

Pharmacy Council of New Zealand Workforce Demographics as at 30 June 2011

Under the Health Practitioners Competence Assurance (HPCA) Act 2003, practising pharmacists are required to hold an Annual Practising Certificate (APC) regardless of the number of hours they practise each year. As part of the application for an APC, pharmacists must also provide details that enable the Pharmacy Council to assess their fitness to practise and their participation in an approved recertification programme. Pharmacists can remain on the Register if they are not practising; however, if they wish to return to practise at any time, they must apply to the Pharmacy Council for an APC. The Pharmacy Council maintains the public register of pharmacists in three sections . ***practising pharmacists, non practising pharmacists*** and ***intern pharmacists***.

It should be noted that the public register changes regularly.

Similar workforce demographics will be produced at the same time next year. This will allow the Pharmacy Council to make annual comparisons and monitor workforce trends.

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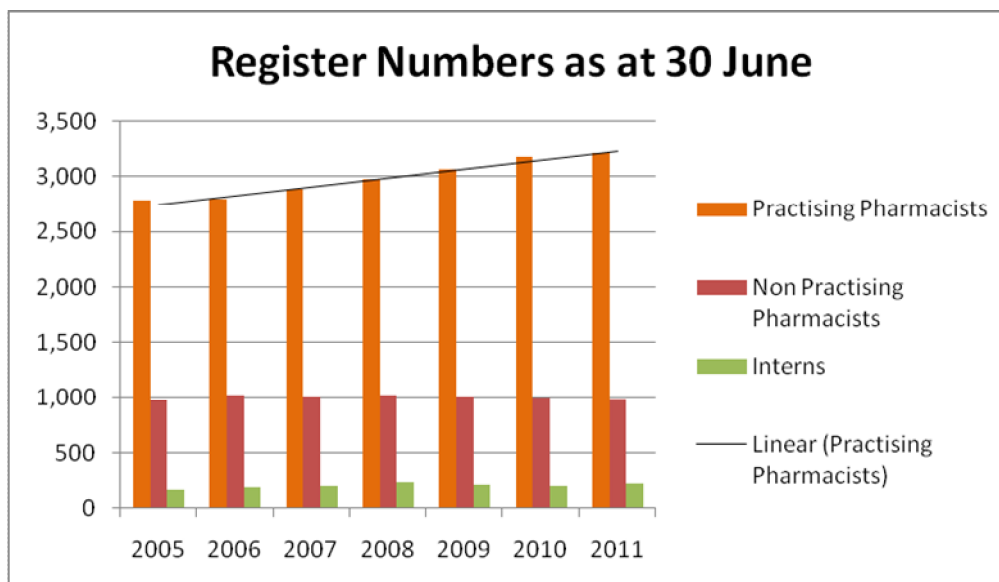
1. Total Registrations as at 30 June 2011

Pharmacist Scope of Practice . practising	3,223
Pharmacist Scope of Practice . suspended	4
Non Practising Register (pharmacists who have retained registration but do not hold an APC)	996
Intern Scope of Practice	221
TOTAL	4,444

2. Register Numbers 2005-2011

As at 30 June 2011, the number of practising pharmacists was 3,223, up 43 (1.4%) on 2010.

<i>Register Numbers as at 30 June</i>							
	2005	2006	2007	2008	2009	2010	2011
Practising Pharmacists	2,787	2,801	2,889	2,978	3,076	3,180	3,223
Non Practising Pharmacists	983	1,022	1,011	1,023	1,017	1,001	996
Interns	168	189	202	234	220	205	221
TOTAL	3,938	4,012	4,102	4,235	4,313	4,386	4,440



Country first registered	Number	%	Number	%
New Zealand			2,800	86.9
Non-REQR ⁽¹⁾ Countries:				
South Africa	87	(44.6)		
Other	108	(55.4)	195	6.0
REQR ⁽²⁾ Countries:				
United Kingdom	162	(90.5)		
Other	17	(9.5)	179	5.6
Australia			49	1.5
TOTAL			3,223	100.0

