 (1.9)	1.3
	Iwi	2 (0.6)	0.4
	Ministry of Health	1 (0.3)	0.2
	Other government department, not MOH	1 (0.3)	0.2
	Subtotal	<b>324</b>	<b>70.7</b>
	Other forms of employment	4	0.9
2019	Practising overseas	9	2.0
	No reply to question	68	14.8
	Total	<b>458</b>	
	Self-employed		
	Solo practice	1 (9.1)	0.2
	Group practice	10 (90.9)	2.4
	Subtotal	<b>11</b>	<b>2.7</b>
	Employee		
	Private practice	30 (8.2)	7.3
	DHB	325 (88.3)	78.9
	Universities	11 (3.0)	2.7
	Iwi	2 (0.5)	0.5
	Subtotal	<b>368</b>	<b>89.3</b>
	Other forms of employment	2	0.5
	No reply to question	31	7.5
	Total	<b>412</b>	

(Data source: Workforce survey)

Table 3-10. Practising pattern reported by dental therapists during workforce reporting year

Employment status		Practising certificate (%)	No practising certificate (%)	Total (%)
2018	Practising in New Zealand	378 (98.7)	—	378 (93.3)
	Practising overseas	—	10 (45.5)	10 (2.5)
	Overseas and not practising	1 (0.3)	4 (18.2)	5 (1.2)
	In NZ but not practising	4 (1.0)	8 (36.4)	12 (3.0)
	<b>Total</b>	<b>383 (94.6)</b>	<b>22 (5.4)</b>	<b>405</b>
	Not stated	75	26	101
2019	Practising in New Zealand	377 (97.7)	—	377 (91.5)
	Practising overseas	—	12 (46.2)	12 (2.9)
	Overseas and not practising	2 (0.5)	8 (30.8)	10 (2.4)
	In NZ but not practising	7 (1.8)	6 (23.1)	13 (3.2)
	<b>Total</b>	<b>386 (93.7)</b>	<b>26 (6.3)</b>	<b>412</b>
	Not stated	26	20	46

(Data source: Workforce survey)

Table 3-11. Total number of hours worked per week by dental therapists practising in New Zealand

Number of hours worked	2018	2019
1 to 10	9 (2.5)	5 (1.4)
11 to 20	50 (13.8)	25 (7.0)
21 to 30	101 (27.8)	90 (25.4)
31 to 40	199 (54.8)	228 (64.2)
41 to 50	3 (0.8)	6 (1.7)
51 to 60	—	—
More than 60	1 (0.3)	1 (0.3)
Number giving data on hours	363	355
Mean no. of hours/week (SD)	30.5 (8.8)	32.7 (8.1)
No response or excluded	95	57
Total	<b>458</b>	<b>412</b>

(Data source: Workforce survey)



Table 3-12. Reasons for part-time practice by dental therapists practising in New Zealand

	Reason for practising part-time	Females (%)	Males (%)	Total (%)
2018	Engaged in non-dental work	5 (3.0)	—	5 (3.0)
	Insufficient dental work	9 (5.5)	—	9 (5.4)
	Semi-retired	11 (6.7)	—	11 (6.6)
	Parental responsibilities	25 (15.2)	2 (66.7)	27 (16.2)
	Personal choice	92 (56.1)	1 (33.3)	93 (55.7)
	Studying	1 (0.6)	—	1 (0.6)
	Health issues	4 (2.4)	—	4 (2.4)
	Other	17 (10.4)	—	17 (10.2)
	<b>Total working part time</b>	<b>164 (98.2)</b>	<b>3 (1.8)</b>	<b>167</b>
2019	Engaged in non-dental work	3 (2.6)	1 (33.3)	4 (3.4)
	Semi-retired	6 (5.2)	—	6 (5.0)
	Personal choice	94 (81.0)	1 (33.3)	95 (79.8)
	Studying	1 (0.9)	—	1 (0.8)
	Other	12 (10.3)	1 (33.3)	13 (10.9)
	<b>Total working part time</b>	<b>116 (97.5)</b>	<b>3 (2.5)</b>	<b>119</b>

(Data source: Workforce survey)

Table 3-13. Work by practice and employment type for dental therapists, by primary and secondary employer for 2018

	Dental therapy		Teaching <sup>a</sup>		Administration <sup>a</sup>	
	No. <sup>b</sup>	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-employed, solo practice)	3	26.0 (13.1)	—	—	—	—
Private practice (self-employed, group practice)	3	21.0 (5.6)	—	—	1	40.0
Private practice (employee)	10	31.7 (12.7)	—	—	—	—
DHB or MOH	298	32.6 (7.8)	—	—	14	31.4 (8.8)
Iwi	3	40.0	—	—	—	—
Universities	2	35.0 (7.1)	3	40.0	1	18.8
Other	3	27.7 (10.8)	—	—	—	—
Total number	<b>322</b>	<b>32.5 (8.1)</b>	<b>3</b>	<b>40.0</b>	<b>16</b>	<b>31.1 (9.1)</b>
Secondary employer						
Private practice (employee)	5	8.4 (5.0)	—	—	—	—
DHB	4	23.5 (14.3)	—	—	4	26.8 (17.5)
MOH	—	—	—	—	1	8.0
Universities	—	—	1	3.0	—	—
Total number	<b>9</b>	<b>15.1 (12.3)</b>	<b>1</b>	<b>3.0</b>	<b>5</b>	<b>23.0 (17.3)</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Practitioners reporting working no hours or more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 3-14. Work by practice and employment type for dental therapists, by primary and secondary employer for 2019

	Dental therapy		Teaching <sup>a</sup>		Administration <sup>a</sup>	
	No. <sup>b</sup>	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-employed, solo practice)	1	25.0	—	—	—	—
Private practice (self-employed, group practice)	6	20.0 (7.0)	—	—	—	—
Private practice (employee)	12	25.8 (11.6)	—	—	—	—
DHB or MOH	288	32.0 (7.7)	1	20.0	28	27.4 (8.2)
Universities	5	23.8 (9.5)	3	24.3 (13.7)	—	—
Iwi	2	35.0 (7.1)	—	—	—	—
Total number	<b>314</b>	<b>31.4 (8.2)</b>	<b>4</b>	<b>23.3 (11.4)</b>	<b>28</b>	<b>27.4 (8.2)</b>
Secondary employer						
Private practice (self-employed, group practice)	—	—	—	—	1	5.0
Private practice (employee)	3	6.7 (3.1)	1	4.0	2	2.0
Universities	2	9.5 (7.8)	1	16.0	—	—
Total number	<b>5</b>	<b>7.8 (4.7)</b>	<b>2</b>	<b>10.0 (8.5)</b>	<b>3</b>	<b>3.0 (1.7)</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Practitioners reporting working no hours or more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 3-15. Geographic distribution of practising dental therapists by Territorial Authority (TA)

TA area	2018		2019	
	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]
Far North	10 (2.2)	6.2 [247.9]	9 (2.2)	6.6 [265.0]
Whangarei	12 (2.6)	8.1 [324.3]	11 (2.7)	8.4 [336.0]
Kaipara	2 (0.4)	0.9 [36.3]	3 (0.7)	2.6 [103.0]
Auckland unitary authority	126 (27.5)	79.0 [3158.3]	109 (26.5)	77.8 [3113.0]
Thames-Coromandel District	3 (0.7)	2.3 [90.0]	3 (0.7)	2.3 [90.0]
Hauraki District	—	—	—	—
Waikato District	2 (0.4)	1.6 [65.0]	3 (0.7)	2.2 [87.0]
Matamata-Piako District	3 (0.7)	1.3 [52.4]	3 (0.7)	2.3 [93.0]
Hamilton City	18 (3.9)	13.5 [541.2]	18 (4.4)	11.5 [458.5]
Waipa District	4 (0.9)	2.9 [115.4]	3 (0.7)	3.0 [120.0]
Otorohanga District	—	—	—	—
South Waikato District	1 (0.2)	0.9 [35.0]	1 (0.2)	0.9 [35.0]
Waitomo District	1 (0.2)	0.9 [37.0]	1 (0.2)	0.9 [37.0]
Taupo District	4 (0.9)	3.1 [125.0]	4 (1.0)	2.6 [102.0]
Western Bay of Plenty District	2 (0.4)	1.0 [38.0]	3 (0.7)	2.5 [98.0]
Tauranga City	25 (5.5)	20.7 [827.0]	25 (6.1)	21.7 [866.0]
Rotorua District	16 (3.5)	10.2 [408.5]	15 (3.6)	11.6 [464.0]
Whakatane District	2 (0.4)	1.9 [76.0]	3 (0.7)	2.7 [108.0]
Kawerau District	—	—	—	—
Opotiki District	2 (0.4)	0.8 [30.0]	1 (0.2)	0.7 [28.0]
Gisborne District	3 (0.7)	2.6 [104.0]	4 (1.0)	3.6 [143.0]
Wairoa District	2 (0.4)	1.4 [54.0]	3 (0.7)	2.4 [96.0]
Hastings District	15 (3.3)	9.8 [392.0]	12 (2.9)	9.7 [388.4]
Napier City	7 (1.5)	4.4 [175.4]	6 (1.5)	4.8 [191.3]
Central Hawke's Bay District	1 (0.2)	0.8 [31.5]	1 (0.2)	0.9 [35.0]
New Plymouth District	12 (2.6)	7.3 [293.0]	8 (1.9)	5.8 [230.0]
Stratford District	—	—	—	—
South Taranaki District	3 (0.7)	1.7 [67.5]	4 (1.0)	1.9 [74.0]
Ruapehu District	3 (0.7)	2.1 [84.3]	3 (0.7)	2.1 [85.0]
Wanganui District	12 (2.6)	9.3 [370.8]	12 (2.9)	9.0 [359.0]
Rangitikei District	2 (0.4)	1.3 [50.0]	2 (0.5)	1.2 [49.0]
Manawatu District	3 (0.7)	1.9 [75.0]	2 (0.5)	1.9 [75.0]
Palmerston North City	13 (2.8)	6.7 [269.0]	12 (2.9)	8.9 [355.0]
Tararua District	3 (0.7)	2.4 [95.7]	3 (0.7)	2.4 [96.0]
Horowhenua District	—	—	1 (0.2)	1.0 [38.0]
Kapiti Coast District	4 (0.9)	3.1 [122.0]	5 (1.2)	3.5 [141.0]
Porirua City	4 (0.9)	2.8 [112.0]	4 (1.0)	2.6 [104.0]
Upper Hutt City	2 (0.4)	0.5 [20.0]	2 (0.5)	1.4 [56.0]

	2018		2019	
TA area	Number of dental therapists (%)	FTE [N reporting hours]	Number of dental therapists (%)	FTE [N reporting hours]
Lower Hutt City	15 (3.3)	8.2 [327.0]	14 (3.4)	9.7 [388.0]
Wellington City	8 (1.7)	5.6 [222.0]	8 (1.9)	7.8 [312.0]
Masterton District	5 (1.1)	1.7 [69.0]	3 (0.7)	2.6 [103.0]
Carterton District	1 (0.2)	1.0 [40.0]	1 (0.2)	1.0 [40.0]
South Wairarapa District	—	—	—	—
Tasman District	6 (1.3)	4.7 [188.0]	6 (1.5)	4.2 [166.0]
Nelson City	5 (1.1)	2.9 [114.0]	5 (1.2)	1.7 [66.0]
Marlborough District	5 (1.1)	2.3 [92.0]	5 (1.2)	3.5 [138.0]
Kaikoura District	—	—	—	—
Buller District	1 (0.2)	1.0 [40.0]	1 (0.2)	1.0 [40.0]
Grey District	2 (0.4)	1.4 [55.5]	2 (0.5)	1.8 [73.0]
Westland District	1 (0.2)	1.0 [40.0]	—	—
Hurunui District	1 (0.2)	0.4 [17.5]	1 (0.2)	0.4 [17.0]
Waimakariri District	4 (0.9)	3.1 [123.0]	4 (1.0)	2.9 [114.0]
Christchurch City	29 (6.3)	21.9 [876.4]	31 (7.5)	24.4 [975.3]
Selwyn District	2 (0.4)	1.4 [56.0]	2 (0.5)	1.0 [41.0]
Ashburton District	1 (0.2)	0.7 [28.0]	1 (0.2)	1.0 [40.0]
Timaru District	8 (1.7)	2.8 [113.2]	5 (1.2)	3.0 [120.0]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	1 (0.2)	0.4 [16.0]	1 (0.2)	0.6 [23.0]
Central Otago District	—	—	—	—
Queenstown-Lakes District	4 (0.9)	2.6 [104.0]	3 (0.7)	2.4 [96.0]
Dunedin City	15 (3.3)	10.1 [405.0]	13 (3.1)	11.9 [474.0]
Clutha District	1 (0.2)	0.6 [24.0]	1 (0.2)	0.6 [24.0]
Southland District	1 (0.2)	0.8 [32.0]	1 (0.2)	0.8 [32.0]
Gore District	1 (0.2)	1.0 [40.0]	1 (0.2)	—
Invercargill City	4 (0.9)	3.0 [120.0]	4 (1.0)	3.0 [120.0]
Area outside of TA	11 (2.4)	1.8 [72.0]	—	—
TA code not available	4 (0.9)	1.9 [74.0]	—	—
<b>Total</b>	<b>458</b>	<b>295.3 [11,812]</b>	<b>412</b>	<b>308.0 [12,321]</b>

Note: FTE = Full time equivalent

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

Table 3-16. Population to practising dental therapists and FTE ratios by TA, for 2018

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- dental therapist ratio	Dental therapist per 100,000 population aged <15	Population aged <15 years-to- FTE-dental therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>
Far North	67,900	14,500	1,450.0	69.0	2,340.1	42.7
Whangarei	94,100	19,500	1,625.0	61.5	2,405.6	41.6
Kaipara	23,700	4,600	2,300.0	43.5	5,075.9	19.7
Auckland	1,654,800	324,100	2,572.2	38.9	4,104.7	24.4
Thames-Coromandel District	30,700	4,600	1,533.3	65.2	2,044.4	48.9
Hauraki District	20,700	3,800	—	—	—	—
Waikato District	78,200	18,000	9,000.0	11.1	11,076.9	9.0
Matamata-Piako District	35,300	7,100	2,366.7	42.3	5,415.7	18.5
Hamilton City	168,600	35,400	1,966.7	50.8	2,616.4	38.2
Waipa District	55,000	11,200	2,800.0	35.7	3,882.1	25.8
Otorohanga District	10,500	2,350	—	—	—	—
South Waikato District	24,800	5,700	5,700.0	17.5	6,514.3	15.4
Waitomo District	9,630	2,110	2,110.0	47.4	2,281.1	43.8
Taupo District	38,600	7,800	1,950.0	51.3	2,496.0	40.1
Western Bay of Plenty District	53,400	9,800	4,900.0	20.4	10,315.8	9.7
Tauranga City	142,000	28,200	1,128.0	88.7	1,364.0	73.3
Rotorua District	74,800	16,400	1,025.0	97.6	1,605.9	62.3
Whakatane District	37,100	8,200	4,100.0	24.4	4,315.8	23.2
Kawerau District	7,460	1,760	—	—	—	—
Opotiki District	9,670	2,140	1,070.0	93.5	2,853.3	35.0
Gisborne District	49,500	11,600	3,866.7	25.9	4,461.5	22.4
Wairoa District	8,720	2,020	1,010.0	99.0	1,496.3	66.8
Hastings District	84,700	18,100	1,206.7	82.9	1,846.9	54.1
Napier City	64,200	12,500	1,785.7	56.0	2,850.6	35.1
Central Hawke's Bay District	14,650	3,050	3,050.0	32.8	3,873.0	25.8
New Plymouth District	83,300	16,800	1,400.0	71.4	2,293.5	43.6
Stratford District	9,710	2,070	—	—	—	—
South Taranaki District	28,300	6,300	2,100.0	47.6	3,733.3	26.8
Ruapehu District	12,750	2,800	933.3	107.1	1,328.3	75.3
Wanganui District	46,800	9,100	758.3	131.9	981.7	101.9
Rangitikei District	15,450	3,150	1,575.0	63.5	2,520.0	39.7
Manawatu District	31,100	6,400	2,133.3	46.9	3,413.3	29.3
Palmerston North City	88,300	17,200	1,323.1	75.6	2,557.6	39.1
Taranua District	18,450	3,900	1,300.0	76.9	1,630.4	61.3
Horowhenua District	34,500	6,300	—	—	—	—
Kapiti Coast District	55,200	9,500	2,375.0	42.1	3,114.8	32.1

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- dental therapist ratio	Dental therapist per 100,000 population aged <15	Population aged <15 years-to- FTE-dental therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>
Porirua City	58,900	13,700	3,425.0	29.2	4,892.9	20.4
Upper Hutt City	45,400	8,700	4,350.0	23.0	17,400.0	5.7
Lower Hutt City	108,600	21,600	1,440.0	69.4	2,642.2	37.8
Wellington City	211,200	33,300	4,162.5	24.0	6,000.0	16.7
Masterton District	26,400	5,000	1,000.0	100.0	2,898.6	34.5
Carterton District	9,510	1,780	1,780.0	56.2	1,780.0	56.2
South Wairarapa District	10,900	1,950	—	—	—	—
Tasman District	54,000	9,600	1,600.0	62.5	2,042.6	49.0
Nelson City	52,700	9,200	1,840.0	54.3	3,228.1	31.0
Marlborough District	48,700	8,400	1,680.0	59.5	3,652.2	27.4
Kaikoura District	4,060	650	—	—	—	—
Buller District	9,850	1,610	1,610.0	62.1	1,610.0	62.1
Grey District	13,750	2,600	1,300.0	76.9	1,873.9	53.4
Westland District	8,830	1,450	1,450.0	69.0	1,450.0	69.0
Hurunui District	12,950	2,450	2,450.0	40.8	5,600.0	17.9
Waimakariri District	61,300	11,600	2,900.0	34.5	3,772.4	26.5
Christchurch City	383,800	65,100	2,244.8	44.5	2,971.2	33.7
Selwyn District	63,300	13,800	6,900.0	14.5	9,857.1	10.1
Ashburton District	34,600	7,000	7,000.0	14.3	10,000.0	10.0
Timaru District	47,600	8,400	1,050.0	95.2	2,968.2	33.7
Mackenzie District	5,100	840	840.0	119.0	—	—
Waimate District	8,120	1,390	—	—	—	—
Chatham Islands Territory	690	110	27.5	3,636.4	—	—
Waitaki District	22,900	4,200	4,200.0	23.8	10,500.0	9.5
Central Otago District	22,200	3,700	—	—	—	—
Queenstown-Lakes District	42,500	6,700	1,675.0	59.7	2,576.9	38.8
Dunedin City	131,200	20,300	1,353.3	73.9	2,004.9	49.9
Clutha District	18,050	3,400	3,400.0	29.4	5,666.7	17.6
Southland District	31,900	6,600	6,600.0	15.2	8,250.0	12.1
Gore District	12,800	2,450	2,450.0	40.8	2,450.0	40.8
Invercargill City	55,900	10,800	2,700.0	37.0	3,600.0	27.8
Area outside of TA	40	—	—	—	—	—
TA code not available	—	—	—	—	—	—
<b>Total <sup>c</sup></b>	<b>4,900,340</b>	<b>946,430</b>	<b>2,066.4</b>	<b>48.4</b>	<b>3,205.0</b>	<b>31.2</b>

<sup>a</sup> Population estimate as at 30 June 2018

<sup>b</sup> Where hours are reported

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

Table 3-17. Population to practising dental therapists and FTE ratios by TA, for 2019

	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	Population aged <15 years-to- dental therapist ratio	Dental therapist per 100,000 population aged <15	Population aged <15 years-to-FTE- dental therapist ratio <sup>b</sup>	FTE per 100,000 population aged <15 <sup>b</sup>
Far North	69,300	14,600	1,622.2	61.6	2,203.8	45.4
Whangarei	96,000	19,700	1,790.9	55.8	2,345.2	42.6
Kaipara	24,400	4,600	1,533.3	65.2	1,786.4	56.0
Auckland	1,680,500	328,100	3,010.1	33.2	4,215.9	23.7
Thames-Coromandel District	31,300	4,600	1,533.3	65.2	2,044.4	48.9
Hauraki District	21,000	3,900	—	—	—	—
Waikato District	80,400	18,300	6,100.0	16.4	8,413.8	11.9
Matamata-Piako District	35,800	7,100	2,366.7	42.3	3,053.8	32.7
Hamilton City	172,300	36,100	2,005.6	49.9	3,149.4	31.8
Waipa District	56,300	11,500	3,833.3	26.1	3,833.3	26.1
Otorohanga District	10,600	2,350	—	—	—	—
South Waikato District	25,100	5,700	5,700.0	17.5	6,514.3	15.4
Waitomo District	9,650	2,100	2,100.0	47.6	2,270.3	44.0
Taupo District	39,300	7,800	1,950.0	51.3	3,058.8	32.7
Western Bay of Plenty District	54,800	9,900	3,300.0	30.3	4,040.8	24.7
Tauranga City	146,200	28,900	1,156.0	86.5	1,334.9	74.9
Rotorua District	75,800	16,600	1,106.7	90.4	1,431.0	69.9
Whakatane District	37,600	8,300	2,766.7	36.1	3,074.1	32.5
Kawerau District	7,600	1,780	—	—	—	—
Opotiki District	9,850	2,180	2,180.0	45.9	3,114.3	32.1
Gisborne District	50,100	11,700	2,925.0	34.2	3,272.7	30.6
Wairoa District	8,810	2,050	683.3	146.3	854.2	117.1
Hastings District	86,100	18,200	1,516.7	65.9	1,874.4	53.4
Napier City	65,200	12,600	2,100.0	47.6	2,635.3	37.9
Central Hawke's Bay District	14,900	3,100	3,100.0	32.3	3,542.9	28.2
New Plymouth District	84,600	17,100	2,137.5	46.8	2,973.9	33.6
Stratford District	9,810	2,100	—	—	—	—
South Taranaki District	28,500	6,300	1,575.0	63.5	3,405.4	29.4
Ruapehu District	12,750	2,800	933.3	107.1	1,317.6	75.9
Wanganui District	47,300	9,200	766.7	130.4	1,025.1	97.6
Rangitikei District	15,550	3,150	1,575.0	63.5	2,571.4	38.9
Manawatu District	31,600	6,500	3,250.0	30.8	3,466.7	28.8
Palmerston North City	89,100	17,400	1,450.0	69.0	1,960.6	51.0
Tararua District	18,650	3,900	1,300.0	76.9	1,625.0	61.5
Horowhenua District	35,300	6,400	6,400.0	15.6	6,736.8	14.8
Kapiti Coast District	56,000	9,500	1,900.0	52.6	2,695.0	37.1



Porirua City	59,800	13,700	3,425.0	29.2	5,269.2	19.0
Upper Hutt City	46,100	8,800	4,400.0	22.7	6,285.7	15.9
Lower Hutt City	109,800	21,700	1,550.0	64.5	2,237.1	44.7
Wellington City	213,100	32,900	4,112.5	24.3	4,217.9	23.7
Masterton District	26,900	5,100	1,700.0	58.8	1,980.6	50.5
Carterton District	9,710	1,800	1,800.0	55.6	1,800.0	55.6
South Wairarapa District	11,100	1,950	—	—	—	—
Tasman District	55,100	9,500	1,583.3	63.2	2,289.2	43.7
Nelson City	53,600	9,300	1,860.0	53.8	5,636.4	17.7
Marlborough District	49,400	8,500	1,700.0	58.8	2,463.8	40.6
Kaikoura District	4,120	670	—	—	—	—
Buller District	9,720	1,530	1,530.0	65.4	1,530.0	65.4
Grey District	13,750	2,600	1,300.0	76.9	1,424.7	70.2
Westland District	8,840	1,440	—	—	—	—
Hurunui District	13,100	2,500	2,500.0	40.0	5,882.4	17.0
Waimakariri District	62,800	11,700	2,925.0	34.2	4,105.3	24.4
Christchurch City	387,700	65,400	2,109.7	47.4	2,682.4	37.3
Selwyn District	66,300	14,400	7,200.0	13.9	14,048.8	7.1
Ashburton District	35,000	7,100	7,100.0	14.1	7,100.0	14.1
Timaru District	47,900	8,500	1,700.0	58.8	2,833.3	35.3
Mackenzie District	5,270	850	850.0	117.6	—	—
Waimate District	8,180	1,360	—	—	—	—
Chatham Islands Territory	710	110	36.7	2,727.3	—	—
Waitaki District	23,200	4,100	4,100.0	24.4	7,130.4	14.0
Central Otago District	23,100	3,800	—	—	—	—
Queenstown-Lakes District	44,800	7,000	2,333.3	42.9	2,916.7	34.3
Dunedin City	132,300	20,200	1,553.8	64.4	1,704.6	58.7
Clutha District	18,150	3,400	3,400.0	29.4	5,666.7	17.6
Southland District	32,100	6,600	6,600.0	15.2	8,250.0	12.1
Gore District	12,800	2,400	2,400.0	41.7	—	—
Invercargill City	56,600	10,900	2,725.0	36.7	3,633.3	27.5
Area outside of TA	40	—	—	—	—	—
Missing TA	—	—	—	—	—	—
<b>Total <sup>c</sup></b>	<b>4,979,160</b>	<b>955,920</b>	<b>2,320.2</b>	<b>43.1</b>	<b>3,103.3</b>	<b>32.2</b>

