

Pharmacy Council of New Zealand Workforce Demographics as at 30 June 2012

The information in this publication has been compiled from aggregated data collected at the time of annual practising certificate (APC) renewal and registration of pharmacists.

Under the Health Practitioners Competence Assurance (HPCA) Act 2003, all practising pharmacists are required to hold an APC regardless of the number of hours they practise each year.

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 and this information has been taken from data collected on 30 June each year. This allows us to make annual comparisons and monitor workforce trends.

If you have any workforce queries please do not hesitate to contact us:

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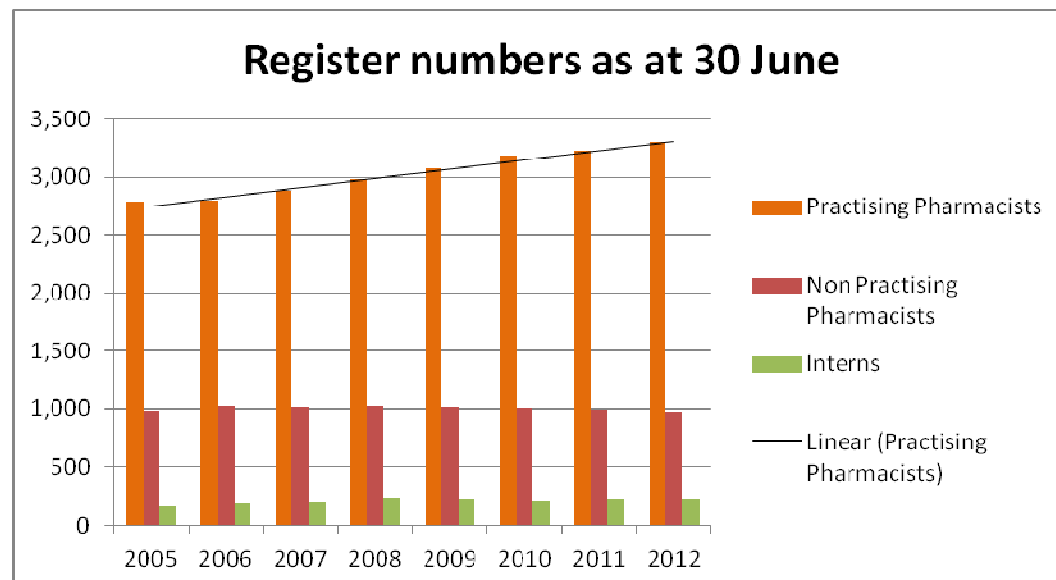
1. Total registrations as at 30 June 2012

Pharmacist scope of practice – practising	3,304
Pharmacist scope of practice – suspended	4
Non practising register (pharmacists who have retained registration but do not hold an APC)	968
Intern scope of practice - practising	215
Intern scope of practice – non practising	2
Intern scope of practice - suspended	1
TOTAL	4,494

2. Register numbers 2008-2012

As at 30 June 2012, the number of practising pharmacists was 3,304; up 81 (2.5%) on 2011.

Register numbers as at 30 June					
	2008	2009	2010	2011	2012
Practising Pharmacists	2,978	3,076	3,180	3,223	3,304
Non Practising Pharmacists	1,023	1,017	1,001	996	968
Interns	234	220	205	221	215
TOTAL	4,235	4,313	4,386	4,440	4,487



a) Practising pharmacists by country of first registration

Country first registered	Number	%	Number	%
New Zealand			2,876	87.0
Non-REQR ⁽¹⁾ Countries:				
South Africa	89	(44.0)		
Other	113	(56.0)	202	6.1
REQR ⁽²⁾ Countries:				
United Kingdom	167	(90.8)		
Other	17	(9.2)	184	5.6
Australia ⁽³⁾			42	1.3
TOTAL			3,304	100.0