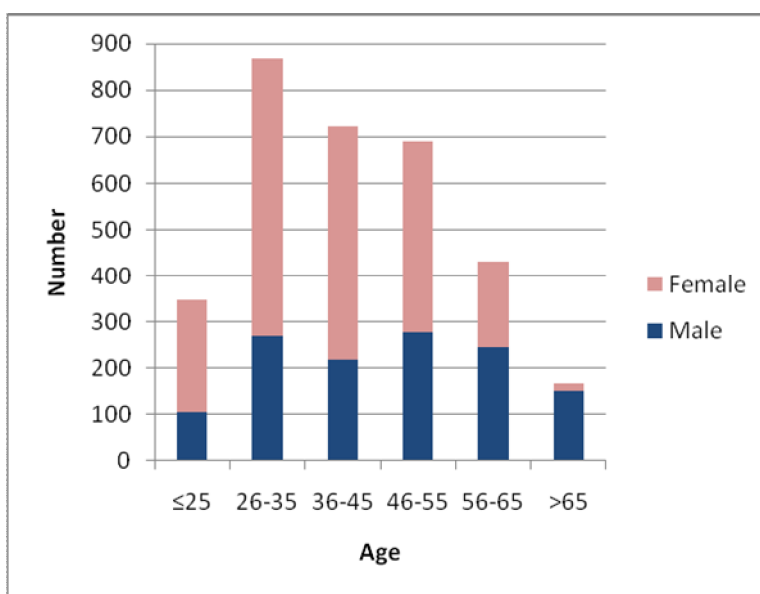
⁽¹⁾ Non-REQR (Recognised Equivalent Qualification Route) countries exclude New Zealand, REQR countries and Australia.

⁽²⁾ REQR countries include Canada, Ireland, Northern Ireland, the UK and the USA.

3. Demographics of Practising Pharmacists as at 30 June 2011

a) Age and Sex

Age	Male	Female	Total
≤25	106	241	347
26-35	269	598	867
36-45	218	503	721
46-55	277	414	691
56-65	245	185	430
>65	150	17	167
TOTAL	1,265	1,958	3,223

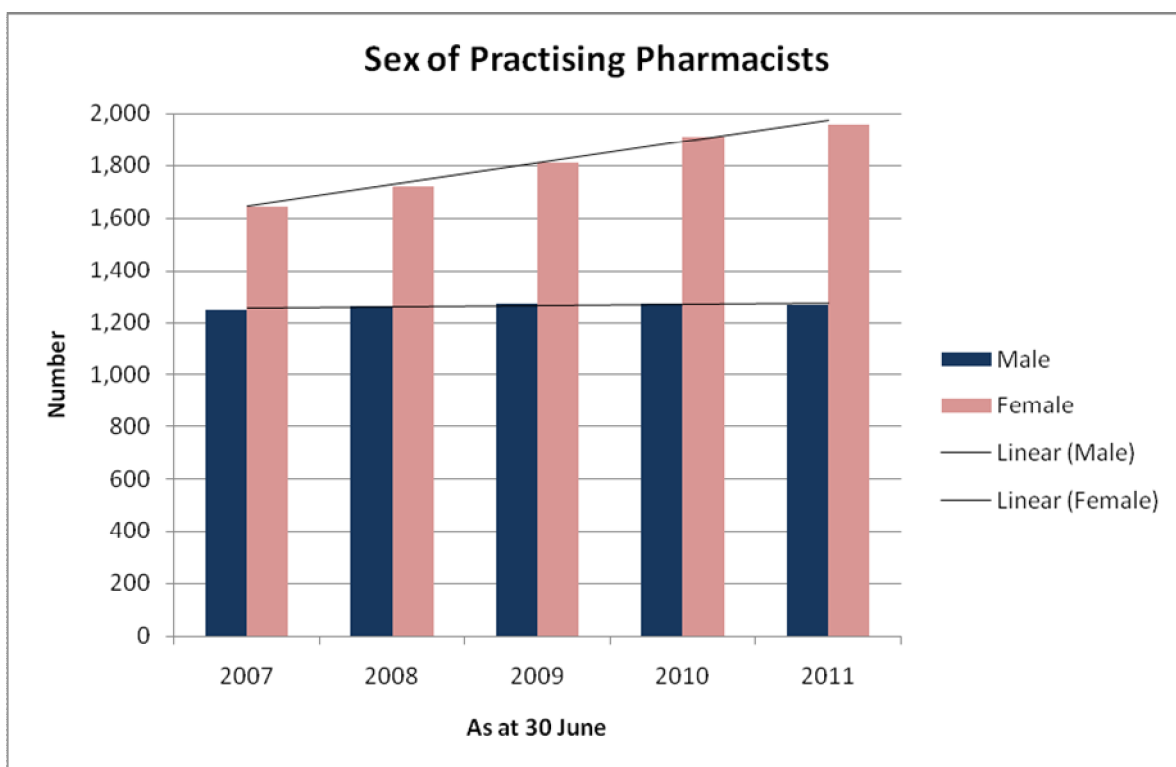


The following table shows the age distribution of practising pharmacists 2007-2011:

Age	2007	% of Total	2008	% of Total	2009	% of Total	2010	% of Total	2011	% of Total
m25	281	9.7	271	9.1	318	10.3	387	12.2	347	10.8
26-35	607	21.0	666	22.4	737	24.0	789	24.8	867	26.9
36-45	746	25.8	732	24.6	731	23.8	722	22.7	721	22.4
46-55	665	23.0	694	23.3	709	23.0	700	22.0	691	21.4
56-65	356	12.3	379	12.7	370	12.0	396	12.5	430	13.3
>65	234	8.1	236	7.9	211	6.9	186	5.8	167	5.2
TOTAL	2,889	100.0	2,978	100.0	3,076	100.0	3,180	100.0	3,223	100.0

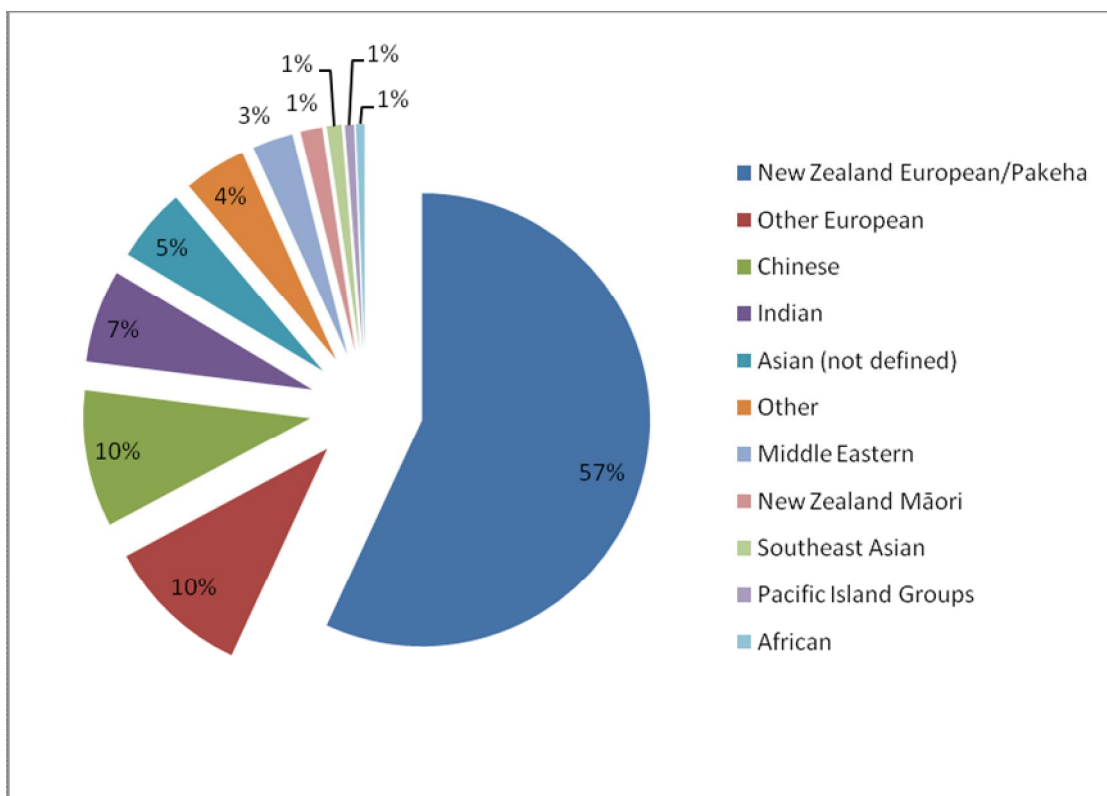
The following table shows the sex distribution of practising pharmacists 2007-2011:

Sex	2007	% of Total	2008	% of Total	2009	% of Total	2010	% of Total	2011	% of Total
Male	1,247	43.2	1,260	42.3	1,269	41.3	1,270	39.9	1,265	39.2
Female	1,642	56.8	1,718	57.7	1,807	58.7	1,910	60.1	1,958	60.8
TOTAL	2,889	100.0	2,978	100.0	3,076	100.0	3,180	100.0	3,223	100.0