<sup>a</sup> Population estimate as at 30 June 2019

<sup>b</sup> Where hours are reported

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

Table 3-18. Population to practising dental therapists and FTE ratios by district health board (DHB), for 2018

	No with practising certificates	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	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	24	185,800	38,600	15.2	1,608	62.2	2,538.0	39.4
Waitemata	51	615,100	119,800	31.7	2,349	42.6	3,778.4	26.5
Auckland	31	493,300	80,900	18.1	2,610	38.3	4,463.4	22.4
Counties-Manukau	44	567,000	127,900	29.1	2,907	34.4	4,391.1	22.8
Waikato	34	421,000	87,500	25.0	2,574	38.9	3,502.2	28.6
Lakes	20	113,400	24,200	13.3	1,210	82.6	1,814.4	55.1
Bay of Plenty	31	249,700	50,100	24.3	1,616	61.9	2,063.9	48.5
Tairāwhiti	3	49,500	11,600	2.6	3,867	25.9	4,461.5	22.4
Taranaki	15	121,300	25,100	9.0	1,673	59.8	2,785.0	35.9
Hawke's Bay	25	172,300	35,700	16.3	1,428	70.0	2,187.2	45.7
MidCentral	20	181,700	35,500	12.0	1,775	56.3	2,960.3	33.8
Whanganui	15	66,700	13,300	11.0	887	112.8	1,204.2	83.0
Capital and Coast	15	315,900	54,700	10.4	3,647	27.4	5,259.6	19.0
Hutt	17	153,900	30,300	8.7	1,782	56.1	3,492.8	28.6
Wairarapa	6	46,800	8,700	2.7	1,450	69.0	3,192.7	31.3
Nelson-Marlborough	16	155,500	27,200	9.9	1,700	58.8	2,761.4	36.2
West Coast	4	32,400	5,700	3.4	1,425	70.2	1,682.7	59.4
Canterbury	37	560,800	100,800	27.5	2,724	36.7	3,662.5	27.3
South Canterbury	8	60,900	10,700	2.8	1,338	74.8	3,780.9	26.4
Southern	27	337,400	58,100	18.5	2,152	46.5	3,136.3	31.9
Area outside district health board	—	200	10	—	—	—	—	—
Unknown	15	—	—	3.7	—	—	—	—
<b>Total</b>	<b>458</b>	<b>4,900,600</b>	<b>946,410</b>	<b>295.3</b>	<b>2,066.4</b>	<b>48.4</b>	<b>3,204.9</b>	<b>31.2</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals  
(Data sources: Workforce survey and Ministry of Health)

Table 3-19. Population to practising dental therapists and FTE ratios by DHB, for 2019

	No with practising certificates	Total population <sup>a</sup>	Population aged <15 years <sup>a</sup>	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	23	189,600	39,000	17.6	1,696	59.0	2,215.9	45.1
Waitemata	44	624,700	121,600	32.1	2,764	36.2	3,791.1	26.4
Auckland	25	498,100	80,800	18.7	3,232	30.9	4,332.4	23.1
Counties-Manukau	40	579,200	130,500	27.1	3,263	30.7	4,815.5	20.8
Waikato	34	428,900	88,600	24.6	2,606	38.4	3,599.8	27.8
Lakes	19	115,100	24,400	14.2	1,284	77.9	1,724.4	58.0
Bay of Plenty	32	256,100	51,100	27.5	1,597	62.6	1,858.2	53.8
Tairāwhiti	4	50,100	11,700	3.6	2,925	34.2	3,272.7	30.6
Taranaki	12	122,900	25,600	7.6	2,133	46.9	3,368.4	29.7
Hawke's Bay	22	175,000	36,000	17.8	1,636	61.1	2,026.3	49.4
MidCentral	19	184,200	35,900	15.2	1,889	52.9	2,365.7	42.3
Whanganui	15	67,400	13,400	10.7	893	111.9	1,249.4	80.0
Capital and Coast	16	319,400	54,400	12.9	3,400	29.4	4,233.5	23.6
Hutt	16	155,900	30,500	11.1	1,906	52.5	2,747.7	36.4
Wairarapa	4	47,700	8,800	3.6	2,200	45.5	2,461.5	40.6
Nelson-Marlborough	16	158,100	27,300	9.3	1,706	58.6	2,951.4	33.9
West Coast	3	32,300	5,500	2.8	1,833	54.5	1,946.9	51.4
Canterbury	39	569,700	101,800	29.7	2,610	38.3	3,429.8	29.2
South Canterbury	5	61,400	10,700	3.0	2,140	46.7	3,566.7	28.0
Southern	24	343,000	58,400	19.2	2,433	41.1	3,037.7	32.9
Area outside district health board	—	210	10	—	—	—	—	—
Unknown	—	—	—	—	—	—	—	—
<b>Total</b>	<b>412</b>	<b>4,979,010</b>	<b>956,010</b>	<b>308.0</b>	<b>2,320.4</b>	<b>43.1</b>	<b>3,103.6</b>	<b>32.2</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals  
(Data sources: Workforce survey and Ministry of Health)

Table 3-20. Postgraduate training undertaken by dental therapists

	Expected year of completion	Overall (%)
2018	2017	3 (33.3)
	2018	3 (33.3)
	2019	1 (11.1)
	Not stated/unsure	2 (22.2)
	Total in postgraduate training	<b>9</b>
2019	2018	4 (26.7)
	2019	6 (40.0)
	2020	3 (20.0)
	Not stated/unsure	2 (13.3)
	Total in postgraduate training	<b>15</b>

(Data source: Workforce survey)

Table 3-21. Areas in which postgraduate training are being undertaken, based on 2019 data

Area of study	Students
Dental therapy related	10
Dental public health	2
Health sciences	1
PhD	1
Administration	1
<b>Total</b>	<b>15</b>

(Data source: Workforce survey)

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Section 4:  
The dental hygiene and orthodontic  
auxiliary workforce

## Dental hygienists & orthodontic auxiliaries

2019  
workforce  
at a glance



398 practising

467 registered



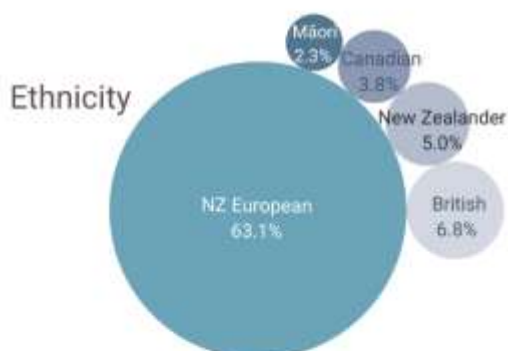
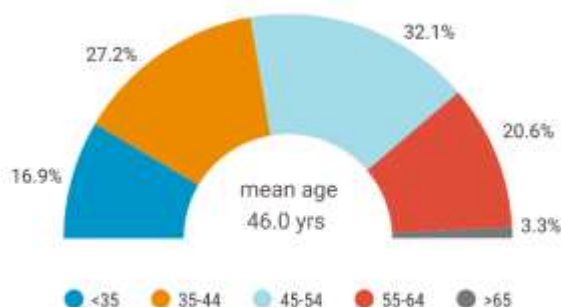
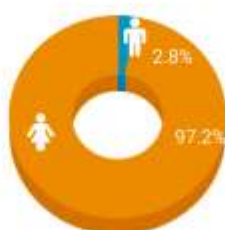
69 not practising

292 practising dental hygienists

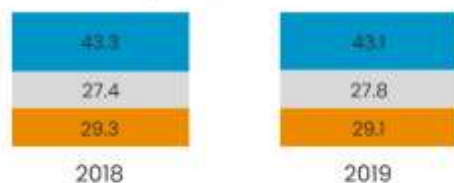


106 practising orthodontic auxiliaries

### Practising demographics



### Country of qualifications



● NZ qualification % ● Overseas qualification % ● Undefined %

### Primary employment

Self-employed 13.6%



3.3% solo practice



10.3% group practice

Employees 73.9%

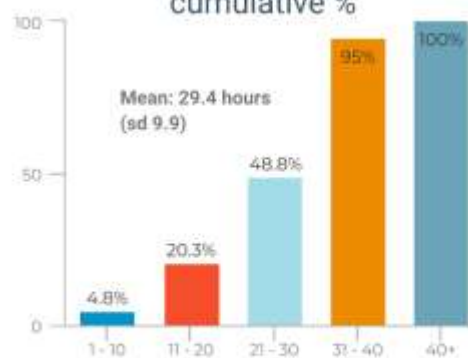


69.3% private practice



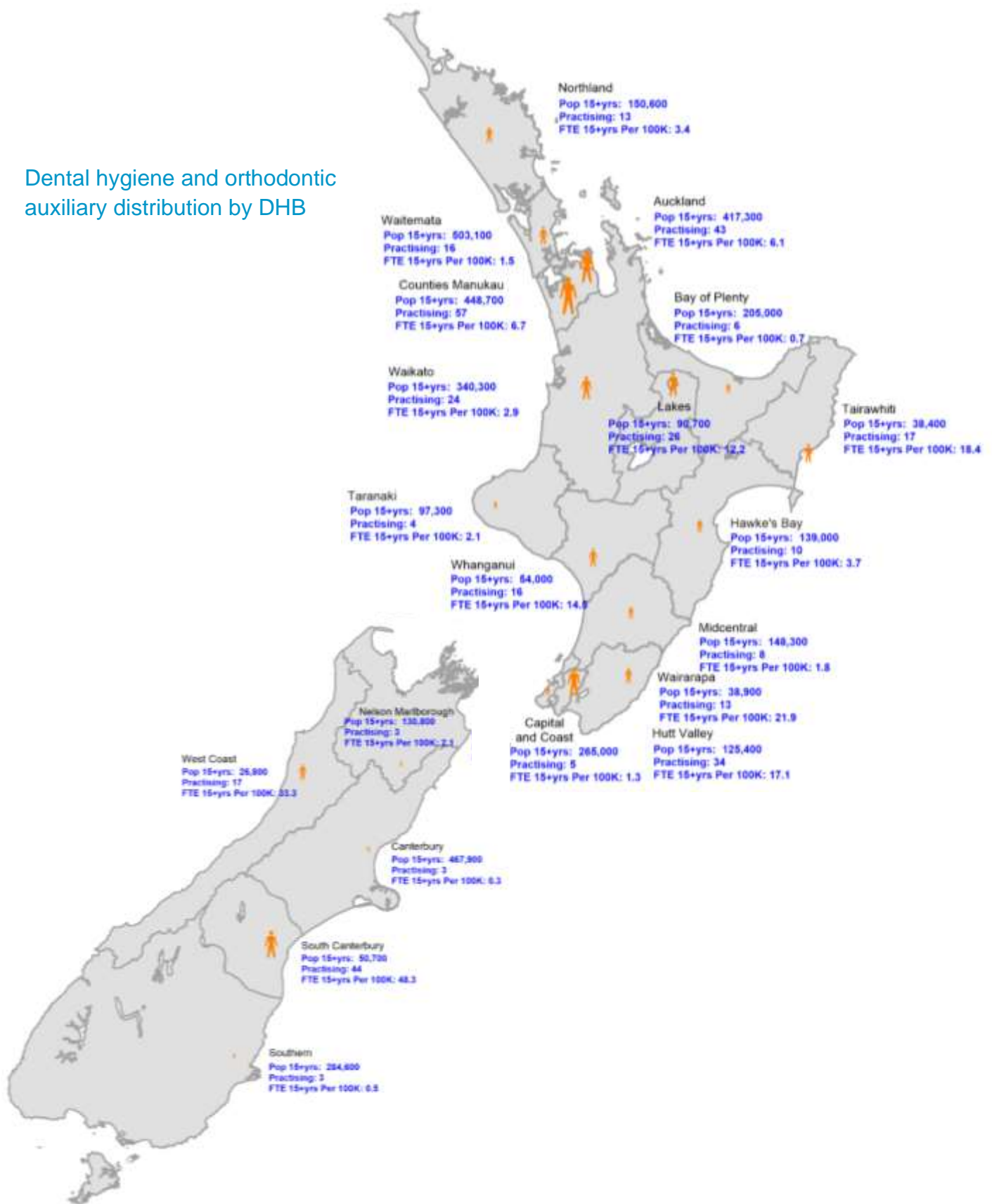
1.3% district health boards

### Hours worked cumulative %





## Dental hygiene and orthodontic auxiliary distribution by DHB



## Executive summary dental hygienists and orthodontic auxiliaries

### Number of dental hygienists and orthodontic auxiliaries

In November 2017 eligible oral health graduates were moved from dental hygiene (and dental therapy) to the oral health therapy scope of practice.

As a result, a significant shift between 2017 and 2018 numbers occurred. For this reason, direct comparison with data from 2017 and earlier should be avoided.

With no dental hygiene qualification available in New Zealand, and low numbers of overseas dental hygienists entering the profession, the decline in the dental hygiene scope of practice is expected to continue.

The total number of dental hygienists and orthodontic auxiliaries declined from 477 in 2018 to 467 in 2019 (-2.1%). Practising orthodontic auxiliaries increased to 106 in 2019 by 8.2% compared with 2018, and practising dental hygienists declined by 4.9% in the same period to 292. <sup>Table 4-1</sup>

Similar ratio (around 85%) of these practitioners held a practising certificate in 2018 and 2019.

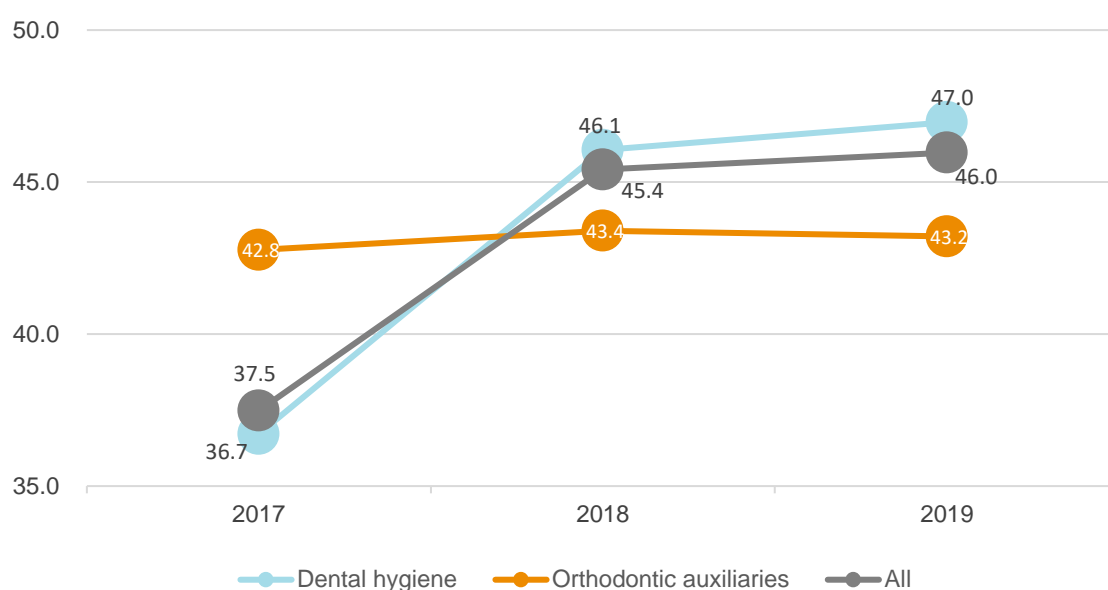
**Table 4-1. Registered hygienists and orthodontic auxiliaries**

	2017	2018	% YoY	2019
Dental hygienists with practising certificates	784	307	-4.9	292
Orthodontic auxiliaries with practising certificates	113	98	8.2	106
Dental hygienists without practising certificates	54	61	-21.3	48
Orthodontic auxiliaries without practising certificates	1	11	90.9	21
Total	952	477	-2.1	467

### Demographics

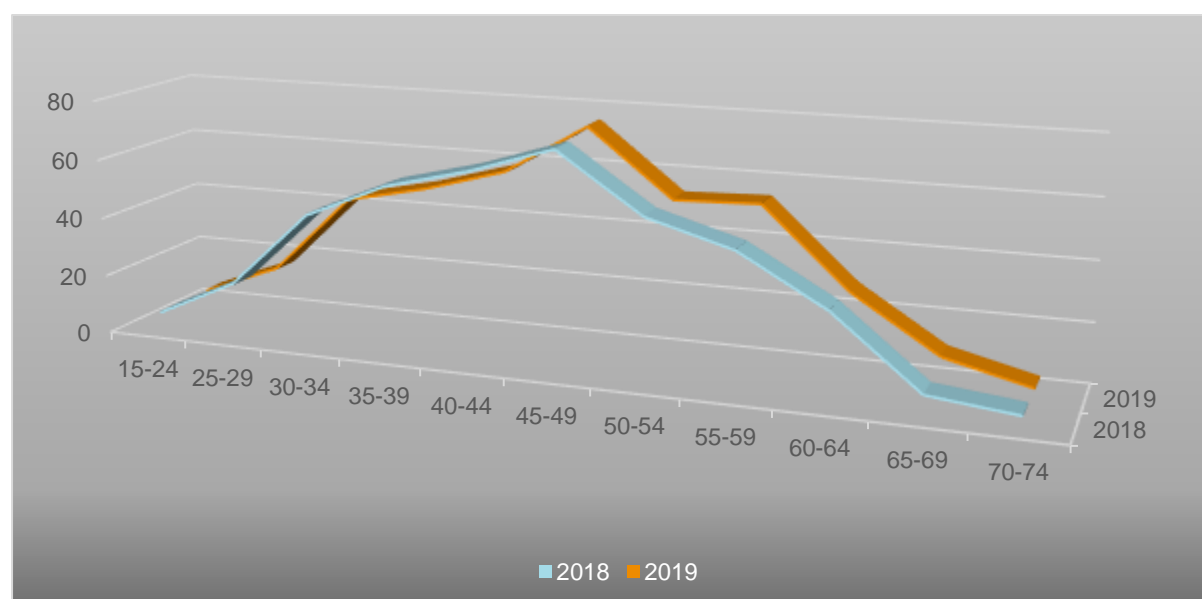
With the move of the oral health graduates from dental hygiene the mean age moved from 37.5 in 2017 to 46.0. The mean age for orthodontic auxiliaries only increased marginally to 43.2 from 42.8 over the same period. <sup>Figure 4-1</sup>

Figure 4-1. Mean age of practising dental hygienists and orthodontic auxiliaries



The age distribution shows the impact of the move of younger oral health graduates from the dental hygiene scope of practice. We find the majority of dental hygienists and orthodontic auxiliaries in the 30 to 59 age bands, with a sharp decline after 60 with only 13 (3.3%) practising in the over 65 age bands. Figure 4-2, Table 4-4

Figure 4-2. Age band distribution of practising dental hygienists and orthodontic auxiliaries



Males practising in this practitioner group continued to remain marginal (2.8%) in proportion to females in 2019. Table 4-5

The ethnicity reported by dental hygienists and orthodontic auxiliaries did not reflect the population ratios in New Zealand<sup>4</sup>. In 2019, the largest groups were NZ European (63.1%), with Māori 2.3% of those practising. Other ethnicities reported included British (6.8%), New Zealander (5.0%), Canadian and South African (3.8%), and Fillipino (3.3%). Table 4-6

<sup>4</sup> 2018 Stats NZ census data: <https://www.stats.govt.nz/news/new-zealands-population-reflects-growing-diversity>

## Registration

Overseas qualifications accounted for 31.7% of the dental hygiene qualifications, with 37.0% New Zealand qualifications. With the prescribed qualification cleansing, a new category 'undefined' (31.3%), is reported. This primarily represents workplace training and experiences, not formal qualifications.

For orthodontic auxiliaries, overseas qualifications represent 16.4% of the qualifications.

For dental hygienists the largest overseas countries represented were UK (11.7%), USA (5.1%), and Canada (4.3%). For orthodontic auxiliaries, the largest qualification country was the United States of America (9.0%), due to the USA-based online component of the New Zealand Association of Orthodontists' orthodontic auxiliary training programme. Table 4-8

Based on the 2019 data of overseas qualified dental hygienists with a practising certificate, 89.0% had an overseas prescribed qualification or a qualification considered equivalent to the New Zealand prescribed qualifications. Entering on the basis of registration in Australia (TTMR) made up 9.0% of overseas registrations. Table 4-9

## Practising characteristics

The reported type of primary employment showed a greater shift to employees. Self-employment made up 13.6%, with 73.9% reporting being employees. Most employees (276) continued to work in private practice (93.9% of employees 2019), with other employment groups showing single digits numbers and percentages. Table 4-10

Using a 40 hour work week as a norm, it was found that 95.0% of dental hygienists and orthodontic auxiliaries reported worked 40 hours or less per week which is slightly more than in 2017 (92.4%). In 2019, the average number of hours of work per week reported was 29.4 (sd 9.9). Table 4-12

The dental hygienists and orthodontic auxiliaries with the highest reported mean hours of work in 2019 were those in other government departments performing dental hygiene (37.0) and teaching (40.0). Private practice employees reported performing: dental hygiene (26.6) and orthodontic auxiliary (30.3) average hours per week. Table 4-15

Of the 132 reporting working part-time in 2019, 96 reported personal choice (72.7%) - similar to the 2017 combined personal choice and parental responsibilities. Table 4-13

## Geographical distribution

The highest ratio of FTEs per 100K over 15 years of age was Nelson City (14.3) and the lowest of those with reported FTEs, Waitaki District (0.8). There were still 28 out of the 67 TAs where no dental hygiene and orthodontic auxiliary practice was reported in 2019. Table 4-19

Analysing DHBs in 2019 showed the highest ratio of FTEs per 100K population over 15 years of age was in South Canterbury (48.3) and the lowest was in Canterbury (0.3). Table 4-21

## Postgraduate studies

There were 2 who reported undertaking postgraduate studies from in 2019 in dental hygiene related fields of study. Table 4-22, Table 4-23

## Workforce survey response rates

The survey response rates for dental hygienists and orthodontic auxiliaries continues to improve over the last three periods with 96.6% responding to at least part of the workforce survey in 2019. <sup>Table 4-2</sup>

Table 4-2. Dental hygienists and orthodontic auxiliaries survey responses

Year	Response rate (%)
2017	76.7
2018	89.9
2019	96.6

## Dental hygienists and orthodontic auxiliaries' workforce data tables

Table 4-3. 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)	— <sup>a</sup>
2008	371	363 (97.8)	8 (2.2)	—
2009	378	368 (97.4)	10 (2.6)	—
2010/11 <sup>b</sup>	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
2015/16	843	794 (94.2)	49 (5.8)	19.1
2016/17	897	837 (93.3)	60 (6.7)	17.8
2017/18	405	393 (97.0)	12 (3.0)	27.4 <sup>c</sup>
2018/19	398	387 (97.2)	11 (2.8)	27.8 <sup>c</sup>