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

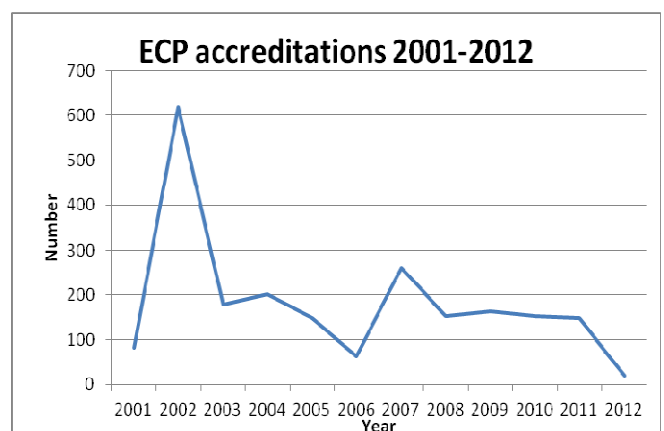
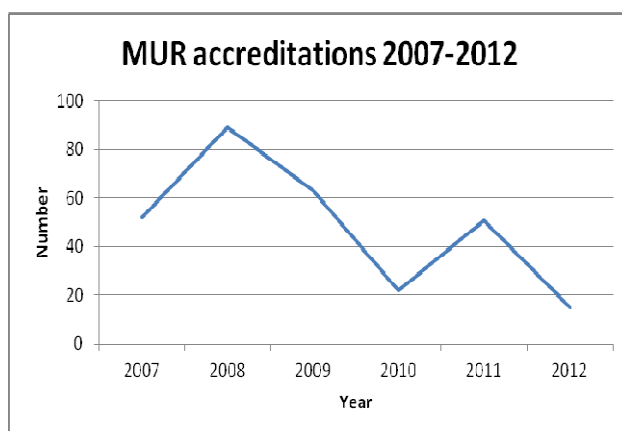
(2) REQR countries include Canada, Ireland, Northern Ireland, the UK and the USA.

(3) Trans Tasman Mutual Recognition Agreement (TTMRA).

b) Practising pharmacists' accreditations

Qualifications for registration are recorded at the time of registration and post graduate qualifications at APC renewal. Pharmacists who have also successfully completed the required training for Medicines Use Review (MUR) and Emergency Contraceptive Pill (ECP) dispensing are accredited by the Pharmacy Council and this information is recorded as follows:

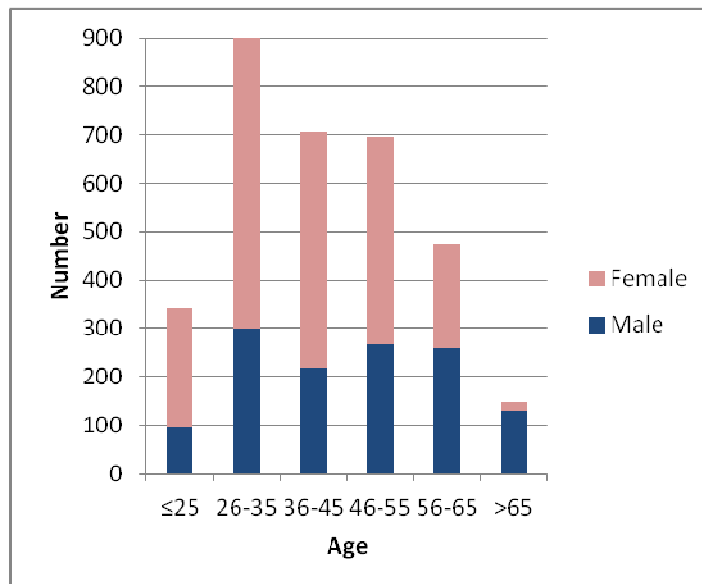
Practising pharmacists' accreditations													
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total
Medicines Use Review (MUR)	-	-	-	-	-	-	52	89	63	22	51	15	292
Emergency Contraceptive Pill (ECP)	82	618	179	202	149	64	260	152	163	152	149	19	2,189
TOTAL	82	618	179	202	149	64	312	241	226	174	200	34	2,481



3. Demographics of practising pharmacists at 30 June 2012

a) Age and sex

Age	Male	Female	Total
≤25	95	245	340
26-35	300	639	939
36-45	218	489	707
46-55	267	429	696
56-65	258	215	473
>65	130	19	149
TOTAL	1,268	2,036	3,304