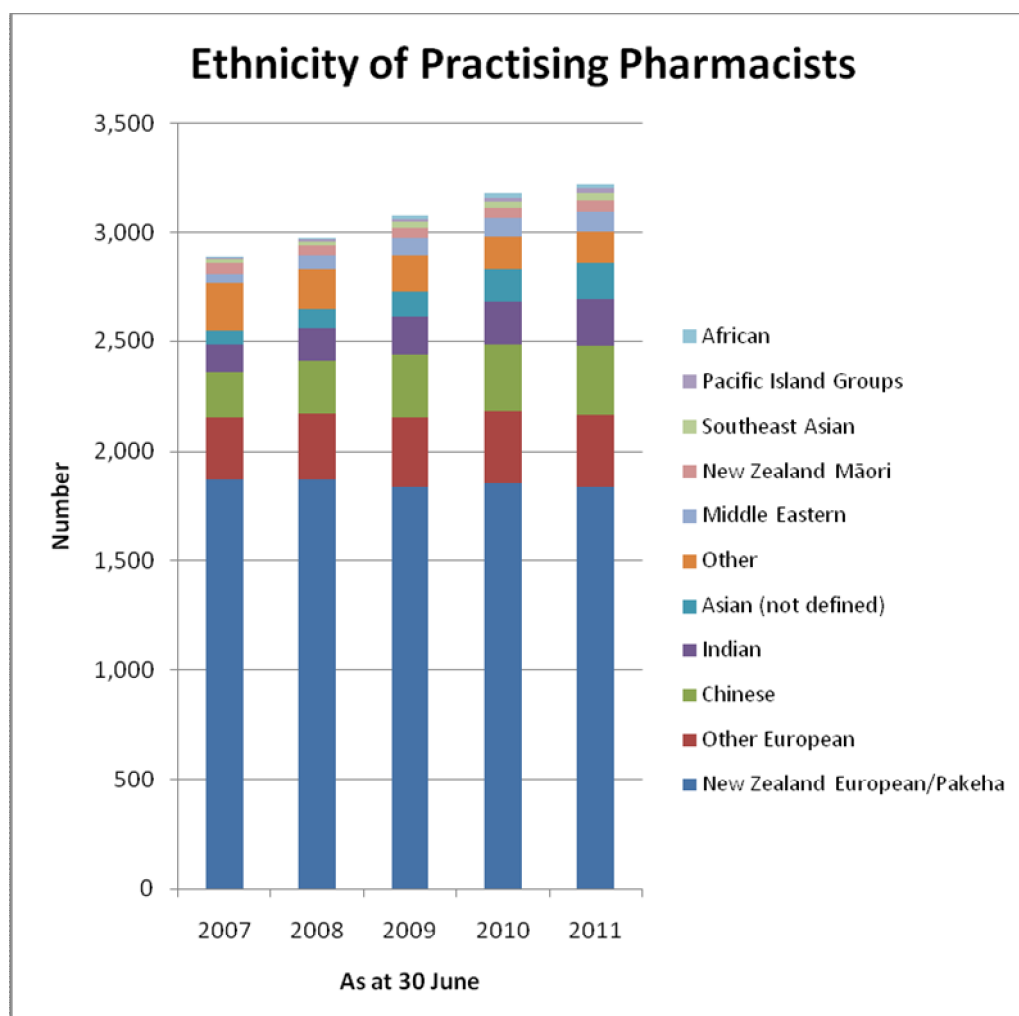


b) Ethnicity

Ethnicity	Number	%
New Zealand European/Pakeha	1,834	56.9
Other European	332	10.3
Chinese	315	9.8
Indian	213	6.6
Asian (not defined)	169	5.2
Other	142	4.4
Middle Eastern	93	2.9
New Zealand Māori	50	1.6
Southeast Asian	34	1.1
Pacific Island Groups	21	0.7
African	20	0.6
TOTAL	3,223	100.0