<sup>a</sup> Data not available from historic reports

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

<sup>c</sup> Multiple qualifications per practitioner could apply

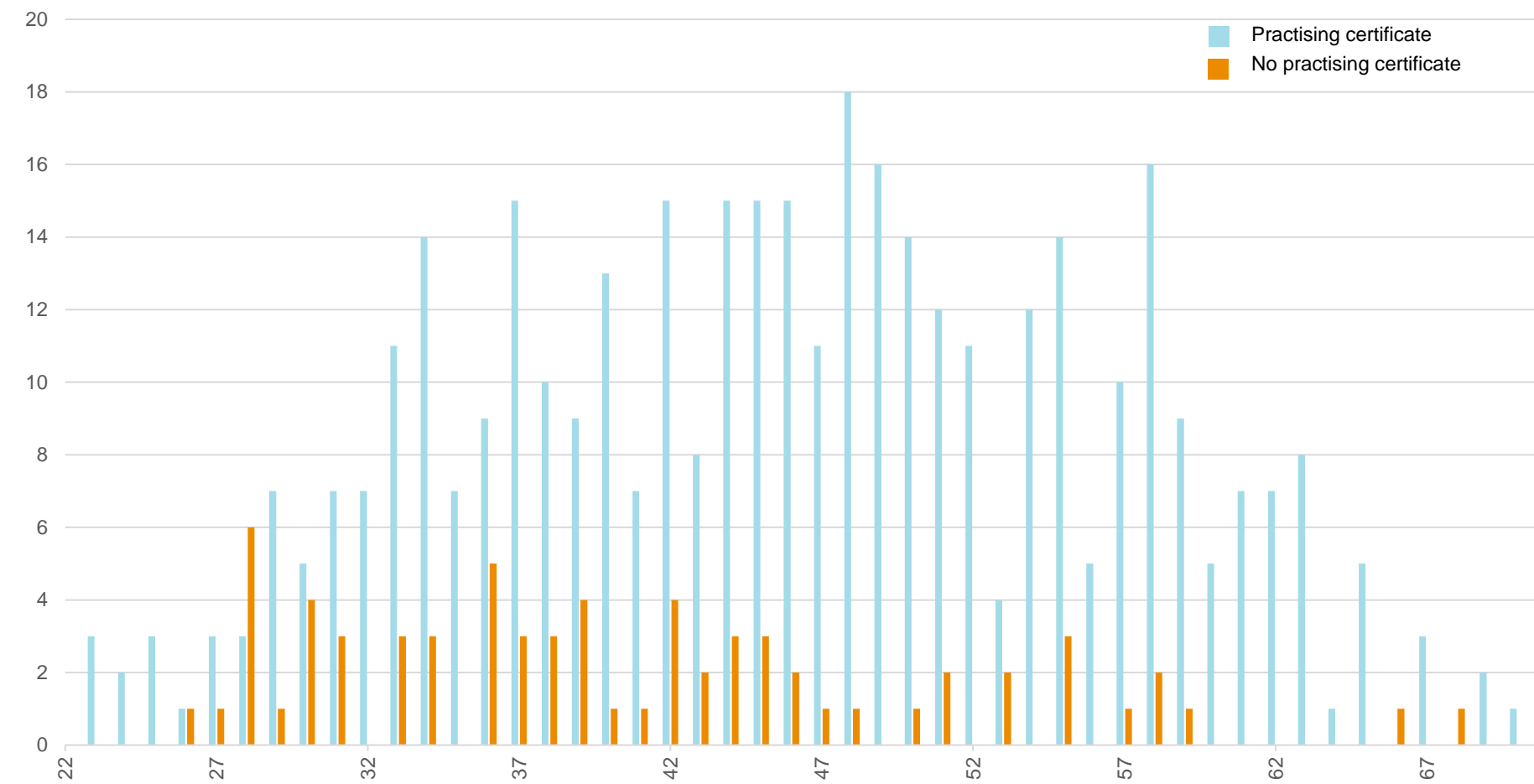
(Data sources: Dental register & previous workforce reports)

Table 4-4. Age of dental hygienists and orthodontic auxiliaries by practising certificate status, as at 31 March 2019

Age bands	Practising certificate (%)	No practising certificate (%)
15 - 24	6 (1.5)	—
25 - 29	17 (4.3)	9 (13.0)
30 - 34	44 (11.1)	13 (18.8)
35 - 39	50 (12.6)	15 (21.7)
40 - 44	58 (14.6)	11 (15.9)
45 - 49	75 (18.8)	7 (10.1)
50 - 54	53 (13.3)	5 (7.2)
55 - 59	54 (13.6)	7 (10.1)
60 - 64	28 (7.0)	—
65 - 69	10 (2.5)	2 (2.9)
70 - 74	3 (0.8)	—
Total	<b>398</b>	<b>69</b>

(Data source: Dental register)

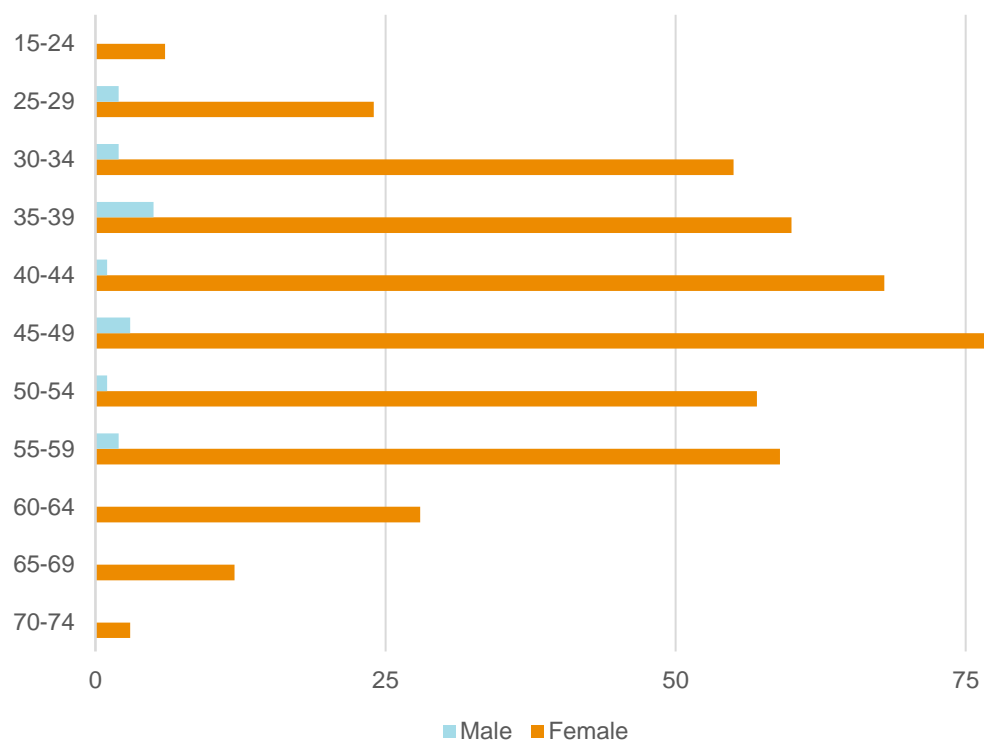
Figure 4-3. Age of dental hygienists and orthodontic auxiliaries by practising certificate status, as at 31 March 2019



(Data source: Dental register)



Figure 4-4. Age of registered dental hygienists and orthodontic auxiliaries by gender, as at 31 March 2019



(Data source: Dental register)

Table 4-5. Gender of dental hygienists and orthodontic auxiliaries by practising certificate status

	Gender	Practising certificate (%)	No practising certificate (%)	Total (%)
2018	Female	393 (97.0)	67 (93.1)	460 (96.4)
	Male	12 (3.0)	4 (5.6)	16 (3.4)
	Unspecified	—	1 (1.4)	1 (0.2)
	Total	<b>405 (84.9)</b>	<b>72 (15.1)</b>	<b>477</b>
2019	Female	387 (97.2)	64 (92.8)	451 (96.6)
	Male	11 (2.8)	5 (7.2)	16 (3.4)
	Total	<b>398 (85.2)</b>	<b>69 (14.8)</b>	<b>467</b>

(Data source: Dental register)

Table 4-6. Self-identification of ethnicity by practising dental hygienists and orthodontic auxiliaries based on 2019 data

<b>Ethnicity</b>	<b>Count<sup>a</sup></b>	<b>Ethnicity</b>	<b>Count</b>
Māori	9 (2.3)	Cambodian	1 (0.3)
New Zealand European	251 (63.1)	Caribbean	1 (0.3)
British	27 (6.8)	Colombian	1 (0.3)
New Zealander	20 (5.0)	Cook Islands Māori	1 (0.3)
Canadian	15 (3.8)	German	1 (0.3)
South African	15 (3.8)	Indigenous Australian	1 (0.3)
Filipino	13 (3.3)	Iranian/Persian	1 (0.3)
American	9 (2.3)	Italian	1 (0.3)
English	9 (2.3)	Korean	1 (0.3)
European	8 (2.0)	Lao	1 (0.3)
Chinese	7 (1.8)	Macedonian	1 (0.3)
Australian	5 (1.3)	Mauritian	1 (0.3)
Indian	5 (1.3)	Other Zimbabwean	1 (0.3)
Japanese	5 (1.3)	Pakistani	1 (0.3)
Other Ethnicity	3 (0.8)	Polish	1 (0.3)
South African European	3 (0.8)	Russian	1 (0.3)
Asian	2 (0.5)	Sri Lankan	1 (0.3)
Fijian	2 (0.5)	Taiwanese	1 (0.3)
Irish	2 (0.5)	Tokelauan	1 (0.3)
Samoan	2 (0.5)	Not Stated	26 (6.5)
Swiss	2 (0.5)	(blank)	2 (0.5)
African	1 (0.3)	<b>TOTAL<sup>b</sup></b>	<b>464</b>
Afrikaner	1 (0.3)		
Arab	1 (0.3)		

<sup>a</sup> Denominator used for percentage values is total practising dental hygienists

<sup>b</sup> Total is greater than number of practising dental hygienists and orthodontic auxiliaries due to self-identification of multiple ethnicities

(Data sources: Workforce survey)

Table 4-7. Country of registration qualification for practising dental hygienists and orthodontic auxiliaries, for 2018

Country of qualification	Dental hygienists (%)	Orthodontic auxiliaries (%)	Total (%)
New Zealand	205 (38.5)	92 (59.7)	297 (43.3)
Overseas	162 (30.5)	26 (16.9)	188 (27.4)
Undefined <sup>b</sup>	165 (31.0)	36 (23.4)	201 (29.3)
<b>Total<sup>c</sup></b>	<b>532 (77.6)</b>	<b>154 (22.4)</b>	<b>686</b>
Breakdown of overseas qualifications			
	(Column %) <sup>a</sup>	(Column %)	(Column %)
Australia	15 (2.8)	2 (1.3)	17 (2.5)
Bulgaria	—	1 (0.6)	1 (0.1)
Canada	21 (3.9)	—	21 (3.1)
Columbia	1 (0.2)	1 (0.6)	2 (0.3)
Fiji	4 (0.8)	—	4 (0.6)
Hong Kong	2 (0.4)	1 (0.6)	3 (0.4)
India	—	1 (0.6)	1 (0.1)
Japan	4 (0.8)	—	4 (0.6)
Philippines	5 (0.9)	4 (2.6)	9 (1.3)
Russia	—	1 (0.6)	1 (0.1)
South Africa	16 (3.0)	—	16 (2.3)
Sri Lanka	1 (0.2)	—	1 (0.1)
Switzerland	1 (0.2)	—	1 (0.1)
United Kingdom	63 (11.8)	1 (0.6)	64 (9.3)
USA	29 (5.5)	14 (9.1)	43 (6.3)

<sup>a</sup> Percentages calculated from totals inclusive of New Zealand qualifications

<sup>b</sup> Where no specific country is specified against a qualification (for example where the prescribed qualification requires registration in a specific jurisdiction, or approved experienced formed part of the prescribed qualification equivalency assessment)

<sup>c</sup> Multiple qualifications per practitioner, per scope of practice, and from the same country can apply  
(Data source: Dental register)

Table 4-8. Country of registration qualification for practising dental hygienists and orthodontic auxiliaries, for 2019

Country of qualification	Dental hygienists (%)	Orthodontic auxiliaries (%)	Total (%)
New Zealand	190 (37.0)	108 (61.0)	298 (43.1)
Overseas	163 (31.7)	29 (16.4)	192 (27.8)
Undefined <sup>b</sup>	161 (31.3)	40 (22.6)	201 (29.1)
<b>Total<sup>c</sup></b>	<b>514 (74.4)</b>	<b>177 (25.6)</b>	<b>691</b>
Breakdown of overseas qualifications			
	(Column %) <sup>a</sup>	(Column %)	(Column %)
Australia	17 (3.3)	2 (1.1)	19 (2.7)
Canada	22 (4.3)	—	22 (3.2)
Columbia	1 (0.2)	1 (0.6)	2 (0.3)
Fiji	4 (0.8)	—	4 (0.6)
Hong Kong	2 (0.4)	1 (0.6)	3 (0.4)
India	2 (0.4)	—	2 (0.3)
Japan	4 (0.8)	—	4 (0.6)
Philippines	5 (1.0)	5 (2.8)	10 (1.4)
Russia	—	1 (0.6)	1 (0.1)
South Africa	17 (3.3)	—	17 (2.5)
Sri Lanka	1 (0.2)	—	1 (0.1)
Sweden	1 (0.2)	—	1 (0.1)
Switzerland	1 (0.2)	—	1 (0.1)
United Kingdom	60 (11.7)	3 (1.7)	63 (9.1)
USA	26 (5.1)	16 (9.0)	42 (6.1)

<sup>a</sup> Percentages calculated from totals inclusive of New Zealand qualifications

<sup>b</sup> Where no specific country is specified against a qualification (for example where the prescribed qualification requires registration in a specific jurisdiction, or approved experienced formed part of the prescribed qualification equivalency assessment)

<sup>c</sup> Multiple qualifications per practitioner, per scope of practice, and from the same country can apply  
(Data source: Dental register)

Table 4-9. Overseas qualified dental hygienists with practising certificates—type of New Zealand registration pathway by year, as at 31 March 2019

Year of first registration in New Zealand	NZDHREX (%)	Overseas qualification equivalency assessed (%)	Prescribed overseas qualification (%)	Trans-Tasman Mutual Recognition (%)
2004	—	16 (38.1)	28 (32.2)	1 (7.7)
2005	—	6 (14.3)	5 (5.7)	—
2006	—	3 (7.1)	4 (4.6)	—
2007	—	6 (14.3)	6 (6.9)	—
2008	—	—	4 (4.6)	1 (7.7)
2009	—	4 (9.5)	5 (5.7)	—
2010	—	1 (2.4)	1 (1.1)	—
2011	—	2 (4.8)	2 (2.3)	—
2012	1 (33.3)	—	3 (3.4)	1 (7.7)
2013	—	—	3 (3.4)	2 (15.4)
2014	1 (33.3)	1 (2.4)	6 (6.9)	1 (7.7)
2015	—	—	4 (4.6)	4 (30.8)
2016	1 (33.3)	1 (2.4)	—	1 (7.7)
2017	—	—	8 (9.2)	1 (7.7)
2018	—	2 (4.8)	6 (6.9)	1 (7.7)
2019	—	—	2 (2.3)	—
<b>Total</b>	<b>3</b>	<b>42</b>	<b>87</b>	<b>13</b>

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

Table 4-10. Type of primary employment of practising dental hygienists and orthodontic auxiliaries

		Number (%)	Total %
2018	Self-employed		
	Solo practice	24 (30.4)	5.9
	Group practice	55 (69.6)	13.6
	Subtotal	<b>79</b>	<b>19.5</b>
	Employee		
	Private practice	256 (95.5)	63.2
	DHB	5 (1.9)	1.2
	Universities	5 (1.9)	1.2
	Other government department, not MOH	2 (0.7)	0.5
	Subtotal	<b>268</b>	<b>66.2</b>
	Other forms of employment	6	1.5
	No reply to question	52	12.8
	<b>Total</b>	<b>405</b>	
2019	Self-employed		
	Solo practice	13 (24.1)	3.3
	Group practice	41 (75.9)	10.3
	Subtotal	<b>54</b>	<b>13.6</b>
	Employee		
	Private practice	276 (93.9)	69.3
	DHB	5 (1.7)	1.3
	Universities	8 (2.7)	2.0
	Other government department, not MOH	5 (1.7)	1.3
	Subtotal	<b>294</b>	<b>73.9</b>
	Other forms of employment	14	3.5
	Practising overseas	2	0.5
	No reply to question	34	8.5
	<b>Total</b>	<b>398</b>	

(Data source: Workforce survey)

Table 4-11. Practising pattern reported by dental hygienists during workforce reporting year

Employment status		Total (%)
2018	Practising in New Zealand	241 (95.3)
	Practising overseas	7 (2.8)
	In NZ but not practising	5 (2.0)
	<b>Total</b>	<b>253</b>
	Practising status not stated	224
2019	Practising in New Zealand	374 (86.6)
	Practising overseas	25 (5.8)
	Overseas and not practising	10 (2.3)
	In NZ but not practising	23 (5.3)
	<b>Total</b>	<b>432</b>
Practising status not stated		35

(Data source: Workforce survey)



Table 4-12. 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 (%)
2018	1 to 10	15 (5.8)	3 (3.5)	18 (5.2)
	11 to 20	63 (24.4)	15 (17.6)	78 (22.7)
	21 to 30	84 (32.6)	14 (16.5)	98 (28.6)
	31 to 40	87 (33.7)	52 (61.2)	139 (40.5)
	41 to 50	8 (3.1)	1 (1.2)	9 (2.6)
	51 to 60	—	—	—
	More than 60	1 (0.4)	—	1 (0.3)
	Number giving data on hours	258	85	343
	Mean no. of hours/week (SD)	26.6 (9.8)	30.5 (9.7)	27.5 (9.9)
	No response or excluded	49	13	62
	<b>Total</b>	<b>307</b>	<b>98</b>	<b>405</b>
2019	1 to 10	14 (5.4)	3 (3.2)	17 (4.8)
	11 to 20	43 (16.5)	12 (12.6)	55 (15.5)
	21 to 30	82 (31.5)	19 (20.0)	101 (28.5)
	31 to 40	104 (40.0)	60 (63.2)	164 (46.2)
	41 to 50	15 (5.8)	1 (1.1)	16 (4.5)
	51 to 60	1 (0.4)	—	1 (0.3)
	More than 60	1 (0.4)	—	1 (0.3)
	Number giving data on hours	260	95	355
	Mean no. of hours/week (SD)	28.7 (10.0)	31.1 (9.5)	29.4 (9.9)
	No response or excluded	32	11	43
	<b>Total</b>	<b>292</b>	<b>106</b>	<b>398</b>

(Data source: Workforce survey)

Table 4-13. Reasons for part-time practice by dental hygienists and orthodontic auxiliaries practising in New Zealand

	Reason for practising part-time	Females (%)	Males (%)	Total (%)
2018	Engaged in non-dental work	4 (1.6)	—	4 (1.5)
	Insufficient dental work	21 (8.2)	1 (16.7)	22 (8.4)
	Seeking dental work	3 (1.2)	1 (16.7)	4 (1.5)
	Semi-retired	5 (2.0)	—	5 (1.9)
	Parental responsibilities	99 (38.7)	1 (16.7)	100 (38.2)
	Personal choice	106 (41.4)	3 (50.0)	109 (41.6)
	Studying	4 (1.6)	—	4 (1.5)
	Other	14 (5.5)	—	14 (5.3)
	Total working part time	<b>256 (97.7)</b>	<b>6 (2.3)</b>	<b>262</b>
2019	Engaged in non-dental work	9 (6.9)	—	9 (6.8)
	Seeking dental work	3 (2.3)	—	3 (2.3)
	Semi-retired	6 (4.6)	—	6 (4.5)
	Personal choice	95 (73.1)	1 (50.0)	96 (72.7)
	Studying	3 (2.3)	—	3 (2.3)
	Other	14 (10.8)	1 (50.0)	15 (11.4)
	Total working part time	<b>130 (98.5)</b>	<b>2 (1.5)</b>	<b>132</b>

(Data source: Workforce survey)

Table 4-14. Work by practice and employment type for dental hygienists and orthodontic auxiliaries, by primary and secondary employer for 2018

	Dental hygiene		Orthodontic auxiliary		Teaching <sup>a</sup>		Administration <sup>a</sup>	
	No. <sup>b</sup>	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-employed – solo practice)	22	22.7 (9.2)	1	18.0	—	—	—	—
Private practice (self-employed – group practice)	47	24.7 (9.4)	3	24.3 (9.5)	—	—	—	—
Private practice (employee)	163	25.8 (10.2)	79	29.8 (10.2)	—	—	2	31.0 (1.4)
DHB or MOH	1	16.0	3	40.0	—	—	—	—
Universities	1	20.0	—	—	4	35.0 (8.7)	—	—
Other government department, not MOH	1	36.0	—	—	—	—	—	—
Other	1	8.0	1	34.0	—	—	—	—
<b>Total number</b>	<b>236</b>	<b>25.2 (10.0)</b>	<b>87</b>	<b>29.9 (10.1)</b>	<b>4</b>	<b>35.0 (8.7)</b>	<b>2</b>	<b>31.0 (1.4)</b>
Secondary employer								
Private practice (self-employed – solo practice)	2	11.0 (4.2)	—	—	—	—	—	—
Private practice (self-employed – group practice)	10	8.7 (5.2)	—	—	—	—	1	20.0
Private practice (employee)	21	10.9 (4.3)	2	6.0 (1.4)	—	—	—	—
Universities	—	—	—	—	4	6.4 (2.3)	—	—
Other	—	—	—	—	1	16.0	—	—
<b>Total number</b>	<b>33</b>	<b>10.2 (4.6)</b>	<b>2</b>	<b>6.0 (1.4)</b>	<b>5</b>	<b>8.3 (4.7)</b>	<b>1</b>	<b>20.0</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Practitioners reporting not working any hours and those who reported more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 4-15. Work by practice and employment type for dental hygienists and orthodontic auxiliaries, by primary and secondary employer for 2019

	Dental hygiene		Orthodontic auxiliary		Teaching <sup>a</sup>		Administration <sup>a</sup>	
	No. <sup>b</sup>	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-employed – solo practice)	11	21.5 (8.2)	—	—	—	—	—	—
Private practice (self-employed – group practice)	26	26.8 (12.1)	—	—	1	8.0	—	—
Private practice (employee)	151	26.6 (9.1)	76	30.3 (9.9)	—	—	3	19.7 (9.5)
DHB or MOH	—	—	2	27.0 (4.2)	—	—	—	—
Universities	3	24.5 (3.9)	—	—	3	21.3 (1.5)	—	—
Other government department, not MOH	3	37.0 (2.6)	—	—	1	40.0	—	—
Other	4	27.8 (9.8)	4	33.3 (7.0)	—	—	—	—
Total number	<b>198</b>	<b>26.5 (9.5)</b>	<b>82</b>	<b>30.4 (9.7)</b>	<b>5</b>	<b>22.4 (11.5)</b>	<b>3</b>	<b>19.7 (9.5)</b>
Secondary employer								
Private practice (self-employed – group practice)	1	16.0	1	1.0	—	—	3	1.7 (1.2)
Private practice (employee)	4	11.0 (5.9)	2	13.5 (9.2)	—	—	7	2.1 (1.5)
DHB or MOH	1	16.0	—	—	—	—	—	—
Universities	—	—	—	—	1	8.0	—	—
Other	—	—	—	—	1	10.0	—	—
Total number	<b>6</b>	<b>12.7 (5.3)</b>	<b>3</b>	<b>9.3 (9.7)</b>	<b>2</b>	<b>9.0</b>	<b>10</b>	<b>2.0 (1.4)</b>

<sup>a</sup> Where specifically employed to do so

<sup>b</sup> Practitioners reporting working no hours or more than 80 hours per week, are excluded from the calculations

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

(Data source: Workforce survey)

Table 4-16. Geographic distribution of practising dental hygienists and orthodontic auxiliaries by Territorial Authority (TA), for 2018

TA area	Number of dental hygienists (%)	Number of orthodontic auxiliaries (%)	Total (%)	FTE combined [N reporting hours]
Far North	5 (1.6)	1 (1.0)	6 (1.5)	3.8 [153.5]
Whangarei	10 (3.3)	—	10 (2.5)	5.1 [203.0]
Kaipara	—	—	—	—
Auckland unitary authority	100 (32.6)	31 (31.6)	131 (32.3)	75.0 [3000.0]
Thames-Coromandel District	2 (0.7)	—	2 (0.5)	0.8 [32.0]
Hauraki District	—	—	—	—
Waikato District	3 (1.0)	—	3 (0.7)	1.2 [46.0]
Matamata-Piako District	—	1 (1.0)	1 (0.2)	1.0 [40.0]
Hamilton City	10 (3.3)	2 (2.0)	12 (3.0)	7.6 [302.0]
Waipa District	8 (2.6)	1 (1.0)	9 (2.2)	4.6 [185.0]
Otorohanga District	—	—	—	—
South Waikato District	1 (0.3)	—	1 (0.2)	0.5 [18.0]
Waitomo District	—	—	—	—
Taupo District	1 (0.3)	—	1 (0.2)	0.2 [8.0]
Western Bay of Plenty District	4 (1.3)	—	4 (1.0)	2.3 [91.0]
Tauranga City	12 (3.9)	3 (3.1)	15 (3.7)	8.0 [321.0]
Rotorua District	3 (1.0)	2 (2.0)	5 (1.2)	1.9 [74.0]
Whakatane District	—	—	—	—
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	3 (1.0)	2 (2.0)	5 (1.2)	2.7 [108.0]
Wairoa District	—	—	—	—
Hastings District	7 (2.3)	2 (2.0)	9 (2.2)	4.9 [195.0]
Napier City	1 (0.3)	—	1 (0.2)	0.8 [30.0]
Central Hawke's Bay District	—	—	—	—
New Plymouth District	7 (2.3)	3 (3.1)	10 (2.5)	5.0 [201.5]
Stratford District	—	—	—	—
South Taranaki District	—	—	—	—
Ruapehu District	—	—	—	—
Wanganui District	3 (1.0)	2 (2.0)	5 (1.2)	3.6 [143.5]
Rangitikei District	—	—	—	—
Manawatu District	1 (0.3)	—	1 (0.2)	—
Palmerston North City	10 (3.3)	6 (6.1)	16 (4.0)	10.0 [401.0]
Taranua District	—	—	—	—
Horowhenua District	1 (0.3)	—	1 (0.2)	0.8 [30.0]
Kapiti Coast District	5 (1.6)	—	5 (1.2)	3.2 [128.0]
Porirua City	3 (1.0)	—	3 (0.7)	2.5 [98.0]
Upper Hutt City	4 (1.3)	2 (2.0)	6 (1.5)	2.0 [78.3]