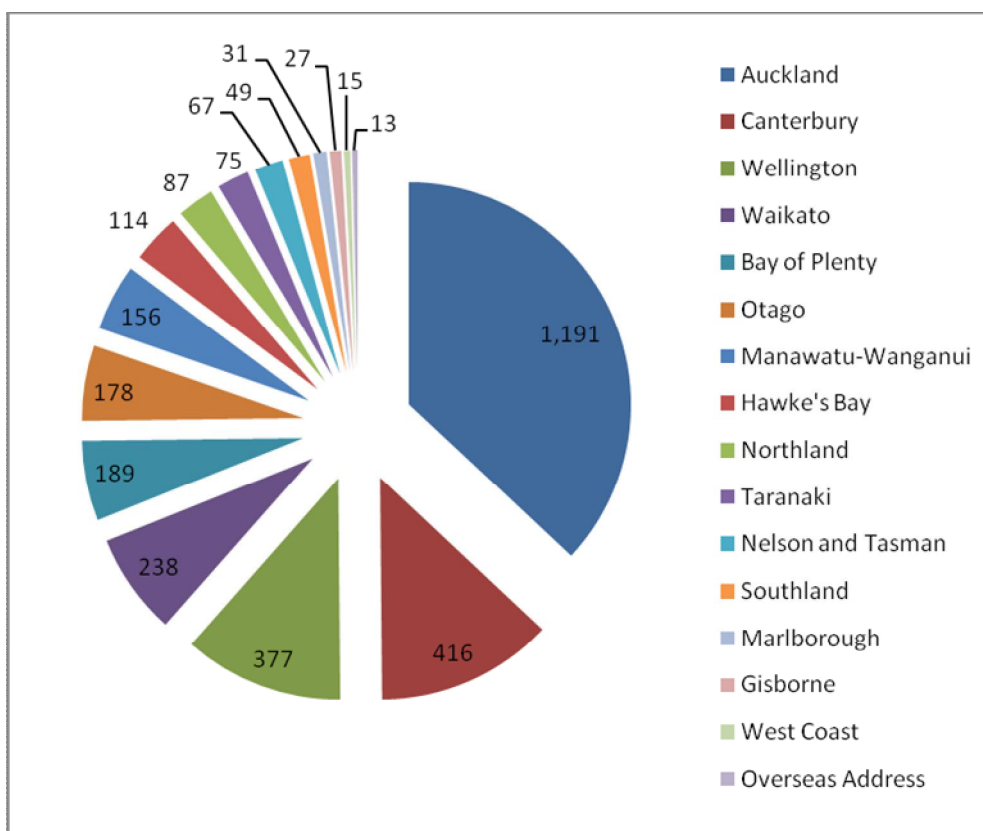


Ethnicity	2007	% of Total	2008	% of Total	2009	% of Total	2010	% of Total	2011	% of Total
New Zealand European/Pakeha	1,869	64.7	1,868	62.7	1,837	59.7	1,854	58.3	1,834	56.9
Other European	285	9.9	301	10.1	319	10.4	328	10.3	332	10.3
Chinese	204	7.1	241	8.1	282	9.2	304	9.6	315	9.8
Indian	130	4.5	152	5.1	179	5.8	200	6.3	213	6.6
Asian (not defined)	62	2.1	88	3.0	112	3.6	146	4.6	169	5.2
Other	223	7.7	183	6.1	168	5.5	147	4.6	142	4.4
Middle Eastern	39	1.3	61	2.0	78	2.5	89	2.8	93	2.9
New Zealand Māori	48	1.7	49	1.6	46	1.5	45	1.4	50	1.6
Southeast Asian	16	0.6	18	0.6	27	0.9	28	0.9	34	1.1
Pacific Island Groups	9	0.3	11	0.4	13	0.4	18	0.6	21	0.7
African	4	0.1	6	0.2	15	0.5	21	0.7	20	0.6
TOTAL	2,889	100.0	2,978	100.0	3,076	100.0	3,180	100.0	3,223	100.0



c) Region

Regional Council	Number	%
Auckland	1,191	37.0
Canterbury	416	12.9
Wellington	377	11.7
Waikato	238	7.4
Bay of Plenty	189	5.9
Otago	178	5.5
Manawatu-Wanganui	156	4.8
Hawke's Bay	114	3.5
Northland	87	2.7
Taranaki	75	2.3
Nelson and Tasman	67	2.1
Southland	49	1.5
Marlborough	31	1.0
Gisborne	27	0.8
West Coast	15	0.5
Overseas Address	13	0.4
TOTAL	3,223	100.0

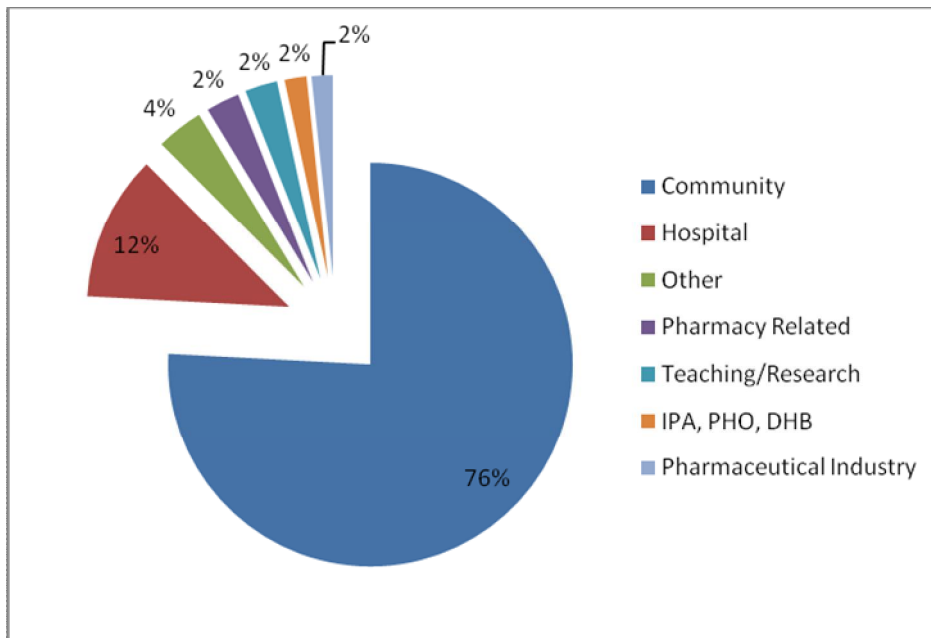


d) Type of Work

3,123 pharmacists issued with an APC for the year 1 April 2011-31 March 2012 completed the type of work section on the APC renewal form. This represents 97% of the pharmacists on the practising register as at 30 June 2011. The data collected relates to the previous APC year and has been used in this instance to provide an estimate of the number of pharmacists in the different areas of pharmacy employment. The following information was compiled from these responses.

358 of the pharmacists who completed this section of the APC renewal form worked in *two or more* different areas of pharmacy in the previous 12 months.

Type of Work	Number of pharmacists
Community	2,640
Hospital	407
Other	131
Pharmacy Related	93
Teaching/Research	90
IPA, PHO, DHB	61
Pharmaceutical Industry	59
	3,481
<i>No. worked in 2 or more areas of pharmacy</i>	-358
TOTAL RESPONSES	3,123



e) *Hours/Weeks Worked*

3,123 pharmacists issued with an APC for the year 1 April 2011-31 March 2012 completed the hours/weeks worked section on the APC renewal form. This represents 97% of the pharmacists on the practising register as at 30 June 2011. The data collected relates to the previous APC year and has been used in this instance to provide an estimate of the average hours worked per week and total weeks worked in the last year in each area of pharmacy. Please note that 358 of the pharmacists who completed this section worked in two or more areas of pharmacy bringing the totals for each table to 3,481.

<i>Number of pharmacists by average hours worked per week in the last year in each area of pharmacy</i>								
Hours per week	Community	Hospital	Other	Pharmacy Related	Teaching/ Research	IPA, etc	Pharmaceutical Industry	Total
50+	274	7	4	6	7	2	5	305
40-49	1,125	261	51	26	10	10	37	1,520
30-39	494	40	13	11	7	2	6	573
20-29	338	50	20	11	15	11	4	449
10-19	255	30	18	10	15	15	3	346
<10	154	19	25	29	36	21	4	288
TOTAL	2,640	407	131	93	90	61	59	3,481

<i>Number of pharmacists by weeks worked in the last year in each area of pharmacy</i>								
Weeks per year	Community	Hospital	Other	Pharmacy Related	Teaching/ Research	IPA, etc	Pharmaceutical Industry	Total
40+	2,184	324	87	66	48	41	47	2,797
30-39	120	22	12	1	4	2	5	166
20-29	117	23	5	3	7	2	4	161
10-19	117	25	7	3	11	5	3	171
<10	102	13	20	20	20	11	0	186
TOTAL	2,640	407	131	93	90	61	59	3,481

4. Requests from the Australian Pharmacy Board and Letters of Good Standing

In the 12 months ended 30 June 2011, 117 requests for statements of Good Standing were actioned for pharmacists registering with overseas registration boards. This compares with 79 for the previous year. Requests from Australia were up 33 (52.4%) on the previous year.

Country	Number
Australia	96
United Kingdom	7
Canada	3
Hong Kong	3
Malaysia	2
Bermuda	1
Fiji	1
Singapore	1
South Africa	1
Tonga	1
United Arab Emirates	1
TOTAL	117

5. Additions to the Practising Register

198 new registrations were processed in the year ended 30 June 2011, down 27 (12.0%) from the previous year.

a) *TTMRA & Recognised Equivalent Qualifications Route (REQR)*

18 pharmacists from countries with which we have a legislative arrangement (ie Australia) or have recognised equivalent qualifications (ie Canada, Ireland, Northern Ireland, the UK and the USA) were registered in the year ended 30 June 2011.

Country of First Registration	2007	2008	2009	2010	2011
Australia	11	13	4	3	4
Ireland, Northern Ireland and the UK	29	12	20	20	12
Canada and the USA*	5	5	2	2	2
TOTAL	45	30	26	25	18

*Includes a pharmacist who first registered in South Africa and subsequently registered in the USA through the NAPLEX programme.

b) Transfers from the Intern Scope of Practice

170 intern pharmacists transferred from the Intern Scope of Practice in the year ended 30 June 2011. A further 10 interns, previously registered overseas, completed the intern programme and gained registration as a pharmacist through the Pharmacy Council's Non-Recognised Equivalent Qualifications Route.