TA area	Number of dental hygienists (%)	Number of orthodontic auxiliaries (%)	Total (%)	FTE combined [N reporting hours]
Lower Hutt City	6 (2.0)	1 (1.0)	7 (1.7)	3.7 [149.0]
Wellington City	18 (5.9)	7 (7.1)	25 (6.2)	16.4 [657.0]
Masterton District	2 (0.7)	—	2 (0.5)	1.5 [60.0]
Carterton District	1 (0.3)	—	1 (0.2)	0.9 [34.0]
South Wairarapa District	—	—	—	—
Tasman District	2 (0.7)	—	2 (0.5)	0.8 [32.0]
Nelson City	5 (1.6)	6 (6.1)	11 (2.7)	7.5 [301.5]
Marlborough District	2 (0.7)	—	2 (0.5)	1.7 [66.0]
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	3 (1.0)	—	3 (0.7)	1.8 [70.0]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	—	—	—
Christchurch City	25 (8.1)	16 (16.3)	41 (10.1)	28.9 [1157.0]
Selwyn District	4 (1.3)	—	4 (1.0)	2.5 [101.0]
Ashburton District	—	—	—	—
Timaru District	1 (0.3)	2 (2.0)	3 (0.7)	1.3 [51.0]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	2 (0.7)	—	2 (0.5)	0.8 [31.0]
Central Otago District	1 (0.3)	—	1 (0.2)	0.4 [14.0]
Queenstown-Lakes District	5 (1.6)	—	5 (1.2)	2.9 [116.0]
Dunedin City	14 (4.6)	2 (2.0)	16 (4.0)	9.6 [385.5]
Clutha District	1 (0.3)	—	1 (0.2)	0.9 [34.0]
Southland District	—	1 (1.0)	1 (0.2)	0.4 [15.0]
Gore District	—	—	—	—
Invercargill City	2 (0.7)	5 (5.1)	7 (1.7)	5.8 [232.0]
Area outside of TA	6 (2.0)	—	6 (1.5)	—
TA code not available	3 (1.0)	—	3 (0.7)	—
<b>Total</b>	<b>307</b>	<b>98</b>	<b>405</b>	<b>234.8 [9,392.8]</b>

Note: FTE = Full time equivalent

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

Table 4-17. Population to practising dental hygienists and orthodontic auxiliaries and FTE ratios by TA, for 2018

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to-dental hygienist/orthodontic auxiliary ratio	Dental hygienist/orthodontic auxiliary per 100,000 population aged 15+	Population aged 15+ years-to-FTE-dental hygienist/orthodontic auxiliary ratio <sup>b</sup>	FTE per 100,000 population aged 15+ <sup>b</sup>
Far North	67,900	53,400	8,900	11.2	13,915.3	7.2
Whangarei	94,100	74,600	7,460	13.4	14,699.5	6.8
Kaipara	23,700	19,100	—	—	—	—
Auckland	1,654,800	1,330,700	10,158	9.8	17,742.7	5.6
Thames-Coromandel District	30,700	26,100	13,050	7.7	32,625.0	3.1
Hauraki District	20,700	16,900	—	—	—	—
Waikato District	78,200	60,200	20,067	5.0	52,347.8	1.9
Matamata-Piako District	35,300	28,200	28,200	3.5	28,200.0	3.5
Hamilton City	168,600	133,200	11,100	9.0	17,642.4	5.7
Waipa District	55,000	43,800	4,867	20.5	9,470.3	10.6
Otorohanga District	10,500	8,150	—	—	—	—
South Waikato District	24,800	19,100	19,100	5.2	42,444.4	2.4
Waitomo District	9,630	7,520	—	—	—	—
Taupo District	38,600	30,800	30,800	3.2	154,000.0	0.6
Western Bay of Plenty District	53,400	43,600	10,900	9.2	19,164.8	5.2
Tauranga City	142,000	113,800	7,587	13.2	14,180.7	7.1
Rotorua District	74,800	58,400	11,680	8.6	31,567.6	3.2
Whakatane District	37,100	28,900	—	—	—	—
Kawerau District	7,460	5,700	—	—	—	—
Opotiki District	9,670	7,530	—	—	—	—
Gisborne District	49,500	37,900	7,580	13.2	14,037.0	7.1
Wairoa District	8,720	6,700	—	—	—	—
Hastings District	84,700	66,600	7,400	13.5	13,661.5	7.3
Napier City	64,200	51,700	51,700	1.9	68,933.3	1.5
Central Hawke's Bay District	14,650	11,600	—	—	—	—
New Plymouth District	83,300	66,500	6,650	15.0	13,201.0	7.6
Stratford District	9,710	7,640	—	—	—	—
South Taranaki District	28,300	22,000	—	—	—	—
Ruapehu District	12,750	9,950	—	—	—	—
Wanganui District	46,800	37,700	7,540	13.3	10,508.7	9.5
Rangitikei District	15,450	12,300	—	—	—	—
Manawatu District	31,100	24,700	24,700	4.0	—	—
Palmerston North City	88,300	71,100	4,444	22.5	7,092.3	14.1
Tararua District	18,450	14,550	—	—	—	—
Horowhenua District	34,500	28,200	28,200	3.5	37,600.0	2.7
Kapiti Coast District	55,200	45,700	9,140	10.9	14,281.3	7.0
Porirua City	58,900	45,200	15,067	6.6	18,449.0	5.4

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to- dental hygienist/ orthodontic auxiliary ratio	Dental hygienist/ orthodontic auxiliary per 100,000 population aged 15+	Population aged 15+ years-to-FTE- dental hygienist/ orthodontic auxiliary ratio <sup>b</sup>	FTE per 100,000 population aged 15+ <sup>b</sup>
Upper Hutt City	45,400	36,700	6,117	16.3	18,760.4	5.3
Lower Hutt City	108,600	87,000	12,429	8.0	23,355.7	4.3
Wellington City	211,200	177,900	7,116	14.1	10,831.1	9.2
Masterton District	26,400	21,400	10,700	9.3	14,266.7	7.0
Carterton District	9,510	7,730	7,730	12.9	9,094.1	11.0
South Wairarapa District	10,900	8,950	—	—	—	—
Tasman District	54,000	44,400	22,200	4.5	55,500.0	1.8
Nelson City	52,700	43,500	3,955	25.3	5,771.1	17.3
Marlborough District	48,700	40,300	20,150	5.0	24,424.2	4.1
Kaikoura District	4,060	3,410	—	—	—	—
Buller District	9,850	8,240	—	—	—	—
Grey District	13,750	11,150	3,717	26.9	6,371.4	15.7
Westland District	8,830	7,380	—	—	—	—
Hurunui District	12,950	10,500	—	—	—	—
Waimakariri District	61,300	49,700	—	—	—	—
Christchurch City	383,800	318,700	7,773	12.9	11,018.2	9.1
Selwyn District	63,300	49,500	12,375	8.1	19,604.0	5.1
Ashburton District	34,600	27,600	—	—	—	—
Timaru District	47,600	39,200	13,067	7.7	30,745.1	3.3
Mackenzie District	5,100	4,260	—	—	—	—
Waimate District	8,120	6,730	—	—	—	—
Chatham Islands Territory	690	580	—	—	—	—
Waitaki District	22,900	18,700	9,350	10.7	24,129.0	4.1
Central Otago District	22,200	18,500	18,500	5.4	52,857.1	1.9
Queenstown-Lakes District	42,500	35,800	7,160	14.0	12,344.8	8.1
Dunedin City	131,200	110,900	6,931	14.4	11,507.1	8.7
Clutha District	18,050	14,650	14,650	6.8	17,235.3	5.8
Southland District	31,900	25,300	25,300	4.0	67,466.7	1.5
Gore District	12,800	10,350	—	—	—	—
Invercargill City	55,900	45,100	6,443	15.5	7,775.9	12.9
Area outside of TA	40	40	—	—	—	—
TA code not available	—	—	—	—	—	—
<b>Total<sup>c</sup></b>	<b>4,900,340</b>	<b>3,953,910</b>	<b>9,763</b>	<b>10.2</b>	<b>16,838.1</b>	<b>5.9</b>

<sup>a</sup> Population estimate as at 30 June 2018

<sup>b</sup> Where hours are reported

<sup>c</sup> Due to rounding, individual figures may not always sum to the stated totals

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



Table 4-18. Geographic distribution of practising dental hygienists and orthodontic auxiliaries by TA, for 2019

TA area	Number of dental hygienists	Number of orthodontic auxiliaries	Total	FTE combined [N reporting hours]
Far North	5 (1.7)	1 (0.9)	6 (1.5)	3.5 [141.0]
Whangarei	10 (3.4)	—	10 (2.5)	4.0 [158.0]
Kaipara	—	—	—	—
Auckland unitary authority	97 (33.2)	27 (25.5)	124 (31.2)	65.4 [2614.5]
Thames-Coromandel District	1 (0.3)	—	1 (0.3)	0.8 [32.0]
Hauraki District	—	—	—	—
Waikato District	3 (1.0)	1 (0.9)	4 (1.0)	2.0 [79.0]
Matamata-Piako District	—	1 (0.9)	1 (0.3)	—
Hamilton City	8 (2.7)	3 (2.8)	11 (2.8)	6.1 [245.0]
Waipa District	5 (1.7)	3 (2.8)	8 (2.0)	2.1 [85.0]
Otorohanga District	—	—	—	—
South Waikato District	1 (0.3)	—	1 (0.3)	—
Waitomo District	—	—	—	—
Taupo District	1 (0.3)	—	1 (0.3)	0.6 [22.0]
Western Bay of Plenty District	4 (1.4)	—	4 (1.0)	0.9 [35.0]
Tauranga City	11 (3.8)	2 (1.9)	13 (3.3)	6.2 [247.0]
Rotorua District	3 (1.0)	2 (1.9)	5 (1.3)	0.9 [35.0]
Whakatane District	—	—	—	—
Kawerau District	—	—	—	—
Opotiki District	—	—	—	—
Gisborne District	2 (0.7)	2 (1.9)	4 (1.0)	2.0 [80.0]
Wairoa District	—	—	—	—
Hastings District	7 (2.4)	2 (1.9)	9 (2.3)	4.3 [172.0]
Napier City	1 (0.3)	—	1 (0.3)	0.8 [32.0]
Central Hawke's Bay District	—	—	—	—
New Plymouth District	7 (2.4)	1 (0.9)	8 (2.0)	2.7 [108.0]
Stratford District	—	—	—	—
South Taranaki District	—	—	—	—
Ruapehu District	—	—	—	—
Wanganui District	3 (1.0)	2 (1.9)	5 (1.3)	3.6 [142.0]
Rangitikei District	—	—	—	—
Manawatu District	—	1 (0.9)	1 (0.3)	1.0 [39.0]
Palmerston North City	9 (3.1)	5 (4.7)	14 (3.5)	6.1 [243.0]
Taranui District	—	—	—	—
Horowhenua District	1 (0.3)	—	1 (0.3)	0.8 [32.0]
Kapiti Coast District	5 (1.7)	—	5 (1.3)	2.7 [108.0]
Porirua City	3 (1.0)	—	3 (0.8)	0.8 [31.5]
Upper Hutt City	3 (1.0)	1 (0.9)	4 (1.0)	3.4 [134.0]

TA area	Number of dental hygienists	Number of orthodontic auxiliaries	Total	FTE combined [N reporting hours]
Lower Hutt City	6 (2.1)	3 (2.8)	9 (2.3)	5.2 [206.0]
Wellington City	18 (6.2)	8 (7.5)	26 (6.5)	18.0 [720.0]
Masterton District	2 (0.7)	—	2 (0.5)	1.9 [76.0]
Carterton District	1 (0.3)	—	1 (0.3)	0.9 [35.0]
South Wairarapa District	—	—	—	—
Tasman District	2 (0.7)	—	2 (0.5)	0.9 [34.0]
Nelson City	5 (1.7)	8 (7.5)	13 (3.3)	6.3 [253.0]
Marlborough District	2 (0.7)	—	2 (0.5)	1.8 [70.0]
Kaikoura District	—	—	—	—
Buller District	—	—	—	—
Grey District	3 (1.0)	—	3 (0.8)	1.6 [62.0]
Westland District	—	—	—	—
Hurunui District	—	—	—	—
Waimakariri District	—	—	—	—
Christchurch City	22 (7.5)	18 (17.0)	40 (10.1)	21.8 [872.5]
Selwyn District	4 (1.4)	—	4 (1.0)	2.7 [108.0]
Ashburton District	—	—	—	—
Timaru District	1 (0.3)	2 (1.9)	3 (0.8)	1.4 [56.0]
Mackenzie District	—	—	—	—
Waimate District	—	—	—	—
Chatham Islands Territory	—	—	—	—
Waitaki District	2 (0.7)	—	2 (0.5)	0.2 [6.0]
Central Otago District	1 (0.3)	—	1 (0.3)	0.4 [16.0]
Queenstown-Lakes District	6 (2.1)	—	6 (1.5)	3.0 [118.0]
Dunedin City	16 (5.5)	2 (1.9)	18 (4.5)	9.5 [381.0]
Clutha District	1 (0.3)	—	1 (0.3)	0.9 [34.0]
Southland District	—	1 (0.9)	1 (0.3)	—
Gore District	—	—	—	—
Invercargill City	2 (0.7)	5 (4.7)	7 (1.8)	3.6 [142.0]
Area outside of TA	5 (1.7)	—	5 (1.3)	1.7 [68.0]
TA code not available	3 (1.0)	5 (4.7)	8 (2.0)	3.4 [135.0]
<b>Total</b>	<b>292</b>	<b>106</b>	<b>398</b>	<b>205.2 [8,207.5]</b>

Note: FTE = Full time equivalent

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

Table 4-19. Population to practising dental hygienists and orthodontic auxiliaries and FTE ratios by TA, for 2019

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to-dental hygienist/orthodontic auxiliary ratio	Dental hygienist/orthodontic auxiliary per 100,000 population aged 15+	Population aged 15+ years-to-FTE- dental hygienist/orthodontic auxiliary ratio <sup>b</sup>	FTE per 100,000 population aged 15+ <sup>b</sup>
Far North	69,300	54,700	9,117	11.0	15,517.7	6.4
Whangarei	96,000	76,300	7,630	13.1	19,316.5	5.2
Kaipara	24,400	19,800	—	—	—	—
Auckland	1,680,500	1,352,400	10,906	9.2	20,690.8	4.8
Thames-Coromandel District	31,300	26,700	26,700	3.7	33,375.0	3.0
Hauraki District	21,000	17,100	—	—	—	—
Waikato District	80,400	62,100	15,525	6.4	31,443.0	3.2
Matamata-Piako District	35,800	28,700	28,700	3.5	—	—
Hamilton City	172,300	136,200	12,382	8.1	22,236.7	4.5
Waipa District	56,300	44,800	5,600	17.9	21,082.4	4.7
Otorohanga District	10,600	8,250	—	—	—	—
South Waikato District	25,100	19,400	19,400	5.2	—	—
Waitomo District	9,650	7,550	—	—	—	—
Taupo District	39,300	31,500	31,500	3.2	57,272.7	1.7
Western Bay of Plenty District	54,800	44,900	11,225	8.9	51,314.3	1.9
Tauranga City	146,200	117,300	9,023	11.1	18,996.0	5.3
Rotorua District	75,800	59,200	11,840	8.4	67,657.1	1.5
Whakatane District	37,600	29,300	—	—	—	—
Kawerau District	7,600	5,820	—	—	—	—
Opotiki District	9,850	7,670	—	—	—	—
Gisborne District	50,100	38,400	9,600	10.4	19,200.0	5.2
Wairoa District	8,810	6,760	—	—	—	—
Hastings District	86,100	67,900	7,544	13.3	15,790.7	6.3
Napier City	65,200	52,600	52,600	1.9	65,750.0	1.5
Central Hawke's Bay District	14,900	11,800	—	—	—	—
New Plymouth District	84,600	67,500	8,438	11.9	25,000.0	4.0
Stratford District	9,810	7,710	—	—	—	—
South Taranaki District	28,500	22,200	—	—	—	—
Ruapehu District	12,750	9,950	—	—	—	—
Wanganui District	47,300	38,100	7,620	13.1	10,732.4	9.3
Rangitikei District	15,550	12,400	—	—	—	—
Manawatu District	31,600	25,100	25,100	4.0	25,743.6	3.9
Palmerston North City	89,100	71,700	5,121	19.5	11,802.5	8.5
Tararua District	18,650	14,750	—	—	—	—
Horowhenua District	35,300	28,900	28,900	3.5	36,125.0	2.8
Kapiti Coast District	56,000	46,500	9,300	10.8	17,222.2	5.8
Porirua City	59,800	46,100	15,367	6.5	58,539.7	1.7

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to- dental hygienist/ orthodontic auxiliary ratio	Dental hygienist/ orthodontic auxiliary per 100,000 population aged 15+	Population aged 15+ years-to- FTE- dental hygienist/ orthodontic auxiliary ratio <sup>b</sup>	FTE per 100,000 population aged 15+ <sup>b</sup>
Upper Hutt City	46,100	37,300	9,325	10.7	11,134.3	9.0
Lower Hutt City	109,800	88,100	9,789	10.2	17,106.8	5.8
Wellington City	213,100	180,200	6,931	14.4	10,011.1	10.0
Masterton District	26,900	21,800	10,900	9.2	11,473.7	8.7
Carterton District	9,710	7,910	7,910	12.6	9,040.0	11.1
South Wairarapa District	11,100	9,150	—	—	—	—
Tasman District	55,100	45,600	22,800	4.4	53,647.1	1.9
Nelson City	53,600	44,300	3,408	29.3	7,004.0	14.3
Marlborough District	49,400	40,900	20,450	4.9	23,371.4	4.3
Kaikoura District	4,120	3,450	—	—	—	—
Buller District	9,720	8,190	—	—	—	—
Grey District	13,750	11,150	3,717	26.9	7,193.5	13.9
Westland District	8,840	7,400	—	—	—	—
Hurunui District	13,100	10,600	—	—	—	—
Waimakariri District	62,800	51,100	—	—	—	—
Christchurch City	387,700	322,300	8,058	12.4	14,775.9	6.8
Selwyn District	66,300	51,900	12,975	7.7	19,222.2	5.2
Ashburton District	35,000	27,900	—	—	—	—
Timaru District	47,900	39,400	13,133	7.6	28,142.9	3.6
Mackenzie District	5,270	4,420	—	—	—	—
Waimate District	8,180	6,820	—	—	—	—
Chatham Islands Territory	710	600	—	—	—	—
Waitaki District	23,200	19,100	9,550	10.5	127,333.3	0.8
Central Otago District	23,100	19,300	19,300	5.2	48,250.0	2.1
Queenstown-Lakes District	44,800	37,800	6,300	15.9	12,813.6	7.8
Dunedin City	132,300	112,100	6,228	16.1	11,769.0	8.5
Clutha District	18,150	14,750	14,750	6.8	17,352.9	5.8
Southland District	32,100	25,500	25,500	3.9	—	—
Gore District	12,800	10,400	—	—	—	—
Invercargill City	56,600	45,700	6,529	15.3	12,873.2	7.8
Area outside of TA	40	40	8	—	23.5	4,250.0
<b>Total<sup>c</sup></b>	<b>4,979,160</b>	<b>4,023,240</b>	<b>10,109</b>	<b>428.4</b>	<b>19,607.6</b>	<b>4,468.5</b>

<sup>a</sup> Population estimate as at 30 June 2019

<sup>b</sup> Where hours are reported

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

Table 4-20. Population to practising dental hygienists and orthodontic auxiliaries and FTE ratios by district health board (DHB), for 2018

	No with practising certificates	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	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	16	185,800	147,200	8.9	9,200	10.9	16,516.1	6.1
Waitemata	47	615,100	495,300	26.3	10,538	9.5	18,814.8	5.3
Auckland	61	493,300	412,400	36.6	6,761	14.8	11,283.2	8.9
Counties-Manukau	23	567,000	439,100	12.1	19,091	5.2	36,214.4	2.8
Waikato	28	421,000	333,500	15.6	11,911	8.4	21,412.5	4.7
Lakes	6	113,400	89,200	2.1	14,867	6.7	43,512.2	2.3
Bay of Plenty	19	249,700	199,600	10.3	10,505	9.5	19,378.6	5.2
Tairāwhiti	5	49,500	37,900	2.7	7,580	13.2	14,037.0	7.1
Taranaki	10	121,300	96,200	5.6	9,620	10.4	17,102.2	5.8
Hawke's Bay	10	172,300	136,600	5.0	13,660	7.3	27,116.6	3.7
MidCentral	18	181,700	146,200	10.8	8,122	12.3	13,568.4	7.4
Whanganu	5	66,700	53,400	3.6	10,680	9.4	14,885.0	6.7
Capital and Coast	33	315,900	261,200	22.1	7,915	12.6	11,832.4	8.5
Hutt	13	153,900	123,600	5.7	9,508	10.5	21,755.8	4.6
Wairarapa	3	46,800	38,100	2.4	12,700	7.9	16,212.8	6.2
Nelson-Marlborough	15	155,500	128,300	10.0	8,553	11.7	12,846.1	7.8
West Coast	3	32,400	26,700	1.8	8,900	11.2	15,257.1	6.6
Canterbury	45	560,800	460,000	31.5	10,222	9.8	14,626.4	6.8
South Canterbury	3	60,900	50,200	1.3	16,733	6.0	39,372.5	2.5
Southern	33	337,400	279,300	20.7	8,464	11.8	13,500.9	7.4
Area outside of DHB	—	200	190	—	—	—	—	—
Unknown	9			—	—	—	—	—
<b>Total</b>	<b>405</b>	<b>4,900,600</b>	<b>3,954,190</b>	<b>234.8</b>	<b>9,763.4</b>	<b>10.2</b>	<b>16,839.3</b>	<b>5.9</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals  
(Data sources: Workforce survey and Ministry of Health)

Table 4-21. Population to practising dental hygienists and orthodontic auxiliaries, and FTE ratios by DHB, for 2019

	No with practising certificates	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	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	13	189,600	150,600	5.1	11,585	8.6	29,674.9	3.4
Waitemata	16	624,700	503,100	7.5	31,444	3.2	67,304.3	1.5
Auckland	43	498,100	417,300	25.4	9,705	10.3	16,413.0	6.1
Counties-Manukau	57	579,200	448,700	29.9	7,872	12.7	14,994.2	6.7
Waikato	24	428,900	340,300	10.0	14,179	7.1	33,987.5	2.9
Lakes	26	115,100	90,700	11.0	3,488	28.7	8,226.8	12.2
Bay of Plenty	6	256,100	205,000	1.4	34,167	2.9	143,859.6	0.7
Tairāwhiti	17	50,100	38,400	7.1	2,259	44.3	5,446.8	18.4
Taranaki	4	122,900	97,300	2.0	24,325	4.1	48,650.0	2.1
Hawke's Bay	10	175,000	139,000	5.1	13,900	7.2	27,254.9	3.7
MidCentral	8	184,200	148,300	2.7	18,538	5.4	54,925.9	1.8
Whanganui	16	67,400	54,000	7.9	3,375	29.6	6,879.0	14.5
Capital and Coast	5	319,400	265,000	3.6	53,000	1.9	74,647.9	1.3
Hutt	34	155,900	125,400	21.5	3,688	27.1	5,836.0	17.1
Wairarapa	13	47,700	38,900	8.5	2,992	33.4	4,576.5	21.9
Nelson-Marlborough	3	158,100	130,800	2.8	43,600	2.3	47,135.1	2.1
West Coast	17	32,300	26,800	8.9	1,576	63.4	3,002.8	33.3
Canterbury	3	569,700	467,900	1.6	155,967	0.6	301,871.0	0.3
South Canterbury	44	61,400	50,700	24.5	1,152	86.8	2,068.3	48.3
Southern	3	343,000	284,600	1.4	94,867	1.1	203,285.7	0.5
Area outside of DHB		210	200	—	—	—	—	—
Unknown	36	—	—	17.4	—	—	—	—
<b>Total</b>	<b>398</b>	<b>4,979,010</b>	<b>4,023,000</b>	<b>205.2</b>	<b>10,108.0</b>	<b>9.9</b>	<b>19,606.5</b>	<b>5.1</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals  
(Data sources: Workforce survey and Ministry of Health)

Table 4-22. Postgraduate training undertaken by dental hygienists and orthodontic auxiliaries

Expected year of completion		Overall (%)
2018	2017	1 (50.0)
	2019	1 (50.0)
	Total in postgraduate training	<b>2</b>
2019	2019	1 (50.0)
	2020	1 (50.0)
	Total in postgraduate training	<b>2</b>

(Data source: Workforce survey)

Table 4-23. Areas in which postgraduate training are being undertaken, based on 2019 data

Areas of study	Students/Trainees
Dental hygiene related	2
Total	<b>2</b>

(Data source: Workforce survey)



## Section 5:

# The dental technology and clinical dental technology workforce

## Dental technicians & clinical dental technicians

2019  
workforce  
at a glance



361 practising

405 registered

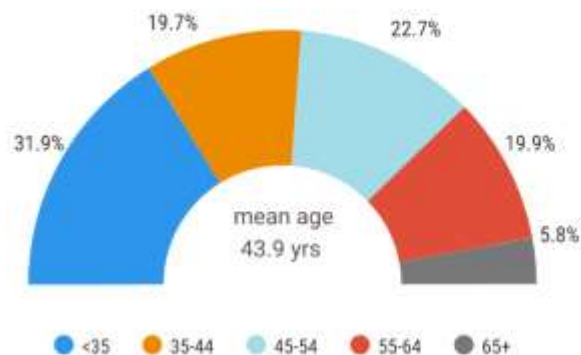
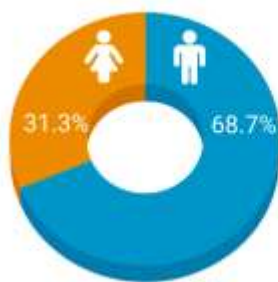


44 not practising

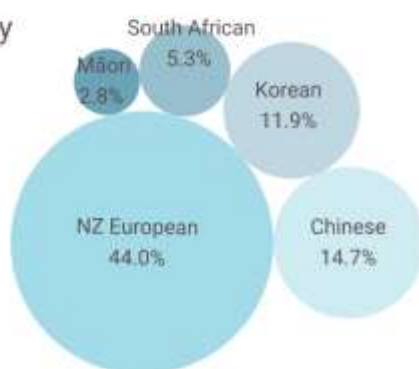
185 dental technicians



### Practising demographics



### Ethnicity



### Primary employment

Self-employed 42.9%



36.6% Solo practice



6.4% Group practice

Employees 23.5%

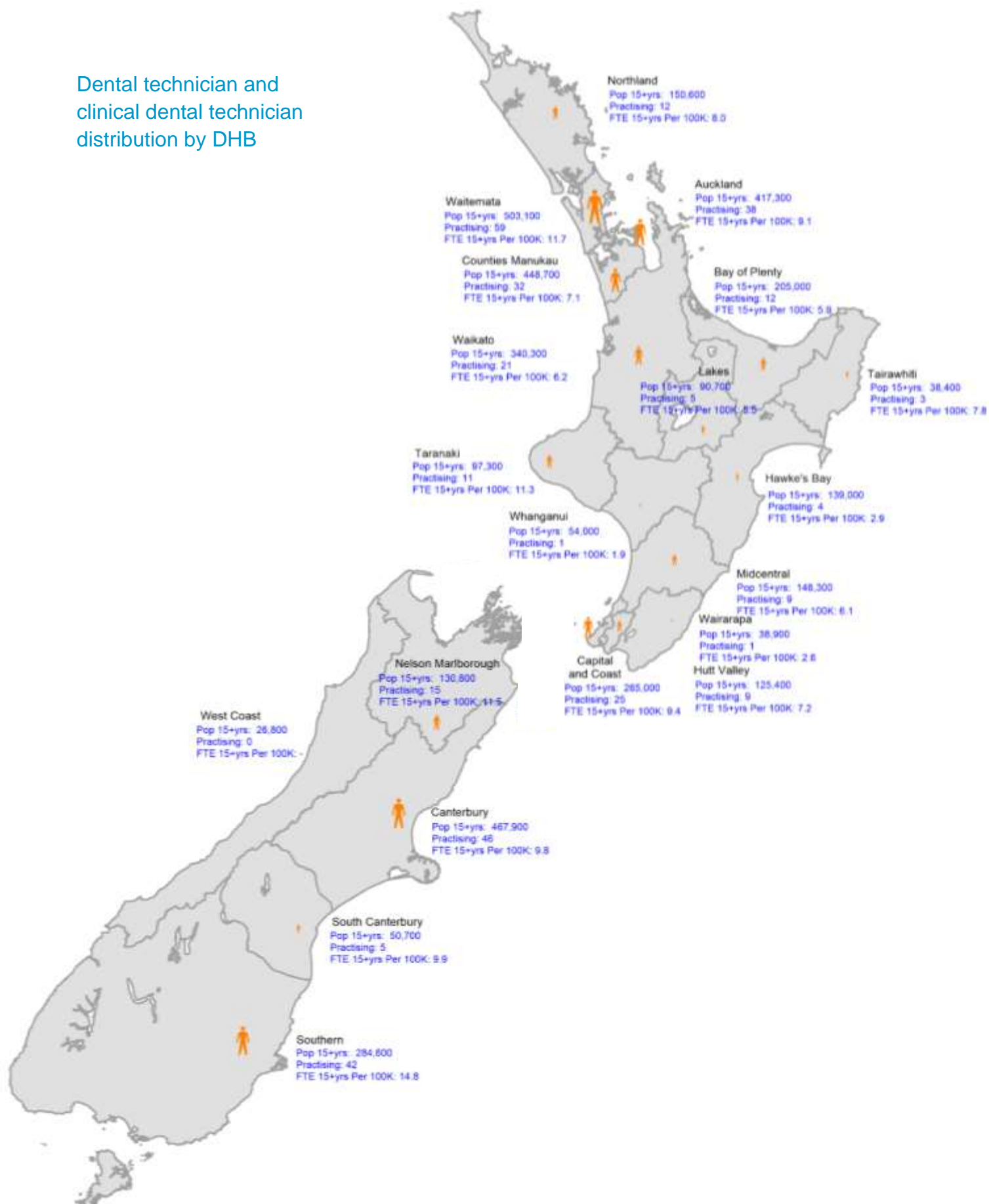


17.5% Private practice



2.5% Universities

# Dental technician and clinical dental technician distribution 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 remained stable compared to 2017 (164 in 2017 and 158 in 2019), as well as clinical dental technicians (207 in 2017 and 203 in 2019). In 2019, the number of practising clinical dental technicians (203) continued to outnumber the dental technicians (158).

In 2019 there was a total of 405 dental technicians and clinical dental technicians on the register only 2 less than in 2017 and 2018. Of those, a total of 89.1% held annual practising certificates. <sup>Table 5-1</sup>

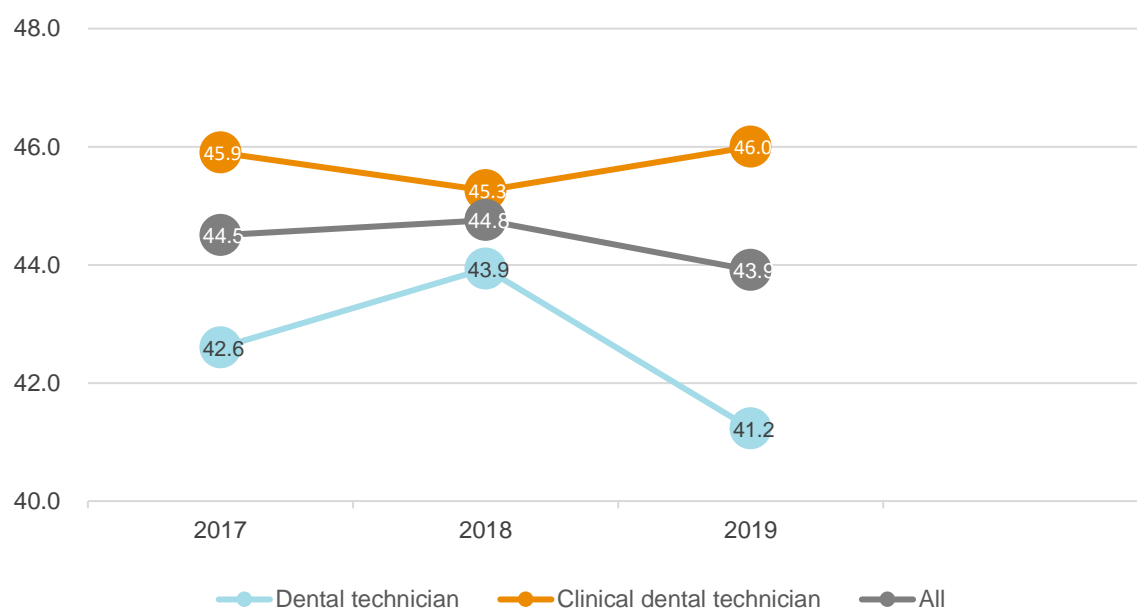
**Table 5-1. Registered dental technicians and clinical dental technicians**

	2017	% YoY	2018	% YoY	2019
Dental technicians with practising certificates	164	-15.9	138	14.5	158
Clinical dental technicians with practising certificates	207	8.2	224	-9.4	203
Dental technicians without practising certificates	24	41.7	34	-20.6	27
Clinical dental technicians without practising certificates	12	-8.3	11	54.6	17
Total	407	—	407	-0.5	405

## Demographics

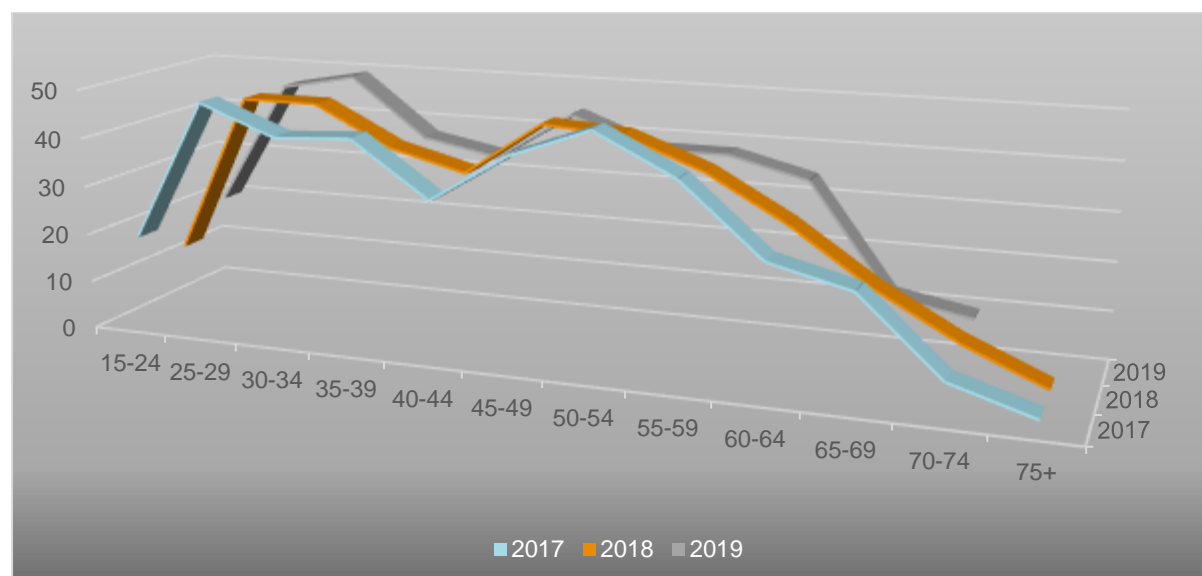
The mean age showed a decline from 2017 to 2019 for practising dental technicians from 42.6 (2017) to 41.2 (2019). Clinical dental technicians' mean age remained similar (46.0). The overall mean age for 2019 was 43.9, slightly less than 44.5 in 2017. <sup>Figure 5-1</sup>

**Figure 5-1. Mean age of practising dental technicians and clinical dental technicians**



The age group distribution showed an increase in the workforce for the lower age bands. There is an accelerated rate of either retiring or leaving the profession earlier in 2019 than in 2018 and 2017. In 2019 data, there were 5.8% (21) dental technicians and clinical dental technicians active in the workforce over age 65, with none in the 75+ age band. Figure 5-2, Table 5-4

Figure 5-2. Age band distribution of practising dental technicians and clinical dental technicians



Females made up 31.3% of the practising dental technician and clinical technician workforce in 2019, with similar ratios in 2018. Table 5-5

The ethnicity reported by dental technicians and clinical dental technicians did not reflect the current ethnic ratios in New Zealand: Māori made up 2.8%; New Zealand European made up 44.0%. Other ethnicities reported include Chinese (14.7%), Korean (11.9%) and South African (5.3%). Table 5-6

## Practising characteristics

Reported self-employment had increased slightly from 148 (39.9%) in 2017 to 155 (42.9% of employments reported) in 2019, with the majority in solo practice (85.2% of self-employed). For employees (23.5% of employments reported) the largest subgroup remained private practice (74.1% of employees) followed by DHBs (14.1% of employees). <sup>Table 5-8</sup>

The main reasons reported for part-time practice was personal choice (13, 52.0%). <sup>Table 5-10</sup>

## Geographical distribution

The analysis of territorial authorities (TAs) showed that 26 TAs had no dental technicians or clinical dental technicians. <sup>Table 5-13</sup>

Of the DHBs, the highest ratio of technicians per 100K population over 15 years of age was in Southern (14.8) and in Waitemata (11.7) with the West Coast not having any reported technician workforce in 2019.

## Postgraduate studies

In 2019, of the 15 who indicated postgraduate studies, 11 were related to clinical dental technology and the rest (4) in other dental areas. <sup>Table 5-17</sup>

## Workforce survey response rates

The survey response rates for dental technicians and clinical dental technicians have substantially increased to 97.5% in 2019. <sup>Table 5-2</sup>

Table 5-2. Survey responses

Year	Response rate (%)
2017	74.7
2018	91.9
2019	97.5

## Dental technicians and clinical dental technicians workforce data tables

Table 5-3. 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) <sup>a</sup>
2008	345	72 (20.9)	272 (78.8) <sup>b</sup>
2009	346	77 (22.3)	265 (76.6) <sup>c</sup>
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)
2015/16	375	106 (28.3)	269 (71.7)
2016/17	371	112 (30.2)	259 (69.8)
2017/18	362	114 (31.5)	248 (68.5)
2018/19	361	113 (31.3)	248 (68.7)

<sup>a</sup> As recorded in 2007 workforce report; reported as 1 gender unknown

<sup>b</sup> Reported as 1 gender unknown

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

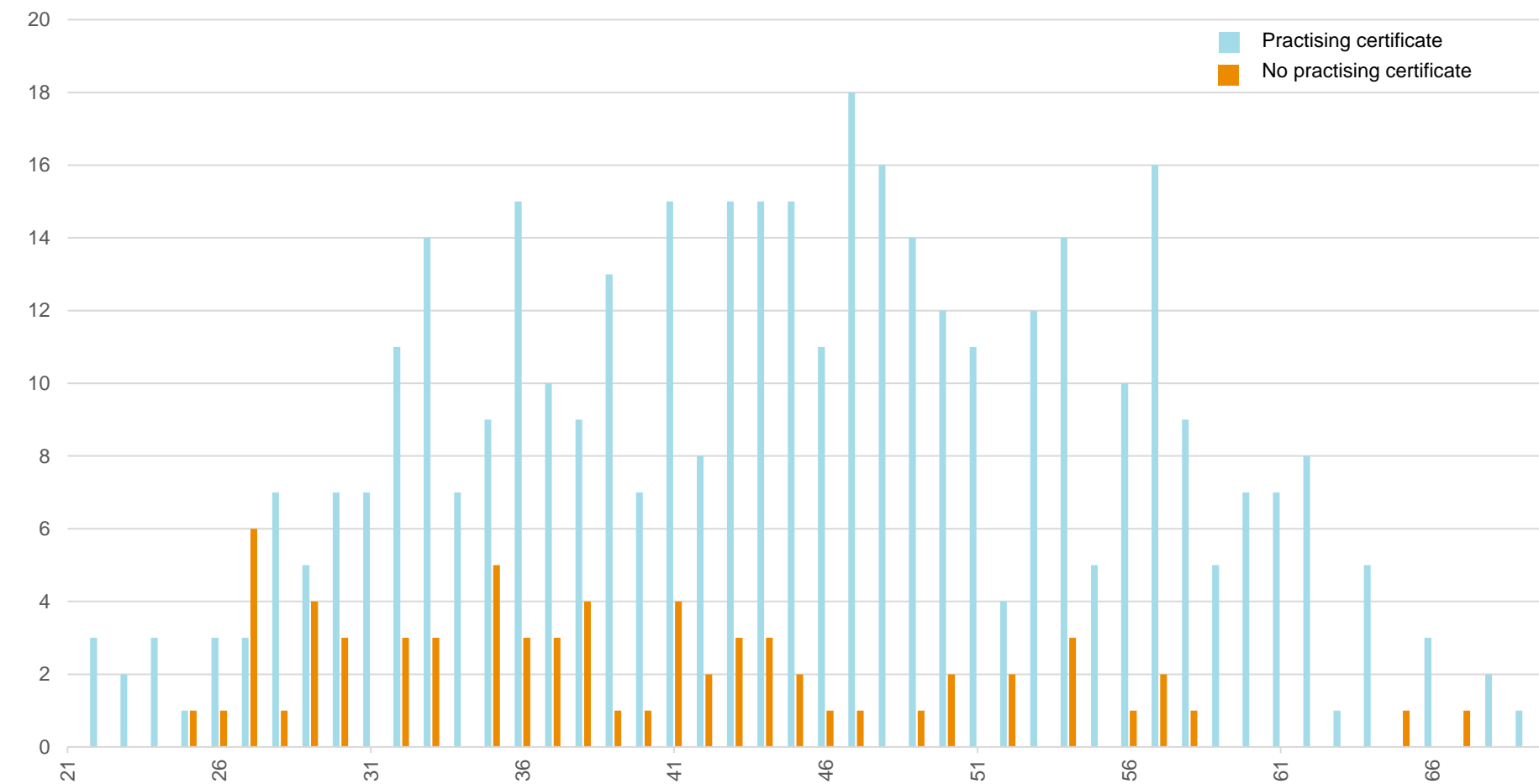
Table 5-4. Age of dental technicians and clinical dental technicians by practising certificate status, as at 31 March 2019

Age bands	Practising certificate (%)	No practising certificate (%)
15 - 24	20 (5.5)	—
25 - 29	46 (12.7)	6 (13.6)
30 - 34	49 (13.6)	6 (13.6)
35 - 39	37 (10.2)	5 (11.4)
40 - 44	34 (9.4)	8 (18.2)
45 - 49	44 (12.2)	6 (13.6)
50 - 54	38 (10.5)	7 (15.9)
55 - 59	38 (10.5)	1 (2.3)
60 - 64	34 (9.4)	2 (4.5)
65 - 69	12 (3.3)	2 (4.5)
70 - 74	9 (2.5)	—
75 +	—	1 (2.3)
<b>Total</b>	<b>361</b>	<b>44</b>

(Data source: Dental register)

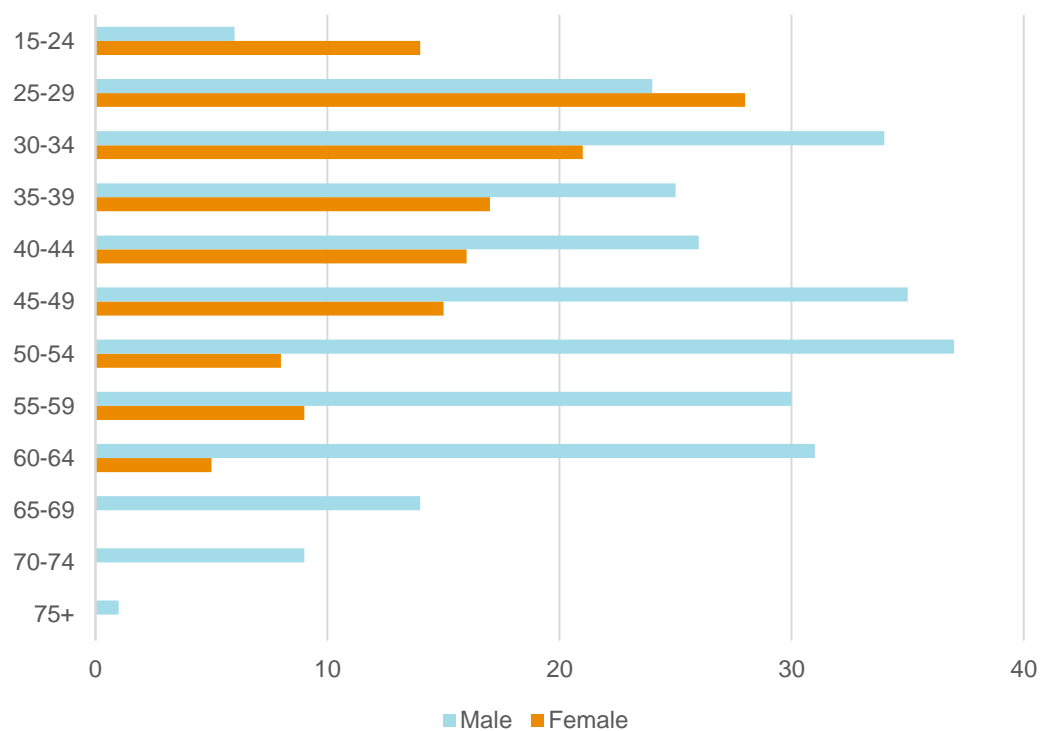


Figure 5-3. Age of dental technicians and clinical dental technicians by practising certificate status, as at 31 March 2019



(Data source: Dental register)

Figure 5-4. Age of registered dental technicians and clinical dental technicians by gender, as at 31 March 2019



(Data source: Dental register)

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

	Gender	Practising certificate	No practising certificate	Total
2018	Female	114 (31.5)	16 (35.6)	130 (31.9)
	Male	248 (68.5)	29 (64.4)	277 (68.1)
	Total	<b>362 (88.9)</b>	<b>45 (11.1)</b>	<b>407</b>
2019	Female	113 (31.3)	20 (45.5)	133 (32.8)
	Male	248 (68.7)	24 (54.5)	272 (67.2)
	Total	<b>361 (89.1)</b>	<b>44 (10.9)</b>	<b>405</b>

(Data source: Dental register)

Table 5-6. Self-identification of ethnicity by practising dental technicians and clinical dental technicians based on 2019 data

<b>Ethnicity</b>	<b>Count</b>	<b>Ethnicity</b>	<b>Count</b>
Māori	10 (2.8) <sup>a</sup>	Russian	2 (0.6)
New Zealand European	159 (44.0)	Samoa	2 (0.6)
Chinese	53 (14.7)	Thai	2 (0.6)
Korean	43 (11.9)	African	1 (0.3)
South African	19 (5.3)	African American	1 (0.3)
German	15 (4.2)	Asian	1 (0.3)
Japanese	15 (4.2)	Australian	1 (0.3)
British	14 (3.9)	Fijian Indian	1 (0.3)
Indian	12 (3.3)	French	1 (0.3)
New Zealander	9 (2.5)	Hong Kong Chinese	1 (0.3)
Taiwanese	8 (2.2)	Hungarian	1 (0.3)
European	7 (1.9)	Iranian/Persian	1 (0.3)
Iraqi	6 (1.7)	Irish	1 (0.3)
Malaysian Chinese	5 (1.4)	Italian	1 (0.3)
Fijian	4 (1.1)	Pakistani	1 (0.3)
Middle Eastern	4 (1.1)	Scottish	1 (0.3)
Cambodian	3 (0.8)	Southeast Asian	1 (0.3)
Dutch	3 (0.8)	Tongan	1 (0.3)
Egyptian	3 (0.8)	Zimbabwean European	1 (0.3)
Malay	3 (0.8)	Not Stated	35 (9.7)
Ukrainian	3 (0.8)	<b>TOTAL<sup>b</sup></b>	<b>463</b>
Afghani	2 (0.6)		
English	2 (0.6)		
Other Ethnicity	2 (0.6)		
Romanian	2 (0.6)		

<sup>a</sup> Denominator used for percentage values is total practising dental and clinician dental technicians

<sup>b</sup> Total is greater than number of practising dental technicians due to self-identification of multiple ethnicities  
(Data sources: Workforce survey)

Table 5-7. Scope of practice registrations

	Scopes of practice	Total
2018	Dental technology practice	172
	Clinical dental technology practice	235
	Implant overdentures in clinical dental technology	16
2019	Dental technology practice	185
	Clinical dental technology practice	220
	Implant overdentures in clinical dental technology	16

(Data source: Dental register)

Table 5-8. Type of primary employment of practising dental technicians and clinical dental technicians