Country of Qualification			Number of pharmacists
New Zealand			170
	Auckland University	85	
	Otago University	84	
	Queensland University	1	
India			3
Fiji			2
Netherlands			2
Iran			1
Malaysia			1
Philippines			1
TOTAL			180

c) Returns to Practising Register

101 pharmacists returned to practice in the year ended 30 June 2011. The length of time out of practice is as follows:

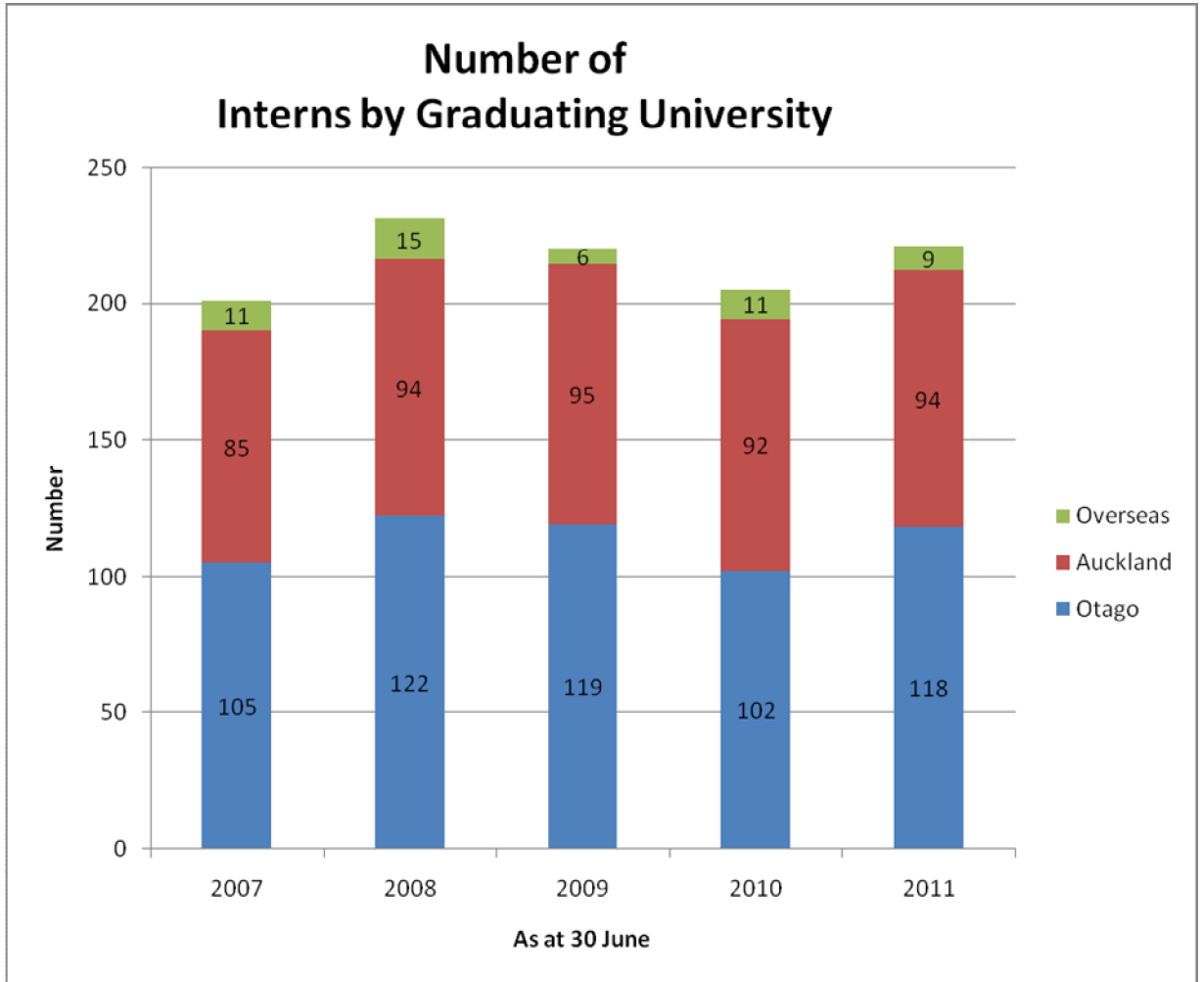
Number of years out of practice	2008	2009	2010	2011
<3	92	101	93	72
3-8	40	27	25	27
>8	5	0	1	2
TOTAL	137	128	119	101

6. Intern Register

221 intern pharmacists held an Annual Practising Certificate in the Intern Scope as at 30 June 2011. Qualifications for those registered in this Scope are as follows:

<i>Number of Interns by University or Country of Degree</i>	
New Zealand Graduates	212
University:	
Otago	118
Auckland	94
Overseas (REQR) Graduate - England	1
Overseas (Non-REQR) Graduates	8
Country:	
South Africa	2
Hungary	1
India	1
Indonesia	1
Iraq	1
Malaysia	1
Philippines	1
TOTAL	221

<i>Number of Interns by Graduating University</i>					
University	2007	2008	2009	2010	2011
Otago	105	122	119	102	118
Auckland	85	94	95	92	94
Overseas	11	15	6	11	9
TOTAL	201	231	220	205	221



7. Removals from the Register

169 pharmacists were removed from the register in the year ended 30 June 2011, up 47 (38.5%) on the previous year. 7 interns were also removed from the register during the year.