		Dental technicians (%)	Clinical dental technicians (%)	Total number (%)	Total %
2018	Self-employed				
	Solo practice	29 (42.0)	59 (55.7)	88 (50.3)	24.3
	Group practice	40 (58.0)	47 (44.3)	87 (49.7)	24.0
	Subtotal	<b>69</b>	<b>106</b>	<b>175</b>	<b>48.3</b>
	Employee				
	Private practice	23 (67.6)	48 (71.6)	71 (70.3)	19.6
	DHB	4 (11.8)	14 (20.9)	18 (17.8)	5.0
	Universities	4 (11.8)	4 (6.0)	8 (7.9)	2.2
	Government department, not MOH	1 (2.9)	—	1 (1.0)	0.3
	Ministry of Health	1 (2.9)	—	1 (1.0)	0.3
	Iwi	1 (2.9)	1 (1.5)	2 (2.0)	0.6
	Subtotal	<b>34</b>	<b>67</b>	<b>101</b>	<b>27.9</b>
	Other forms of employment	1	—	1	0.3
	Practising overseas	8	5	13	3.6
	No reply to question	26	46	72	19.9
	Total	<b>138</b>	<b>224</b>	<b>362</b>	
2019	Self-employed				
	Solo practice	45 (81.8)	87 (87.0)	132 (85.2)	36.6
	Group practice	10 (18.2)	13 (13.0)	23 (14.8)	6.4
	Subtotal	<b>55</b>	<b>100</b>	<b>155</b>	<b>42.9</b>
	Employee				
	Private practice	23 (79.3)	40 (71.4)	63 (74.1)	17.5
	DHB	4 (13.8)	8 (14.3)	12 (14.1)	3.3
	Universities	1 (3.4)	8 (14.3)	9 (10.6)	2.5
	Government department, not MOH	1 (3.4)	—	1 (1.2)	0.3
	Subtotal	<b>29</b>	<b>56</b>	<b>85</b>	<b>23.5</b>
	Other forms of employment	1	6	7	1.9
	No reply to question	73	41	114	31.6
	Total	<b>158</b>	<b>203</b>	<b>361</b>	

(Data source: Workforce survey)

Table 5-9. Practising pattern reported by dental technicians and clinical dental technicians during workforce reporting year

Employment status		Total (%)
2018	Practising in New Zealand	311 (91.7)
	Practising overseas	6 (1.8)
	Overseas and not practising	2 (0.6)
	In NZ but not practising	20 (5.9)
	<b>Total</b>	<b>339</b>
	Practising status not stated	68
2019	Practising in New Zealand	329 (89.9)
	Practising overseas	7 (1.9)
	Overseas and not practising	9 (2.5)
	In NZ but not practising	21 (5.7)
	<b>Total</b>	<b>366</b>
	Practising status not stated	39

(Data source: Workforce survey)

Table 5-10. Reasons for part-time practice by dental technicians and clinical dental technicians practising in New Zealand

	Reason for practising part-time	Females (%)	Males (%)	Total (%)
2018	Engaged in non-dental work	—	3 (10.3)	3 (5.4)
	Insufficient dental work	3 (11.1)	6 (20.7)	9 (16.1)
	Semi-retired	—	4 (13.8)	4 (7.1)
	Parental responsibilities	11 (40.7)	2 (6.9)	13 (23.2)
	Personal choice	4 (14.8)	9 (31.0)	13 (23.2)
	Studying	3 (11.1)	1 (3.4)	4 (7.1)
	Health issues	3 (11.1)	1 (3.4)	4 (7.1)
	Other	3 (11.1)	3 (10.3)	6 (10.7)
	Total working part time	<b>27 (48.2)</b>	<b>29 (51.8)</b>	<b>56</b>
2019	Engaged in non-dental work	1 (11.1)	1 (6.3)	2 (8.0)
	Semi-retired	—	4 (25.0)	4 (16.0)
	Personal choice	6 (66.7)	7 (43.8)	13 (52.0)
	Studying	1 (11.1)	1 (6.3)	2 (8.0)
	Health issues	—	1 (6.3)	1 (4.0)
	Other	1 (11.1)	2 (12.5)	3 (12.0)
	Total working part time	<b>9 (36.0)</b>	<b>16 (64.0)</b>	<b>25</b>

(Data source: Workforce survey)



Table 5-11. Geographic distribution of practising dental technicians and clinical dental technicians by Territorial Authority (TA), for 2018

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Far North	2 (0.9)	—	2 (0.6)
Whangarei	5 (2.2)	4 (2.9)	9 (2.5)
Kaipara	—	1 (0.7)	1 (0.3)
Auckland unitary authority	69 (30.8)	65 (47.1)	134 (37.0)
Thames-Coromandel District	1 (0.4)	—	1 (0.3)
Hauraki District	—	—	—
Waikato District	—	1 (0.7)	1 (0.3)
Matamata-Piako District	1 (0.4)	—	1 (0.3)
Hamilton City	15 (6.7)	3 (2.2)	18 (5.0)
Waipa District	3 (1.3)	—	3 (0.8)
Otorohanga District	—	—	—
South Waikato District	—	—	—
Waitomo District	—	—	—
Taupo District	3 (1.3)	—	3 (0.8)
Western Bay of Plenty District	—	1 (0.7)	1 (0.3)
Tauranga City	4 (1.8)	2 (1.4)	6 (1.7)
Rotorua District	3 (1.3)	—	3 (0.8)
Whakatane District	2 (0.9)	1 (0.7)	3 (0.8)
Kawerau District	1 (0.4)	—	1 (0.3)
Opotiki District	—	—	—
Gisborne District	3 (1.3)	1 (0.7)	4 (1.1)
Wairoa District	—	—	—
Hastings District	1 (0.4)	1 (0.7)	2 (0.6)
Napier City	7 (3.1)	1 (0.7)	8 (2.2)
Central Hawke's Bay District	—	—	—
New Plymouth District	3 (1.3)	1 (0.7)	4 (1.1)
Stratford District	—	—	—
South Taranaki District	—	—	—
Ruapehu District	—	—	—
Wanganui District	1 (0.4)	—	1 (0.3)
Rangitikei District	—	—	—
Manawatu District	1 (0.4)	—	1 (0.3)
Palmerston North City	5 (2.2)	3 (2.2)	8 (2.2)
Tararua District	—	—	—
Horowhenua District	1 (0.4)	—	1 (0.3)
Kapiti Coast District	2 (0.9)	1 (0.7)	3 (0.8)
Porirua City	3 (1.3)	1 (0.7)	4 (1.1)
Upper Hutt City	2 (0.9)	2 (1.4)	4 (1.1)

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Lower Hutt City	4 (1.8)	1 (0.7)	5 (1.4)
Wellington City	10 (4.5)	9 (6.5)	19 (5.2)
Masterton District	1 (0.4)	—	1 (0.3)
Carterton District	—	—	—
South Wairarapa District	—	—	—
Tasman District	1 (0.4)	1 (0.7)	2 (0.6)
Nelson City	4 (1.8)	5 (3.6)	9 (2.5)
Marlborough District	3 (1.3)	3 (2.2)	6 (1.7)
Kaikoura District	1 (0.4)	—	1 (0.3)
Buller District	—	—	—
Grey District	—	—	—
Westland District	—	—	—
Hurunui District	—	—	—
Waimakariri District	3 (1.3)	—	3 (0.8)
Christchurch City	27 (12.1)	12 (8.7)	39 (10.8)
Selwyn District	2 (0.9)	—	2 (0.6)
Ashburton District	1 (0.4)	—	1 (0.3)
Timaru District	3 (1.3)	1 (0.7)	4 (1.1)
Mackenzie District	—	—	—
Waimate District	—	—	—
Chatham Islands Territory	—	—	—
Waitaki District	1 (0.4)	1 (0.7)	2 (0.6)
Central Otago District	1 (0.4)	—	1 (0.3)
Queenstown-Lakes District	2 (0.9)	2 (1.4)	4 (1.1)
Dunedin City	19 (8.5)	14 (10.1)	33 (9.1)
Clutha District	—	—	—
Southland District	—	—	—
Gore District	—	—	—
Invercargill City	2 (0.9)	—	2 (0.6)
Areas outside of TA	1 (0.4)	—	1 (0.3)
TA code not available	—	—	—
<b>Total</b>	<b>224</b>	<b>138</b>	<b>362</b>

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

Table 5-12. Population to practising dental technicians and clinical dental technicians by TA, for 2018

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+
Far North	67,900	53,400	26,700	3.7
Whangarei	94,100	74,600	8,289	12.1
Kaipara	23,700	19,100	19,100	5.2
Auckland	1,654,800	1,330,700	9,931	10.1
Thames-Coromandel District	30,700	26,100	26,100	3.8
Hauraki District	20,700	16,900	—	—
Waikato District	78,200	60,200	60,200	1.7
Matamata-Piako District	35,300	28,200	28,200	3.5
Hamilton City	168,600	133,200	7,400	13.5
Waipa District	55,000	43,800	14,600	6.8
Otorohanga District	10,500	8,150	—	—
South Waikato District	24,800	19,100	—	—
Waitomo District	9,630	7,520	—	—
Taupo District	38,600	30,800	10,267	9.7
Western Bay of Plenty District	53,400	43,600	43,600	2.3
Tauranga City	142,000	113,800	18,967	5.3
Rotorua District	74,800	58,400	19,467	5.1
Whakatane District	37,100	28,900	9,633	10.4
Kawerau District	7,460	5,700	5,700	17.5
Opotiki District	9,670	7,530	—	—
Gisborne District	49,500	37,900	9,475	10.6
Wairoa District	8,720	6,700	—	—
Hastings District	84,700	66,600	33,300	3.0
Napier City	64,200	51,700	6,463	15.5
Central Hawke's Bay District	14,650	11,600	—	—
New Plymouth District	83,300	66,500	16,625	6.0
Stratford District	9,710	7,640	—	—
South Taranaki District	28,300	22,000	—	—
Ruapehu District	12,750	9,950	—	—
Wanganui District	46,800	37,700	37,700	2.7
Rangitikei District	15,450	12,300	—	—
Manawatu District	31,100	24,700	24,700	4.0
Palmerston North City	88,300	71,100	8,888	11.3
Taranua District	18,450	14,550	—	—
Horowhenua District	34,500	28,200	28,200	3.5
Kapiti Coast District	55,200	45,700	15,233	6.6
Porirua City	58,900	45,200	11,300	8.8
Upper Hutt City	45,400	36,700	9,175	10.9

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to- technicians ratio	Technicians per 100,000 population aged 15+
Lower Hutt City	108,600	87,000	17,400	5.7
Wellington City	211,200	177,900	9,363	10.7
Masterton District	26,400	21,400	21,400	4.7
Carterton District	9,510	7,730	—	—
South Wairarapa District	10,900	8,950	—	—
Tasman District	54,000	44,400	22,200	4.5
Nelson City	52,700	43,500	4,833	20.7
Marlborough District	48,700	40,300	6,717	14.9
Kaikoura District	4,060	3,410	3,410	29.3
Buller District	9,850	8,240	—	—
Grey District	13,750	11,150	—	—
Westland District	8,830	7,380	—	—
Hurunui District	12,950	10,500	—	—
Waimakariri District	61,300	49,700	16,567	6.0
Christchurch City	383,800	318,700	8,172	12.2
Selwyn District	63,300	49,500	24,750	4.0
Ashburton District	34,600	27,600	27,600	3.6
Timaru District	47,600	39,200	9,800	10.2
Mackenzie District	5,100	4,260	—	—
Waimate District	8,120	6,730	—	—
Chatham Islands Territory	690	580	—	—
Waitaki District	22,900	18,700	9,350	10.7
Central Otago District	22,200	18,500	18,500	5.4
Queenstown-Lakes District	42,500	35,800	8,950	11.2
Dunedin City	131,200	110,900	3,361	29.8
Clutha District	18,050	14,650	—	—
Southland District	31,900	25,300	—	—
Gore District	12,800	10,350	—	—
Invercargill City	55,900	45,100	22,550	4.4
Areas outside of TA	40	40	—	—
Missing TA	—	—	—	—
<b>Total<sup>b</sup></b>	<b>4,900,340</b>	<b>3,953,910</b>	<b>10,922.4</b>	<b>9.2</b>

<sup>a</sup> Population estimate as at 30 June 2018

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

Table 5-13. Geographic distribution of practising dental technicians and clinical dental technicians by TA, for 2019

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Far North	2 (1.0)	—	2 (0.6)
Whangarei	6 (3.0)	3 (1.9)	9 (2.5)
Kaipara	—	1 (0.6)	1 (0.3)
Auckland unitary authority	63 (31.0)	66 (41.8)	129 (35.7)
Thames-Coromandel District	1 (0.5)	—	1 (0.3)
Hauraki District	—	—	—
Waikato District	—	—	—
Matamata-Piako District	1 (0.5)	—	1 (0.3)
Hamilton City	14 (6.9)	3 (1.9)	17 (4.7)
Waipa District	1 (0.5)	1 (0.6)	2 (0.6)
Otorohanga District	—	—	—
South Waikato District	—	—	—
Waitomo District	—	—	—
Taupo District	2 (1.0)	—	2 (0.6)
Western Bay of Plenty District	—	1 (0.6)	1 (0.3)
Tauranga City	4 (2.0)	2 (1.3)	6 (1.7)
Rotorua District	3 (1.5)	—	3 (0.8)
Whakatane District	2 (1.0)	2 (1.3)	4 (1.1)
Kawerau District	1 (0.5)	—	1 (0.3)
Opotiki District	—	—	—
Gisborne District	2 (1.0)	1 (0.6)	3 (0.8)
Wairoa District	—	—	—
Hastings District	1 (0.5)	1 (0.6)	2 (0.6)
Napier City	7 (3.4)	2 (1.3)	9 (2.5)
Central Hawke's Bay District	—	—	—
New Plymouth District	3 (1.5)	1 (0.6)	4 (1.1)
Stratford District	—	—	—
South Taranaki District	—	—	—
Ruapehu District	—	—	—
Wanganui District	1 (0.5)	—	1 (0.3)
Rangitikei District	—	—	—
Manawatu District	—	—	—
Palmerston North City	3 (1.5)	5 (3.2)	8 (2.2)
Tararua District	—	—	—
Horowhenua District	1 (0.5)	—	1 (0.3)
Kapiti Coast District	2 (1.0)	1 (0.6)	3 (0.8)
Porirua City	2 (1.0)	2 (1.3)	4 (1.1)
Upper Hutt City	2 (1.0)	3 (1.9)	5 (1.4)

TA area	Number of dental technicians (%)	Number of clinical dental technicians (%)	Total (%)
Lower Hutt City	3 (1.5)	1 (0.6)	4 (1.1)
Wellington City	10 (4.9)	8 (5.1)	18 (5.0)
Masterton District	1 (0.5)	—	1 (0.3)
Carterton District	—	—	—
South Wairarapa District	—	—	—
Tasman District	1 (0.5)	1 (0.6)	2 (0.6)
Nelson City	4 (2.0)	5 (3.2)	9 (2.5)
Marlborough District	3 (1.5)	1 (0.6)	4 (1.1)
Kaikoura District	—	1 (0.6)	1 (0.3)
Buller District	—	—	—
Grey District	—	—	—
Westland District	—	—	—
Hurunui District	—	—	—
Waimakariri District	3 (1.5)	—	3 (0.8)
Christchurch City	24 (11.8)	15 (9.5)	39 (10.8)
Selwyn District	1 (0.5)	1 (0.6)	2 (0.6)
Ashburton District	1 (0.5)	—	1 (0.3)
Timaru District	1 (0.5)	4 (2.5)	5 (1.4)
Mackenzie District	—	—	—
Waimate District	—	—	—
Chatham Islands Territory	—	—	—
Waitaki District	1 (0.5)	2 (1.3)	3 (0.8)
Central Otago District	1 (0.5)	—	1 (0.3)
Queenstown-Lakes District	2 (1.0)	2 (1.3)	4 (1.1)
Dunedin City	17 (8.4)	15 (9.5)	32 (8.9)
Clutha District	—	—	—
Southland District	—	—	—
Gore District	—	—	—
Invercargill City	2 (1.0)	—	2 (0.6)
Areas outside of TA	1 (0.5)	—	1 (0.3)
TA code not available	3 (1.5)	7 (4.4)	10 (2.8)
<b>Total</b>	<b>203</b>	<b>158</b>	<b>361</b>

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

Table 5-14. Population to practising dental technicians and clinical dental technicians by TA, for 2019

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+
Far North	69,300	54,700	27,350	3.7
Whangarei	96,000	76,300	8,478	11.8
Kaipara	24,400	19,800	19,800	5.1
Auckland	1,680,500	1,352,400	10,484	9.5
Thames-Coromandel District	31,300	26,700	26,700	3.7
Hauraki District	21,000	17,100	—	—
Waikato District	80,400	62,100	—	—
Matamata-Piako District	35,800	28,700	28,700	3.5
Hamilton City	172,300	136,200	8,012	12.5
Waipa District	56,300	44,800	22,400	4.5
Otorohanga District	10,600	8,250	—	—
South Waikato District	25,100	19,400	—	—
Waitomo District	9,650	7,550	—	—
Taupo District	39,300	31,500	15,750	6.3
Western Bay of Plenty District	54,800	44,900	44,900	2.2
Tauranga City	146,200	117,300	19,550	5.1
Rotorua District	75,800	59,200	19,733	5.1
Whakatane District	37,600	29,300	7,325	13.7
Kawerau District	7,600	5,820	5,820	17.2
Opotiki District	9,850	7,670	—	—
Gisborne District	50,100	38,400	12,800	7.8
Wairoa District	8,810	6,760	—	—
Hastings District	86,100	67,900	33,950	2.9
Napier City	65,200	52,600	5,844	17.1
Central Hawke's Bay District	14,900	11,800	—	—
New Plymouth District	84,600	67,500	16,875	5.9
Stratford District	9,810	7,710	—	—
South Taranaki District	28,500	22,200	—	—
Ruapehu District	12,750	9,950	—	—
Wanganui District	47,300	38,100	38,100	2.6
Rangitikei District	15,550	12,400	—	—
Manawatu District	31,600	25,100	—	—
Palmerston North City	89,100	71,700	8,963	11.2
Tararua District	18,650	14,750	—	—
Horowhenua District	35,300	28,900	28,900	3.5
Kapiti Coast District	56,000	46,500	15,500	6.5
Porirua City	59,800	46,100	11,525	8.7
Upper Hutt City	46,100	37,300	7,460	13.4

	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+
Lower Hutt City	109,800	88,100	22,025	4.5
Wellington City	213,100	180,200	10,011	10.0
Masterton District	26,900	21,800	21,800	4.6
Carterton District	9,710	7,910	—	—
South Wairarapa District	11,100	9,150	—	—
Tasman District	55,100	45,600	22,800	4.4
Nelson City	53,600	44,300	4,922	20.3
Marlborough District	49,400	40,900	10,225	9.8
Kaikoura District	4,120	3,450	3,450	29.0
Buller District	9,720	8,190	—	—
Grey District	13,750	11,150	—	—
Westland District	8,840	7,400	—	—
Hurunui District	13,100	10,600	—	—
Waimakariri District	62,800	51,100	17,033	5.9
Christchurch City	387,700	322,300	8,264	12.1
Selwyn District	66,300	51,900	25,950	3.9
Ashburton District	35,000	27,900	27,900	3.6
Timaru District	47,900	39,400	7,880	12.7
Mackenzie District	5,270	4,420	—	—
Waimate District	8,180	6,820	—	—
Chatham Islands Territory	710	600	—	—
Waitaki District	23,200	19,100	6,367	15.7
Central Otago District	23,100	19,300	19,300	5.2
Queenstown-Lakes District	44,800	37,800	9,450	10.6
Dunedin City	132,300	112,100	3,503	28.5
Clutha District	18,150	14,750	—	—
Southland District	32,100	25,500	—	—
Gore District	12,800	10,400	—	—
Invercargill City	56,600	45,700	22,850	4.4
Areas outside of TA	40	40	40	—
Missing TA	—	—	—	—
<b>Total<sup>b</sup></b>	<b>4,979,160</b>	<b>4,023,240</b>	<b>11,144.7</b>	<b>9.0</b>

<sup>a</sup> Population estimate as at 30 June 2019

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



Table 5-15. Population to practising dental technicians and clinical dental technicians by district health board (DHB), for 2018

	No with practising certificates	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+ years
Northland	12	185,800	147,200	12,267	8.2
Waitemata	64	615,100	495,300	7,739	12.9
Auckland	39	493,300	412,400	10,574	9.5
Counties-Manukau	31	567,000	439,100	14,165	7.1
Waikato	24	421,000	333,500	13,896	7.2
Lakes	6	113,400	89,200	14,867	6.7
Bay of Plenty	11	249,700	199,600	18,145	5.5
Tairāwhiti	4	49,500	37,900	9,475	10.6
Taranaki	10	121,300	96,200	9,620	10.4
Hawke's Bay	4	172,300	136,600	34,150	2.9
MidCentral	10	181,700	146,200	14,620	6.8
Whanganui	1	66,700	53,400	53,400	1.9
Capital and Coast	26	315,900	261,200	10,046	10.0
Hutt	9	153,900	123,600	13,733	7.3
Wairarapa	1	46,800	38,100	38,100	2.6
Nelson-Marlborough	17	155,500	128,300	7,547	13.3
West Coast	—	32,400	26,700	—	—
Canterbury	46	560,800	460,000	10,000	10.0
South Canterbury	4	60,900	50,200	12,550	8.0
Southern	42	337,400	279,300	6,650	15.0
Areas outside of DHB	—	200	190	—	—
Unknown	1	—	—	—	—
<b>Total</b>	<b>362</b>	<b>4,900,600</b>	<b>3,954,190</b>	<b>10,923</b>	<b>9.2</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals  
(Data sources: Workforce survey and Ministry of Health)

Table 5-16. Population to practising dental technicians and clinical dental technicians by DHB, for 2019

	No with practising certificates	Total population <sup>a</sup>	Population aged 15+ years <sup>a</sup>	Population aged 15+ years-to-technicians ratio	Technicians per 100,000 population aged 15+ years
Northland	12	189,600	150,600	12,550	8.0
Waitemata	59	624,700	503,100	8,527	11.7
Auckland	38	498,100	417,300	10,982	9.1
Counties-Manukau	32	579,200	448,700	14,022	7.1
Waikato	21	428,900	340,300	16,205	6.2
Lakes	5	115,100	90,700	18,140	5.5
Bay of Plenty	12	256,100	205,000	17,083	5.9
Tairāwhiti	3	50,100	38,400	12,800	7.8
Taranaki	11	122,900	97,300	8,845	11.3
Hawke's Bay	4	175,000	139,000	34,750	2.9
MidCentral	9	184,200	148,300	16,478	6.1
Whanganui	1	67,400	54,000	54,000	1.9
Capital and Coast	25	319,400	265,000	10,600	9.4
Hutt	9	155,900	125,400	13,933	7.2
Wairarapa	1	47,700	38,900	38,900	2.6
Nelson-Marlborough	15	158,100	130,800	8,720	11.5
West Coast	—	32,300	26,800	—	—
Canterbury	46	569,700	467,900	10,172	9.8
South Canterbury	5	61,400	50,700	10,140	9.9
Southern	42	343,000	284,600	6,776	14.8
Areas outside of DHB	—	210	200	—	—
Unknown	11	—	—	—	—
<b>Total</b>	<b>361</b>	<b>4,979,010</b>	<b>4,023,000</b>	<b>11,144</b>	<b>9.0</b>

<sup>a</sup> Due to rounding, individual figures may not always sum to the stated totals  
(Data sources: Workforce survey and Ministry of Health)

Table 5-17. Postgraduate training undertaken by dental technicians and clinical dental technicians

	Expected year of completion	Current APC (%)	No current APC (%)	Overall (%)
2018	2017	13 (56.5)	2 (50.0)	15 (55.6)
	2018	1 (4.3)	—	1 (3.7)
	2019	8 (34.8)	2 (50.0)	10 (37.0)
	Not stated/unsure	1 (4.3)	—	1 (3.7)
	Total in postgraduate training	<b>23 (85.2)</b>	<b>4 (14.8)</b>	<b>27</b>
2019	2019	13 (92.9)	—	13 (86.7)
	2020	—	1 (100.0)	1 (6.7)
	Not stated/unsure	1 (7.1)	—	1 (6.7)
	Total in postgraduate training	<b>14 (93.3)</b>	<b>1 (6.7)</b>	<b>15</b>

(Data source: Workforce survey)

11 of the postgraduate training reported in 2019 related to clinical dental technology; the other four related to other dentistry areas.

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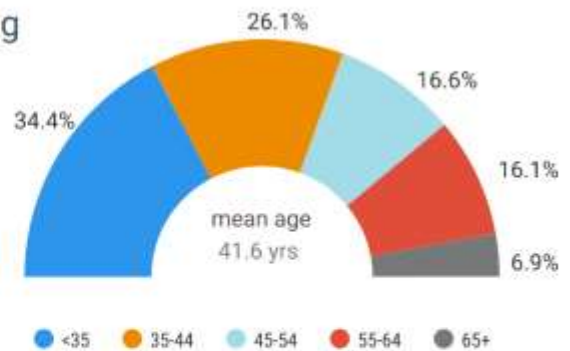
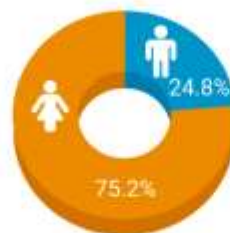
## Section 6: The Māori oral health practitioners' workforce

# Māori oral health practitioners

2019 workforce at a glance



218 practising



## Primary employment

Self-employed 30.3%



8.3% Solo practice



22.0% Group practice

Employees 57.8%



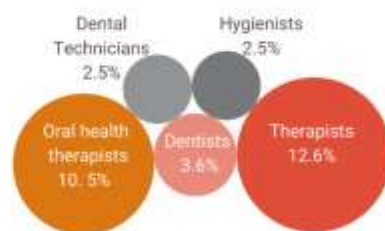
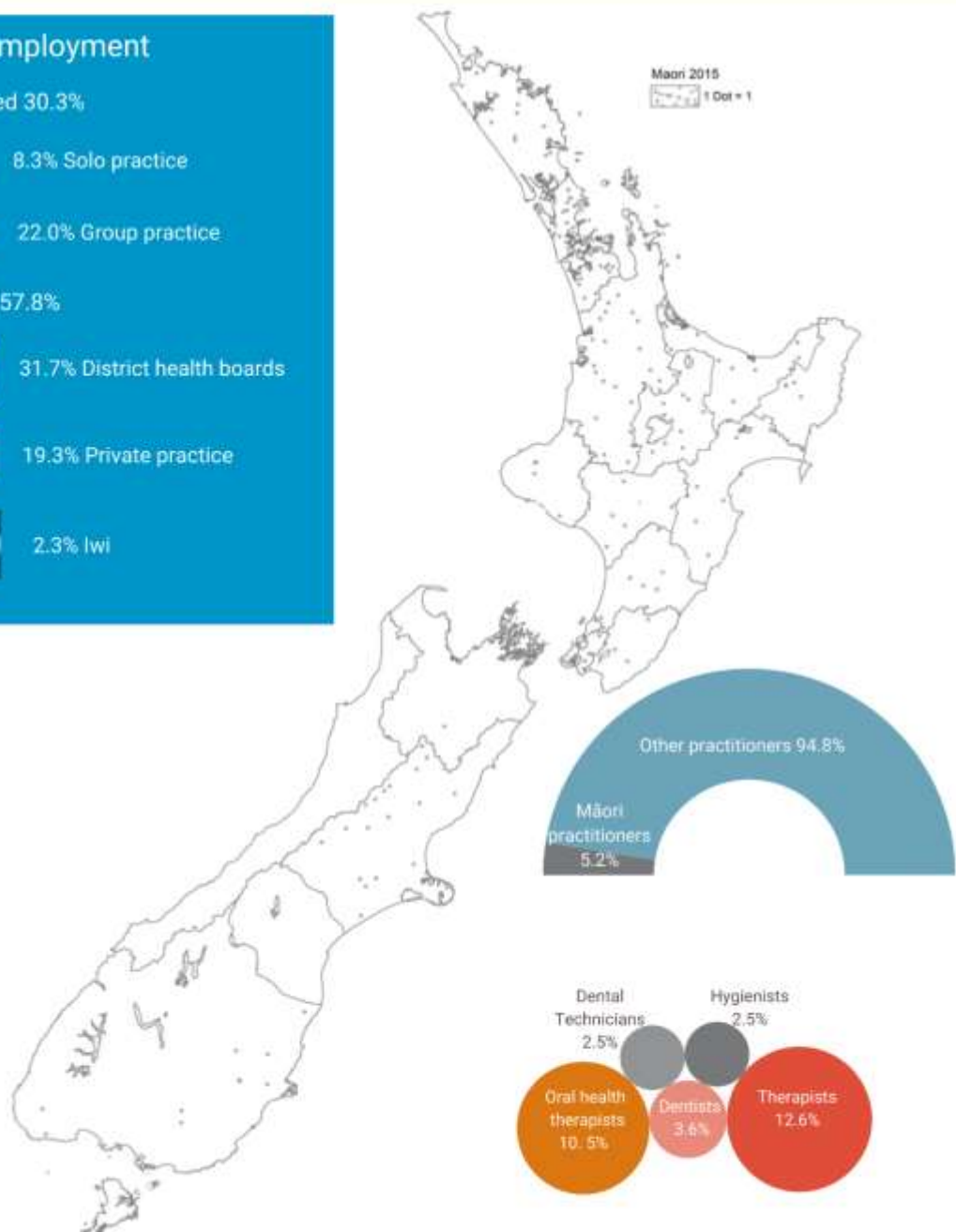
31.7% District health boards



19.3% Private practice



2.3% Iwi



## Executive summary Māori oral health practitioners

### Māori representation

Māori made up 5.2% (218) of the total practising oral health workforce in 2019, slightly down from the 2018 level of 5.3% (220). The largest proportional representation continued to be in dental therapy (12.6%), followed by oral health therapists (10.5%). In absolute terms the largest group was in the dentist and dentist specialist group (89). <sup>Table 6-1</sup>

Table 6-1. Māori ethnicity, self-identified by practising oral health practitioners

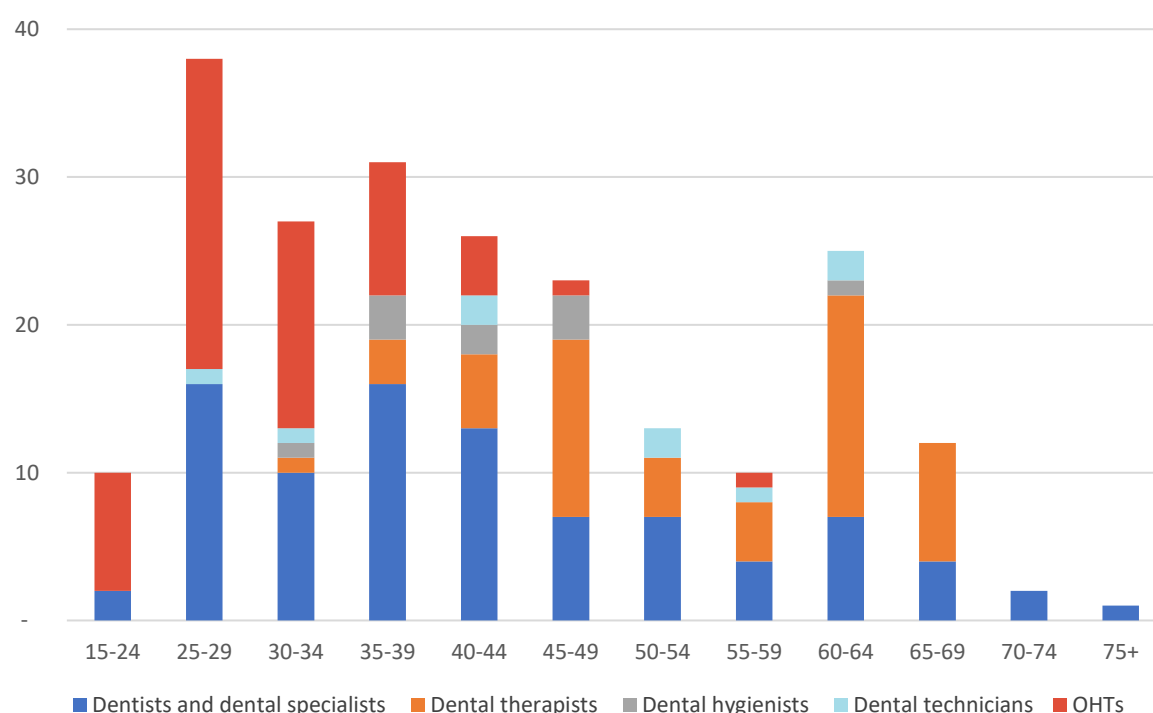
	2017				2018				2019		
	Māori	Total	% Total	% YoY	Māori	Total	% Total	% YoY	Māori	Total	% Total
Dentists and dental specialists	63	2,596	2.4	39.7	88	2,436	3.6	1.1	89	2,465	3.6
Oral health therapists	N/A				55	505	10.9	5.5	58	550	10.5
Dental therapists	90	961	9.4	— <sup>a</sup>	55	458	12.1	-5.5	52	412	12.6
Dental hygienists and orthodontic auxiliaries	47	897	5.2	— <sup>a</sup>	14	405	3.5	-28.6	10	398	2.5
Dental technicians and clinical dental technicians	7	371	1.9	14.3	8	362	2.2	12.5	9	361	2.5
Total	207	4,825	4.3	6.3	220	4,166	5.3	-0.9	218	4,186	5.2

<sup>a</sup> Shift as a result of the move of oral health graduates from the dental hygiene and dental therapy scopes of practice into the oral health therapy scope of practice

## Demographics

The age group distribution for Māori was skewed towards the younger age groups, with 25 to 29 being the largest group (17.4%). Oral health therapists (21) made up the greatest proportion of this age band followed by dentists and dental specialists (16). The profile reflected a younger growing population which looks promising for the future but needs to accelerate to match the New Zealand population profile. Figure 6-1, Table 6-3

Figure 6-1. Age band distribution of practitioners self-identified as Māori



Females made up three quarters of the Māori workforce (164, 75.2%) in 2019, increasing from 73.0% (138) in 2012. Table 6-4

## 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 their studies and with the Council.

The university records showed 4 Māori dentists graduated in 2017 and 1 in 2018. The Dental Council records showed 3 and 6 graduates with practising certificates respectively for the same years - highlighting the challenges in recording ethnicity consistently due to self-selection at time of capture.

Table 6-7

In 2018, 8 Māori oral health students graduated, followed by 4 in 2019. Table 6-8

No other Māori graduates were reported.



## Practising characteristics

Most Māori practitioners reported being employees: 126 (57.8%) vs 66 (30.3%) self-employed in 2019. Most employees worked for the DHBs (69, 31.7%) followed by private practice (42, 19.3%). Five (2.3%) employees were recorded working for Iwi. Table 6-9

## Geographical distribution

Geographical distribution of Māori oral health practitioners by territorial authorities and district health boards for 2018 and 2019 showed high variation in distribution between the different oral health professions. For dentists the highest proportion was in Auckland (28.1% for TAs) and in Waitemata for DHBs (12.4%) with highest concentrations in the North Island.

The highest number of Māori dental therapists reported was in Auckland (15, 28.8% for TA). Similarly, Auckland had the highest proportion for oral health therapy (21, 36.2% for TA), and dental hygiene (4, 40.0%). Whakatane had the highest reported proportion of dental technicians and clinical dental technicians (2, 22.2%). Table 6-10 -Table 6-19.

## Māori oral health practitioners workforce data tables

Table 6-2. Māori ethnicity, self-identified by practising oral health practitioners

	Ethnicity	Total (%)	Dentists and dental specialists (%)	Oral health therapists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2018	Māori	220 (5.3)	88 (3.6)	55 (10.9)	55 (12.0)	14 (3.5)	8 (2.2)
	Other	3,946 (94.7)	2,348 (96.4)	450 (89.1)	403 (88.0)	391 (96.5)	354 (97.8)
	Total	<b>4,166</b>	<b>2,436</b>	<b>505</b>	<b>458</b>	<b>405</b>	<b>362</b>
2019	Māori	218 (5.2)	89 (3.6)	58 (10.5)	52 (12.6)	10 (2.5)	9 (2.5)
	Other	3,968 (94.8)	2,376 (96.4)	492 (89.5)	360 (87.4)	388 (97.5)	352 (97.5)
	Total	<b>4,186</b>	<b>2,465</b>	<b>550</b>	<b>412</b>	<b>398</b>	<b>361</b>

(Data source: Dental register and workforce survey)

Table 6-3. Age of practising Māori oral health practitioners, as at the end of the 2019 reporting periods<sup>a</sup>

Age bands	Total (%)	Dentists and dental specialists (%)	Oral health therapists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
15 - 24	10 (4.6)	2 (2.2)	8 (13.8)	—	—	—
25 - 29	38 (17.4)	16 (18.0)	21 (36.2)	—	—	1 (11.1)
30 - 34	27 (12.4)	10 (11.2)	14 (24.1)	1 (1.9)	1 (10.0)	1 (11.1)
35 - 39	31 (14.2)	16 (18.0)	9 (15.5)	3 (5.8)	3 (30.0)	—
40 - 44	26 (11.9)	13 (14.6)	4 (6.9)	5 (9.6)	2 (20.0)	2 (22.2)
45 - 49	23 (10.6)	7 (7.9)	1 (1.7)	12 (23.1)	3 (30.0)	—
50 - 54	13 (6.0)	7 (7.9)	—	4 (7.7)	—	2 (22.2)
55 - 59	10 (4.6)	4 (4.5)	1 (1.7)	4 (7.7)	—	1 (11.1)
60 - 64	25 (11.5)	7 (7.9)	—	15 (28.8)	1 (10.0)	2 (22.2)
65 - 69	12 (5.5)	4 (4.5)	—	8 (15.4)	—	—
70 - 74	2 (0.9)	2 (2.2)	—	—	—	—
75+	1 (0.5)	1 (1.1)	—	—	—	—
<b>Total</b>	<b>218</b>	<b>89</b>	<b>58</b>	<b>52</b>	<b>10</b>	<b>9</b>

<sup>a</sup> Dentists and dental specialists reporting period ends 30 September; others end 31 March  
(Data source: Dental register)

Table 6-4. Gender of practising Māori oral health practitioners

	Gender	Total (%)	Dentists and dental specialists (%)	Oral health therapists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2018	Male	54 (24.5)	47 (53.4)	2 (3.6)	1 (1.8)	1 (7.1)	3 (37.5)
	Female	166 (75.5)	41 (46.6)	53 (96.4)	54 (98.2)	13 (92.9)	5 (62.5)
	Total	<b>220</b>	<b>88 (40.0)</b>	<b>55 (25.0)</b>	<b>55 (25.0)</b>	<b>14 (6.4)</b>	<b>8 (3.6)</b>
2019	Male	54 (24.8)	47 (52.8)	2 (3.4)	1 (1.9)	—	4 (44.4)
	Female	164 (75.2)	42 (47.2)	56 (96.6)	51 (98.1)	10 (100.0)	5 (55.6)
	Total	<b>218</b>	<b>89 (40.8)</b>	<b>58 (26.6)</b>	<b>52 (23.9)</b>	<b>10 (4.6)</b>	<b>9 (4.1)</b>

(Data source: Dental register)

Table 6-5. Scope of practice registrations for practising Māori dentists and dental specialists, by gender

		Total <sup>a</sup>	Male (row %)	Female (row %)
2018	Dentists	81	42 (51.9)	39 (48.1)
	Dental specialists	7	5 (71.4)	2 (28.6)
	Total	<b>88</b>	<b>47 (53.4)</b>	<b>41 (46.6)</b>
	Specialty			
	Endodontics	—	—	—
	Oral & Maxillofacial Surgery	—	—	—
	Oral Medicine	—	—	—
	Oral Pathology	—	—	—
	Oral Surgery	2	2 (100.0)	—
	Orthodontics	2	2 (100.0)	—
	Paediatric Dentistry	—	—	—
	Periodontology	2	1 (50.0)	1 (50.0)
	Prosthodontics	—	—	—
	Public Health Dentistry	1	—	1 (100.0)
	Restorative Dentistry	—	—	—
	Special Needs Dentistry	—	—	—
2019	Dentists	82	42 (51.2)	40 (48.8)
	Dental specialists	7	5 (71.4)	2 (28.6)
	Total	<b>89</b>	<b>47 (52.8)</b>	<b>42 (47.2)</b>
	Specialty			
	Endodontics	—	—	—
	Oral & Maxillofacial Surgery	—	—	—
	Oral Medicine	—	—	—
	Oral Pathology	—	—	—
	Oral Surgery	2	2 (100.0)	—
	Orthodontics	2	2 (100.0)	—
	Paediatric Dentistry	—	—	—
	Periodontology	2	1 (50.0)	1 (50.0)
	Prosthodontics	—	—	—
	Public Health Dentistry	1	—	1 (100.0)
	Restorative Dentistry	—	—	—
	Special Needs Dentistry	—	—	—

<sup>a</sup> A practitioner may be registered in multiple scopes of practice  
(Data source: Dental register)

Table 6-6. Cohort remainder rate for University of Otago Māori dentistry and dental specialist graduates, as at 30 September 2019

Graduation cohort	Total number of Māori domestic dental graduates	Number of Māori dental graduates with practising certificates <sup>a</sup>	Māori cohort remainder rate
1995	1	—	—
1996	7	4	57.1
1997	2	2	100.0
1998	1	1	100.0
1999	4	4	100.0
2000	4	2	50.0
2001	3	3	100.0
2002	1	-	—
2003	6	6	100.0
2004	5	4	80.0
2005	4	3	75.0
2006	7	6	85.7
2007	6	6	100.0
2008	1	—	—
2009	1	—	—
2010	5	5	100.0
2011	3	2	66.7
2012	4	3	75.0
2013	2	2	100.0
2014	3	2	66.7
2015	2	3	150.0
2016	7	4	57.1
2017	4	3	75.0
2018	1	6	600.0

<sup>a</sup> There may be differences in ethnicities recorded during the period of study and on registration  
(Data sources: Dental register and Faculty of Dentistry, University of Otago)

Table 6-7. Longitudinal analysis of the cohort remainder rate of University of Otago Māori dental graduates

	Year of graduation								
	2018	2017	2016	2015	2014	2013	2012	2011	2010
	Total number of Māori dental graduates								
	1	4	7	2	3	2	4	3	5
Practising status as at: <sup>a</sup>	Number of Māori dental graduates with practising certificates (cohort remainder rate)								
September 2019	6 (600.0)	3 (75.0)	4 (57.1)	3 (150.0)	2 (66.7)	2 (100.0)	3 (75.0)	2 (66.7)	5 (100.0)
September 2018		4 (100.0)	4 (57.1)	3 (150.0)	2 (66.7)	2 (100.0)	4 (100.0)	3 (100.0)	5 (100.0)
September 2017			—	1 (50.0)	1 (33.3)	1 (50.0)	3 (75.0)	2 (66.7)	4 (80.0)
September 2016				—	3 (100.0)	1 (50.0)	4 (100.0)	2 (66.7)	4 (80.0)
September 2015					3 (100.0)	1 (50.0)	3 (75.0)	2 (66.7)	2 (40.0)
September 2014						—	4 (100.0)	2 (66.7)	4 (80.0)
September 2013							—	2 (66.7)	4 (80.0)
September 2012								—	3 (60.0)

<sup>a</sup> There may be differences in ethnicities recorded during the period of study and on registration  
(Data sources: Dental register and Faculty of Dentistry)

Table 6-8. Longitudinal analysis of the cohort remainder rate of Māori oral health therapists

	Year of graduation								
	2018	2017	2016	2015	2014	2013	2012	2011	2010
Total number of Māori oral health graduates									
	4	8	2	3	14	6	8	3	3
Practising status as at: <sup>a</sup>	Number of Māori oral health graduates with practising certificates (cohort remainder rate)								
March 2019	7 (175.0)	7 (87.5)	3 (150.0)	3 (100.0)	11 (78.6)	6 (100.0)	6 (75.0)	4 (133.3)	2 (66.7)
March 2018		8 (100.0)	3 (150.0)	3 (100.0)	12 (85.7)	6 (100.0)	7 (87.5)	4 (133.3)	3 (100.0)
March 2017			—	1 (33.3)	9 (64.3)	3 (50.0)	7 (87.5)	3 (100.0)	1 (33.3)
March 2016				—	10 (71.4)	2 (33.3)	6 (75.0)	2 (66.7)	2 (66.7)
March 2015					12 (85.7)	5 (83.3)	6 (75.0)	3 (100.0)	2 (66.7)
March 2014						1 (16.7)	7 (87.5)	3 (100.0)	2 (66.7)
March 2013							—	3 (100.0)	2 (66.7)
March 2012								—	2 (66.7)

<sup>a</sup> There may be differences in ethnicities recorded during the period of study and on registration

(Data sources: Dental register and Faculty of Dentistry, University of Otago and Department of Oral Health, Auckland University of Technology)



Table 6-9. Type of primary employment of practising Māori oral health practitioners

	Total (%)	Dentists and dental specialists (%)	Oral health therapists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
Self-employed						
Solo practice	25 (11.4)	12 (13.6)	4 (7.3)	5 (9.1)	2 (14.3)	2 (25.0)
Group practice	56 (25.5)	29 (33.0)	17 (30.9)	2 (3.6)	7 (50.0)	1 (12.5)
Subtotal	81 (36.8)	41 (46.6)	21 (38.2)	7 (12.7)	9 (64.3)	3 (37.5)
Employee						
Private practice	45 (20.5)	18 (20.5)	12 (21.8)	7 (12.7)	5 (35.7)	3 (37.5)
DHB	48 (21.8)	4 (4.5)	15 (27.3)	29 (52.7)	—	—
Universities	8 (3.6)	3 (3.4)	3 (5.5)	—	—	2 (25.0)
Other government department, not MOH	—	—	—	—	—	—
Iwi	4 (1.8)	1 (1.1)	—	3 (5.5)	—	—
Ministry of Health	—	—	—	—	—	—
Subtotal	105 (47.7)	26 (29.5)	30 (54.5)	39 (70.9)	5 (35.7)	5 (62.5)
Other forms of employment	3 (1.4)	2 (2.3)	1 (1.8)	—	—	—
No reply to question	31 (14.1)	19 (21.6)	3 (5.5)	9 (16.4)	—	—
<b>Total</b>	<b>220</b>	<b>88</b>	<b>55</b>	<b>55</b>	<b>14</b>	<b>8</b>

	Total (%)	Dentists and dental specialists (%)	Oral health therapists (%)	Dental therapists (%)	Dental hygienists (%)	Dental technicians (%)
2019						
Self-employed						
Solo practice	18 (8.3)	12 (13.5)	1 (1.7)	1 (1.9)	—	4 (44.4)
Group practice	48 (22.0)	47 (52.8)	1 (1.7)	—	—	—
Subtotal	66 (30.3)	59 (66.3)	2 (3.4)	1 (1.9)	—	4 (44.4)
Employee						
Private practice	42 (19.3)	9 (10.1)	20 (34.5)	3 (5.8)	7 (70.0)	3 (33.3)
DHB	69 (31.7)	6 (6.7)	23 (39.7)	39 (75.0)	—	1 (11.1)
Universities	7 (3.2)	4 (4.5)	1 (1.7)	2 (3.8)	—	—
Other government department, not MOH	3 (1.4)	1 (1.1)	2 (3.4)	—	—	—
Iwi	5 (2.3)	3 (3.4)	2 (3.4)	—	—	—
Ministry of Health	—	—	—	—	—	—
Subtotal	126 (57.8)	23 (25.8)	48 (82.8)	44 (84.6)	7 (70.0)	4 (44.4)
Other forms of employment	4 (1.8)	2 (2.2)	1 (1.7)	1 (1.9)	—	—
No reply to question	22 (10.1)	5 (5.6)	7 (12.1)	6 (11.5)	3 (30.00)	1 (11.1)
Total	<b>218</b>	<b>89</b>	<b>58</b>	<b>52</b>	<b>10</b>	<b>9</b>

(Data source: Workforce survey)

Table 6-10. Geographic distribution of practising Māori dentists by Territorial Authority (TA)

TA area	2018 (%)	2019 (%)
Far North	3 (3.4)	3 (3.4)
Whangarei	1 (1.1)	1 (1.1)
Kaipara	—	—
Auckland unitary authority	27 (30.7)	25 (28.1)
Thames-Coromandel District	1 (1.1)	1 (1.1)
Hauraki District	—	—
Waikato District	2 (2.3)	2 (2.2)
Matamata-Piako District	1 (1.1)	1 (1.1)
Hamilton City	2 (2.3)	2 (2.2)
Waipa District	2 (2.3)	2 (2.2)
Otorohanga District	—	—
South Waikato District	—	—
Waitomo District	—	—
Taupo District	—	—
Western Bay of Plenty District	1 (1.1)	1 (1.1)
Tauranga City	3 (3.4)	3 (3.4)
Rotorua District	2 (2.3)	2 (2.2)
Whakatane District	1 (1.1)	1 (1.1)
Kawerau District	—	—
Opotiki District	—	—
Gisborne District	1 (1.1)	1 (1.1)
Wairoa District	—	—
Hastings District	2 (2.3)	2 (2.2)
Napier City	3 (3.4)	3 (3.4)
Central Hawke's Bay District	—	—
New Plymouth District	2 (2.3)	2 (2.2)
Stratford District	—	—
South Taranaki District	—	—
Ruapehu District	—	—
Wanganui District	—	—
Rangitikei District	—	—
Manawatu District	—	—
Palmerston North City	—	—
Tararua District	—	—
Horowhenua District	2 (2.3)	2 (2.2)
Kapiti Coast District	3 (3.4)	3 (3.4)
Porirua City	—	—
Upper Hutt City	—	—
Lower Hutt City	2 (2.3)	2 (2.2)
Wellington City	4 (4.5)	4 (4.5)