Removals	Number
Practising register	78
Removed at own request s. 142	43
Revision of Register s. 144 (5)	31
Deceased s. 143	4
Non practising register	91
Removed at own request s. 142	46
Revision of Register s. 144 (5)	44
Deceased s. 143	1
	169
Intern register	7
Revision of Register s. 144 (5)	4
Removed at own request s. 142	3
TOTAL	176

8. Reason for Not Practising

The 996 pharmacists on the Non Practising Register as at 30 June 2011 gave the following reasons for not practising:

Reason for not practising	Number
Overseas - practising	467
Overseas - not practising	133
Parenting/maternity leave	84
Working in a non-health role	82
Other	76
Retired	68
Working in another health profession	41
Full-time study	17
Other unpaid employment	10
Seeking employment as a pharmacist	10
Seeking employment in a non-pharmacy profession	8
TOTAL	996

9. Register Retention

The following tables show register retention for practising pharmacists by registration route:

<i>Average retention rates for overseas pharmacists registered through all routes</i>							
As at 30 June	Total pharmacists first registered overseas (all countries)	Number retained at 1 year	% retained at 1 year	Number retained at 3 years	% retained at 3 years	Number retained at 5 years	% retained at 5 years
2004	41	31	76%	26	63%	22	54%
2005	70	53	76%	31	44%	29	41%
2006	79	59	75%	29	37%	28	35%
2007	65	54	83%	32	49%	-	-
2008	39	34	87%	20	51%	-	-
2009	44	39	89%	-	-	-	-
2010	34	28	82%	-	-	-	-
2011	30	-	-	-	-	-	-

<i>Average retention rates for pharmacists registered through TTMRA</i>							
As at 30 June	Total pharmacists first registered in Australia	Number retained at 1 year	% retained at 1 year	Number retained at 3 years	% retained at 3 years	Number retained at 5 years	% retained at 5 years
2004	5	2	40%	2	40%	0	0%
2005	7	4	57%	3	43%	3	43%
2006	13	7	54%	4	31%	6	46%
2007	12	11	92%	4	33%	-	-
2008	13	11	85%	5	38%	-	-
2009	6	4	67%	-	-	-	-
2010	3	3	100%	-	-	-	-
2011	5	-	-	-	-	-	-

<i>Average retention rates for overseas pharmacists registered through REQR route</i>							
As at 30 June	Total pharmacists first registered Canada/Ireland/Northern Ireland/UK/USA	Number retained at 1 year	% retained at 1 year	Number retained at 3 years	% retained at 3 years	Number retained at 5 years	% retained at 5 years
2004	24	19	79%	13	54%	13	54%
2005	42	31	74%	14	33%	13	31%
2006	51	39	76%	14	27%	11	22%
2007	36	27	75%	13	36%	-	-
2008	17	14	82%	7	41%	-	-
2009	20	18	90%	-	-	-	-
2010	22	17	77%	-	-	-	-
2011	13	-	-	-	-	-	-

Average retention rates for overseas pharmacists registered through Non REQR route							
As at 30 June	Total pharmacists first registered overseas (except Australia/Canada/Ireland/Northern Ireland/UK/USA)	Number retained at 1 year	% retained at 1 year	Number retained at 3 years	% retained at 3 years	Number retained at 5 years	% retained at 5 years
2004	12	10	83%	11	92%	9	75%
2005	21	18	86%	14	67%	13	62%
2006	15	13	87%	11	73%	11	73%
2007	17	16	94%	15	88%	-	-
2008	9	9	100%	8	89%	-	-
2009	18	17	94%	-	-	-	-
2010	9	8	89%	-	-	-	-
2011	12	-	-	-	-	-	-

Average retention rates for New Zealand qualified pharmacists							
As at 30 June	Total pharmacists first registered in New Zealand	Number retained at 1 year	% retained at 1 year	Number retained at 3 years	% retained at 3 years	Number retained at 5 years	% retained at 5 years
2004	102	95	93%	52	51%	48	47%
2005	148	135	91%	88	59%	87	59%
2006	154	147	95%	112	73%	103	67%
2007	173	154	89%	131	76%	-	-
2008	173	164	95%	139	80%	-	-
2009	202	187	93%	-	-	-	-
2010	208	192	92%	-	-	-	-
2011	169	-	-	-	-	-	-