TA area	2018 (%)	2019 (%)
Masterton District	1 (1.1)	1 (1.1)
Carterton District	—	—
South Wairarapa District	—	—
Tasman District	3 (3.4)	3 (3.4)
Nelson City	—	—
Marlborough District	2 (2.3)	2 (2.2)
Kaikoura District	—	—
Buller District	—	—
Grey District	—	—
Westland District	—	—
Hurunui District	—	—
Waimakariri District	1 (1.1)	1 (1.1)
Christchurch City	5 (5.7)	5 (5.6)
Selwyn District	—	—
Ashburton District	2 (2.3)	2 (2.2)
Timaru District	—	—
Mackenzie District	—	—
Waimate District	—	—
Chatham Islands Territory	—	—
Waitaki District	1 (1.1)	1 (1.1)
Central Otago District	—	—
Queenstown-Lakes District	1 (1.1)	1 (1.1)
Dunedin City	5 (5.7)	4 (4.5)
Clutha District	—	—
Southland District	—	—
Gore District	—	—
Invercargill City	1 (1.1)	—
Area outside TA	1 (1.1)	1 (1.1)
TA code not available	—	5 (5.6)
<b>Total</b>	<b>88</b>	<b>89</b>

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

Table 6-11. Geographic distribution of practising Māori oral health therapists by Territorial Authority (TA)

TA area	2018 (%)	2019 (%)
Far North	3 (5.5)	3 (5.2)
Whangarei	1 (1.8)	1 (1.7)
Kaipara	1 (1.8)	1 (1.7)
Auckland unitary authority	23 (41.8)	21 (36.2)
Thames-Coromandel District	—	—
Hauraki District	—	—
Waikato District	1 (1.8)	1 (1.7)
Matamata-Piako District	—	—
Hamilton City	5 (9.1)	5 (8.6)
Waipa District	—	—
Otorohanga District	—	—
South Waikato District	—	—
Waitomo District	—	—
Taupo District	—	—
Western Bay of Plenty District	—	—
Tauranga City	2 (3.6)	2 (3.4)
Rotorua District	2 (3.6)	2 (3.4)
Whakatane District	—	—
Kawerau District	—	—
Opotiki District	—	—
Gisborne District	—	—
Wairoa District	—	—
Hastings District	3 (5.5)	3 (5.2)
Napier City	1 (1.8)	1 (1.7)
Central Hawke's Bay District	—	—
New Plymouth District	1 (1.8)	1 (1.7)
Stratford District	—	—
South Taranaki District	—	—
Ruapehu District	—	—
Wanganui District	1 (1.8)	1 (1.7)
Rangitikei District	—	—
Manawatu District	1 (1.8)	1 (1.7)
Palmerston North City	—	—
Tararua District	—	—
Horowhenua District	—	—
Kapiti Coast District	2 (3.6)	2 (3.4)
Porirua City	—	—
Upper Hutt City	—	—
Lower Hutt City	1 (1.8)	1 (1.7)

TA area	2018 (%)	2019 (%)
Wellington City	—	—
Masterton District	1 (1.8)	1 (1.7)
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	2 (3.6)	2 (3.4)
Selwyn District	—	—
Ashburton District	—	—
Timaru District	—	—
Mackenzie District	—	—
Waimate District	—	—
Chatham Islands Territory	—	—
Waitaki District	—	—
Central Otago District	—	—
Queenstown-Lakes District	—	—
Dunedin City	2 (3.6)	1 (1.7)
Clutha District	1 (1.8)	1 (1.7)
Southland District	—	—
Gore District	—	—
Invercargill City	1 (1.8)	—
Area outside TA	—	—
TA code not available	—	7 (12.7)
<b>Total</b>	<b>55</b>	<b>58</b>

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

Table 6-12. Geographic distribution of practising Māori dental therapists by TA

TA area	2018 (%)	2019 (%)
Far North	5 (9.1)	5 (9.6)
Whangarei	2 (3.6)	2 (3.8)
Kaipara	—	—
Auckland unitary authority	15 (27.3)	15 (28.8)
Thames-Coromandel District	2 (3.6)	2 (3.8)
Hauraki District	—	—
Waikato District	1 (1.8)	1 (1.9)
Matamata-Piako District	—	—
Hamilton City	2 (3.6)	2 (3.8)
Waipa District	—	—
Otorohanga District	—	—
South Waikato District	—	—
Waitomo District	—	—
Taupo District	1 (1.8)	1 (1.9)
Western Bay of Plenty District	—	—
Tauranga City	4 (7.3)	4 (7.7)
Rotorua District	5 (9.1)	6 (11.5)
Whakatane District	—	—
Kawerau District	—	—
Opotiki District	1 (1.8)	—
Gisborne District	—	—
Wairoa District	1 (1.8)	1 (1.9)
Hastings District	1 (1.8)	—
Napier City	—	—
Central Hawke's Bay District	—	—
New Plymouth District	1 (1.8)	1 (1.9)
Stratford District	—	—
South Taranaki District	1 (1.8)	1 (1.9)
Ruapehu District	1 (1.8)	1 (1.9)
Wanganui District	1 (1.8)	1 (1.9)
Rangitikei District	1 (1.8)	1 (1.9)
Manawatu District	—	—
Palmerston North City	1 (1.8)	1 (1.9)
Tararua District	—	—
Horowhenua District	—	—
Kapiti Coast District	1 (1.8)	1 (1.9)
Porirua City	—	—
Upper Hutt City	—	—
Lower Hutt City	2 (3.6)	1 (1.9)
Wellington City	2 (3.6)	1 (1.9)

TA area	2018 (%)	2019 (%)
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	—	—
Selwyn District	1 (1.8)	1 (1.9)
Ashburton District	—	—
Timaru District	—	—
Mackenzie District	—	—
Waimate District	—	—
Chatham Islands Territory	—	—
Waitaki District	—	—
Central Otago District	—	—
Queenstown-Lakes District	—	—
Dunedin City	2 (3.6)	2 (3.8)
Clutha District	—	—
Southland District	—	—
Gore District	1 (1.8)	1 (1.9)
Invercargill City	—	—
Area outside TA	—	—
TA code not available	—	—
<b>Total</b>	<b>55</b>	<b>52</b>

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



Table 6-13. Geographic distribution of practising Māori dental hygienists by TA

TA area	2018 (%)	2019 (%)
Far North	2 (14.3)	2 (20.0)
Whangarei	—	—
Kaipara	—	—
Auckland unitary authority	6 (42.9)	4 (40.0)
Thames-Coromandel District	—	—
Hauraki District	—	—
Waikato District	—	—
Matamata-Piako District	—	—
Hamilton City	2 (14.3)	1 (10.0)
Waipa District	—	—
Otorohanga District	—	—
South Waikato District	—	—
Waitomo District	—	—
Taupo District	—	—
Western Bay of Plenty District	—	—
Tauranga City	2 (14.3)	2 (20.0)
Rotorua District	—	—
Whakatane District	—	—
Kawerau District	—	—
Opotiki District	—	—
Gisborne District	—	—
Wairoa District	—	—
Hastings District	—	—
Napier City	—	—
Central Hawke's Bay District	—	—
New Plymouth District	1 (7.1)	—
Stratford District	—	—
South Taranaki District	—	—
Ruapehu District	—	—
Wanganui District	—	—
Rangitikei District	—	—
Manawatu District	—	—
Palmerston North City	1 (7.1)	1 (10.0)
Tararua District	—	—
Horowhenua District	—	—
Kapiti Coast District	—	—
Porirua City	—	—
Upper Hutt City	—	—
Lower Hutt City	—	—
Wellington City	—	—

TA area	2018 (%)	2019 (%)
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	—	—
Selwyn District	—	—
Ashburton District	—	—
Timaru District	—	—
Mackenzie District	—	—
Waimate District	—	—
Chatham Islands Territory	—	—
Waitaki District	—	—
Central Otago District	—	—
Queenstown-Lakes District	—	—
Dunedin City	—	—
Clutha District	—	—
Southland District	—	—
Gore District	—	—
Invercargill City	—	—
Area outside TA	—	—
TA code not available	—	—
Total	<b>14</b>	<b>10</b>

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

Table 6-14. Geographic distribution of practising Māori dental technicians by TA

TA area	2018 (%)	2019 (%)
Far North	—	—
Whangarei	1 (12.5)	1 (11.1)
Kaipara	—	—
Auckland unitary authority	1 (12.5)	1 (11.1)
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	2 (25.0)	2 (22.2)
Kawerau District	—	—
Opotiki District	—	—
Gisborne District	—	—
Wairoa District	—	—
Hastings District	—	—
Napier City	—	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	—	—
Tararua District	—	—
Horowhenua District	—	—
Kapiti Coast District	—	—
Porirua City	1 (12.5)	1 (12.5)
Upper Hutt City	1 (12.5)	1 (12.5)
Lower Hutt City	—	—
Wellington City	—	—

TA area	2018 (%)	2019 (%)
Masterton District	—	—
Carterton District	—	—
South Wairarapa District	—	—
Tasman District	—	—
Nelson City	1 (12.5)	1 (11.1)
Marlborough District	1 (12.5)	1 (11.1)
Kaikoura District	—	—
Buller District	—	—
Grey District	—	—
Westland District	—	—
Hurunui District	—	—
Waimakariri District	—	—
Christchurch City	—	—
Selwyn District	—	—
Ashburton District	—	—
Timaru District	—	—
Mackenzie District	—	—
Waimate District	—	—
Chatham Islands Territory	—	—
Waitaki District	—	—
Central Otago District	—	—
Queenstown-Lakes District	—	—
Dunedin City	—	—
Clutha District	—	—
Southland District	—	—
Gore District	—	—
Invercargill City	—	—
Area outside TA	—	—
TA code not available	—	—
<b>Total</b>	<b>8</b>	<b>9</b>

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

Table 6-15. Geographic distribution of practising Māori dentists by district health board (DHB)

	2018	2019
Northland	4 (4.5)	4 (4.5)
Waitemata	11 (12.5)	11 (12.4)
Auckland	9 (10.2)	9 (10.1)
Counties Manukau	7 (8.0)	5 (5.6)
Waikato	8 (9.1)	8 (9.0)
Lakes	2 (2.3)	2 (2.2)
Bay of Plenty	5 (5.7)	5 (5.6)
Tairāwhiti	1 (1.1)	1 (1.1)
Taranaki	2 (2.3)	2 (2.2)
Hawke's Bay	5 (5.7)	5 (5.6)
Midcentral	3 (3.4)	3 (3.4)
Whanganui	—	—
Capital and Coast	6 (6.8)	6 (6.7)
Hutt Valley	2 (2.3)	2 (2.2)
Wairarapa	1 (1.1)	1 (1.1)
Nelson Marlborough	5 (5.7)	5 (5.6)
West Coast	—	—
Canterbury	8 (9.1)	8 (9.0)
South Canterbury	—	—
Southern	8 (9.1)	6 (6.7)
Area outside DHB	—	—
Unknown	1 (1.1)	6 (6.7)
<b>Total</b>	<b>88</b>	<b>89</b>

(Data sources: Workforce survey and Ministry of Health)

Table 6-16. Geographic distribution of practising Māori oral health therapists by DHB

	2018 (%)	2019 (%)
Northland	5 (9.1)	5 (8.6)
Waitemata	11 (20.0)	10 (17.2)
Auckland	6 (10.9)	7 (12.1)
Counties Manukau	6 (10.9)	4 (6.9)
Waikato	6 (10.9)	6 (10.3)
Lakes	2 (3.6)	2 (3.4)
Bay of Plenty	2 (3.6)	2 (3.4)
Tairāwhiti	—	—
Taranaki	1 (1.8)	1 (1.7)
Hawke's Bay	4 (7.3)	4 (6.9)
Midcentral	1 (1.8)	1 (1.7)
Whanganui	1 (1.8)	1 (1.7)
Capital and Coast	2 (3.6)	2 (3.4)
Hutt Valley	1 (1.8)	1 (1.7)
Wairarapa	1 (1.8)	1 (1.7)
Nelson Marlborough	—	—
West Coast	—	—
Canterbury	2 (3.6)	2 (3.4)
South Canterbury	—	—
Southern	4 (7.3)	2 (3.4)
Area outside DHB	—	—
Unknown	—	7 (12.1)
<b>Total</b>	<b>55</b>	<b>58</b>

(Data sources: Workforce survey and Ministry of Health)

Table 6-17. Geographic distribution of practising Māori dental therapists by DHB

	2018 (%)	2019 (%)
Northland	7 (12.7)	7 (13.5)
Waitemata	5 (9.1)	5 (9.6)
Auckland	3 (5.5)	3 (5.8)
Counties Manukau	7 (12.7)	7 (13.5)
Waikato	6 (10.9)	6 (11.5)
Lakes	6 (10.9)	7 (13.5)
Bay of Plenty	5 (9.1)	4 (7.7)
Tairāwhiti	—	—
Taranaki	2 (3.6)	2 (3.8)
Hawke's Bay	2 (3.6)	1 (1.9)
Midcentral	2 (3.6)	2 (3.8)
Whanganui	2 (3.6)	2 (3.8)
Capital and Coast	2 (3.6)	1 (1.9)
Hutt Valley	2 (3.6)	1 (1.9)
Wairarapa	—	—
Nelson Marlborough	—	—
West Coast	—	—
Canterbury	1 (1.8)	1 (1.9)
South Canterbury	—	—
Southern	3 (5.5)	3 (5.8)
Area outside DHB	—	—
Unknown	—	—
<b>Total</b>	<b>55</b>	<b>52</b>

(Data sources: Workforce survey and Ministry of Health)

Table 6-18. Geographic distribution of practising Māori dental hygienists by DHB

	2018 (%)	2019 (%)
Northland	2 (14.3)	2 (20.0)
Waitemata	2 (14.3)	2 (20.0)
Auckland	3 (21.4)	2 (20.0)
Counties Manukau	1 (7.1)	—
Waikato	2 (14.3)	1 (10.0)
Lakes	—	—
Bay of Plenty	2 (14.3)	2 (20.0)
Tairāwhiti	—	—
Taranaki	1 (7.1)	—
Hawke's Bay	—	—
Midcentral	1 (7.1)	1 (10.0)
Whanganui	—	—
Capital and Coast	—	—
Hutt Valley	—	—
Wairarapa	—	—
Nelson Marlborough	—	—
West Coast	—	—
Canterbury	—	—
South Canterbury	—	—
Southern	—	—
Area outside DHB	—	—
Unknown	—	—
<b>Total</b>	<b>14</b>	<b>10</b>

(Data sources: Workforce survey and Ministry of Health)



Table 6-19. Geographic distribution of practising Māori dental technicians by DHB

	2018	2019
Northland	1 (12.5)	1 (11.1)
Waitemata	1 (12.5)	1 (11.1)
Auckland	—	—
Counties Manukau	—	—
Waikato	—	—
Lakes	—	—
Bay of Plenty	2 (25.0)	2 (22.2)
Tairāwhiti	—	—
Taranaki	—	—
Hawke's Bay	—	1 (11.1)
Midcentral	—	—
Whanganui	—	—
Capital and Coast	1 (12.5)	1 (11.1)
Hutt Valley	1 (12.5)	1 (11.1)
Wairarapa	—	—
Nelson Marlborough	2 (25.0)	2 (22.2)
West Coast	—	—
Canterbury	—	—
South Canterbury	—	—
Southern	—	—
Area outside DHB	—	—
Unknown	—	—
<b>Total</b>	<b>8</b>	<b>9</b>

(Data sources: Workforce survey and Ministry of Health)

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## Section 7: Appendices

Table 7-1. Geographic distribution of practising oral health practitioners by Territorial Authority, as at end of 2019 reporting periods

TA area	Dentists and dental specialists (%)	Oral health therapists (%)	Dental therapists (%)	Dental hygienists and orthodontic auxiliaries (%)	Dental technicians and clinical dental technicians (%)
Far North	19 (0.8)	6 (1.1)	9 (2.2)	6 (1.5)	2 (0.6)
Whangarei	46 (1.9)	5 (0.9)	11 (2.7)	10 (2.5)	9 (2.5)
Kaipara	—	2 (0.4)	3 (0.7)	—	1 (0.3)
Auckland unitary authority	787 (31.9)	224 (40.7)	109 (26.5)	124 (31.2)	129 (35.7)
Thames-Coromandel District	11 (0.4)	—	3 (0.7)	1 (0.3)	1 (0.3)
Hauraki District	3 (0.1)	2 (0.4)	—	—	—
Waikato District	8 (0.3)	2 (0.4)	3 (0.7)	4 (1.0)	—
Matamata-Piako District	13 (0.5)	1 (0.2)	3 (0.7)	1 (0.3)	1 (0.3)
Hamilton City	110 (4.5)	23 (4.2)	18 (4.4)	11 (2.8)	17 (4.7)
Waipa District	21 (0.9)	4 (0.7)	3 (0.7)	8 (2.0)	2 (0.6)
Otorohanga District	6 (0.2)	—	—	—	—
South Waikato District	5 (0.2)	—	1 (0.2)	1 (0.3)	—
Waitomo District	1 (0.0)	—	1 (0.2)	—	—
Taupo District	17 (0.7)	2 (0.4)	4 (1.0)	1 (0.3)	2 (0.6)
Western Bay of Plenty District	6 (0.2)	2 (0.4)	3 (0.7)	4 (1.0)	1 (0.3)
Tauranga City	83 (3.4)	15 (2.7)	25 (6.1)	13 (3.3)	6 (1.7)
Rotorua District	26 (1.1)	3 (0.5)	15 (3.6)	5 (1.3)	3 (0.8)
Whakatane District	11 (0.4)	4 (0.7)	3 (0.7)	—	4 (1.1)
Kawerau District	1 (0.0)	—	—	—	1 (0.3)
Opotiki District	2 (0.1)	—	1 (0.2)	—	—
Gisborne District	13 (0.5)	5 (0.9)	4 (1.0)	4 (1.0)	3 (0.8)
Wairoa District	1 (0.0)	—	3 (0.7)	—	—
Hastings District	32 (1.3)	6 (1.1)	12 (2.9)	9 (2.3)	2 (0.6)
Napier City	35 (1.4)	3 (0.5)	6 (1.5)	1 (0.3)	9 (2.5)
Central Hawke's Bay District	3 (0.1)	—	1 (0.2)	—	—

TA area	Dentists and dental specialists (%)	Oral health therapists (%)	Dental therapists (%)	Dental hygienists and orthodontic auxiliaries (%)	Dental technicians and clinical dental technicians (%)
New Plymouth District	29 (1.2)	8 (1.5)	8 (1.9)	8 (2.0)	4 (1.1)
Stratford District	2 (0.1)	2 (0.4)	—	—	—
South Taranaki District	6 (0.2)	—	4 (1.0)	—	—
Ruapehu District	1 (0.0)	—	3 (0.7)	—	—
Wanganui District	16 (0.6)	6 (1.1)	12 (2.9)	5 (1.3)	1 (0.3)
Rangitikei District	2 (0.1)	—	2 (0.5)	—	—
Manawatu District	7 (0.3)	3 (0.5)	2 (0.5)	1 (0.3)	—
Palmerston North City	47 (1.9)	6 (1.1)	12 (2.9)	14 (3.5)	8 (2.2)
Tararua District	3 (0.1)	—	3 (0.7)	—	—
Horowhenua District	9 (0.4)	1 (0.2)	1 (0.2)	1 (0.3)	1 (0.3)
Kapiti Coast District	22 (0.9)	2 (0.4)	5 (1.2)	5 (1.3)	3 (0.8)
Porirua City	9 (0.4)	2 (0.4)	4 (1.0)	3 (0.8)	4 (1.1)
Upper Hutt City	18 (0.7)	4 (0.7)	2 (0.5)	4 (1.0)	5 (1.4)
Lower Hutt City	53 (2.2)	12 (2.2)	14 (3.4)	9 (2.3)	4 (1.1)
Wellington City	137 (5.6)	39 (7.1)	8 (1.9)	26 (6.5)	18 (5.0)
Masterton District	14 (0.6)	4 (0.7)	3 (0.7)	2 (0.5)	1 (0.3)
Carterton District	3 (0.1)	—	1 (0.2)	1 (0.3)	—
South Wairarapa District	2 (0.1)	—	—	—	—
Tasman District	18 (0.7)	2 (0.4)	6 (1.5)	2 (0.5)	2 (0.6)
Nelson City	43 (1.7)	4 (0.7)	5 (1.2)	13 (3.3)	9 (2.5)
Marlborough District	19 (0.8)	3 (0.5)	5 (1.2)	2 (0.5)	4 (1.1)
Kaikoura District	1 (0.0)	—	—	—	1 (0.3)
Buller District	1 (0.0)	—	1 (0.2)	—	—
Grey District	6 (0.2)	—	2 (0.5)	3 (0.8)	—
Westland District	—	—	—	—	—
Hurunui District	—	—	1 (0.2)	—	—
Waimakariri District	15 (0.6)	—	4 (1.0)	—	3 (0.8)

TA area	Dentists and dental specialists (%)	Oral health therapists (%)	Dental therapists (%)	Dental hygienists and orthodontic auxiliaries (%)	Dental technicians and clinical dental technicians (%)
Christchurch City	230 (9.3)	29 (5.3)	31 (7.5)	40 (10.1)	39 (10.8)
Selwyn District	13 (0.5)	—	2 (0.5)	4 (1.0)	2 (0.6)
Ashburton District	9 (0.4)	3 (0.5)	1 (0.2)	—	1 (0.3)
Timaru District	18 (0.7)	1 (0.2)	5 (1.2)	3 (0.8)	5 (1.4)
Mackenzie District	—	—	—	—	—
Waimate District	—	1 (0.2)	—	—	—
Chatham Islands Territory	—	—	—	—	—
Waitaki District	10 (0.4)	—	1 (0.2)	2 (0.5)	3 (0.8)
Central Otago District	10 (0.4)	3 (0.5)	—	1 (0.3)	1 (0.3)
Queenstown-Lakes District	21 (0.9)	2 (0.4)	3 (0.7)	6 (1.5)	4 (1.1)
Dunedin City	154 (6.2)	16 (2.9)	13 (3.1)	18 (4.5)	32 (8.9)
Clutha District	4 (0.2)	2 (0.4)	1 (0.2)	1 (0.3)	—
Southland District	3 (0.1)	—	1 (0.2)	1 (0.3)	—
Gore District	3 (0.1)	4 (0.7)	1 (0.2)	—	—
Invercargill City	31 (1.3)	6 (1.1)	4 (1.0)	7 (1.8)	2 (0.6)
Area outside of TA	56 (2.3)	1 (0.2)	—	5 (1.3)	1 (0.3)
TA code not available	160 (6.5)	75 (13.6)	—	8 (2.0)	10 (2.8)
<b>Total</b>	<b>2,465</b>	<b>550</b>	<b>412</b>	<b>398</b>	<b>361</b>

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

Table 7-2. Population to oral health practitioners by district health board, as at end of 2019 reporting periods

	Dentists and dental specialists		Oral health therapists			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 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	65	43.2	13	33.3	8.6	23	59.0	13	8.6	12	8.0
Waitemata	288	57.2	94	77.3	18.7	44	36.2	16	3.2	59	11.7
Auckland	328	78.6	67	82.9	16.1	25	30.9	43	10.3	38	9.1
Counties Manukau	171	38.1	63	48.3	14.0	40	30.7	57	12.7	32	7.1
Waikato	178	52.3	32	36.1	9.4	34	38.4	24	7.1	21	6.2
Lakes	43	47.4	5	20.5	5.5	19	77.9	26	28.7	5	5.5
Bay of Plenty	103	50.2	21	41.1	10.2	32	62.6	6	2.9	12	5.9
Tairāwhiti	13	33.9	5	42.7	13.0	4	34.2	17	44.3	3	7.8
Taranaki	71	73.0	10	39.1	10.3	12	46.9	4	4.1	11	11.3
Hawke's Bay	37	26.6	9	25.0	6.5	22	61.1	10	7.2	4	2.9
Midcentral	68	45.9	10	27.9	6.7	19	52.9	8	5.4	9	6.1
Whanganui	19	35.2	6	44.8	11.1	15	111.9	16	29.6	1	1.9
Capital and Coast	166	62.6	43	79.0	16.2	16	29.4	5	1.9	25	9.4
Hutt Valley	71	56.6	16	52.5	12.8	16	52.5	34	27.1	9	7.2
Wairarapa	19	48.8	4	45.5	10.3	4	45.5	13	33.4	1	2.6
Nelson Marlborough	80	61.2	9	33.0	6.9	16	58.6	3	2.3	15	11.5
West Coast	7	26.1	—	—	—	3	54.5	17	63.4	0	—
Canterbury	268	57.3	32	31.4	6.8	39	38.3	3	0.6	46	9.8
South Canterbury	19	37.5	2	18.7	3.9	5	46.7	44	86.8	5	9.9
Southern	235	82.6	33	56.5	11.6	24	41.1	3	1.1	42	14.8
Area outside DHB	—	—	—	—	—	—	—	—	—	—	—
Unknown	216	—	76	—	—	—	—	36	—	11	—
<b>Total</b>	<b>2,465</b>	<b>61.3</b>	<b>550</b>	<b>57.5</b>	<b>13.7</b>	<b>412</b>	<b>43.1</b>	<b>398</b>	<b>9.9</b>	<b>361</b>	<b>9.0</b>

(Data sources: Workforce survey and Statistics New Zealand)