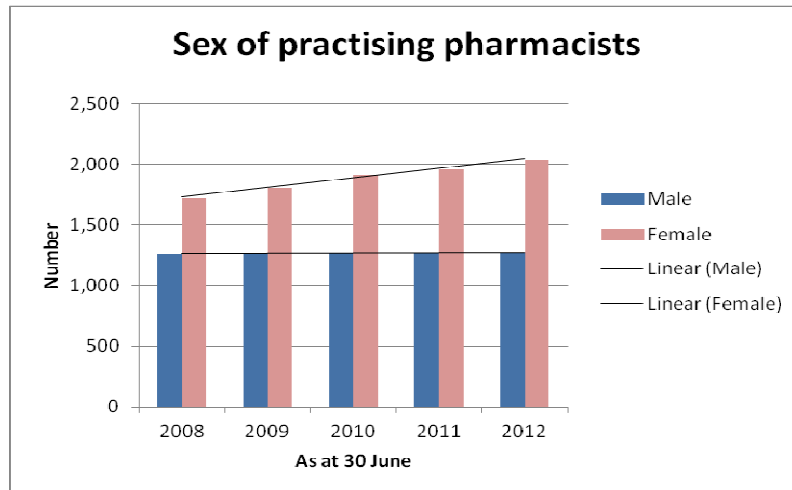


The following table shows the age distribution of practising pharmacists 2008-2012:

Age	2008	% of Total	2009	% of Total	2010	% of Total	2011	% of Total	2012	% of total
≤25	271	9.1	318	10.3	387	12.2	347	10.8	340	10.3
26-35	666	22.4	737	24.0	789	24.8	867	26.9	939	28.4
36-45	732	24.6	731	23.8	722	22.7	721	22.4	707	21.4
46-55	694	23.3	709	23.0	700	22.0	691	21.4	696	21.1
56-65	379	12.7	370	12.0	396	12.5	430	13.3	473	14.3
>65	236	7.9	211	6.9	186	5.8	167	5.2	149	4.5
TOTAL	2,978	100.0	3,076	100.0	3,180	100.0	3,223	100.0	3,304	100.0

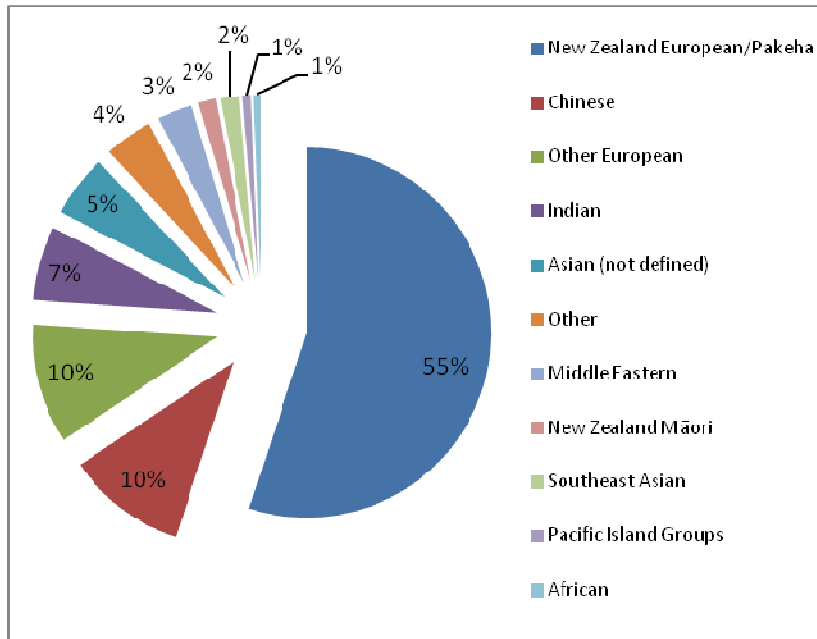
The following table shows the sex distribution of practising pharmacists 2008-2012:

Sex	2008	% of Total	2009	% of Total	2010	% of Total	2011	% of Total	2012	% of total
Male	1,260	42.3	1,269	41.3	1,270	39.9	1,265	39.2	1,268	38.4
Female	1,718	57.7	1,807	58.7	1,910	60.1	1,958	60.8	2,036	61.6
TOTAL	2,978	100.0	3,076	100.0	3,180	100.0	3,223	100.0	3,304	100.0



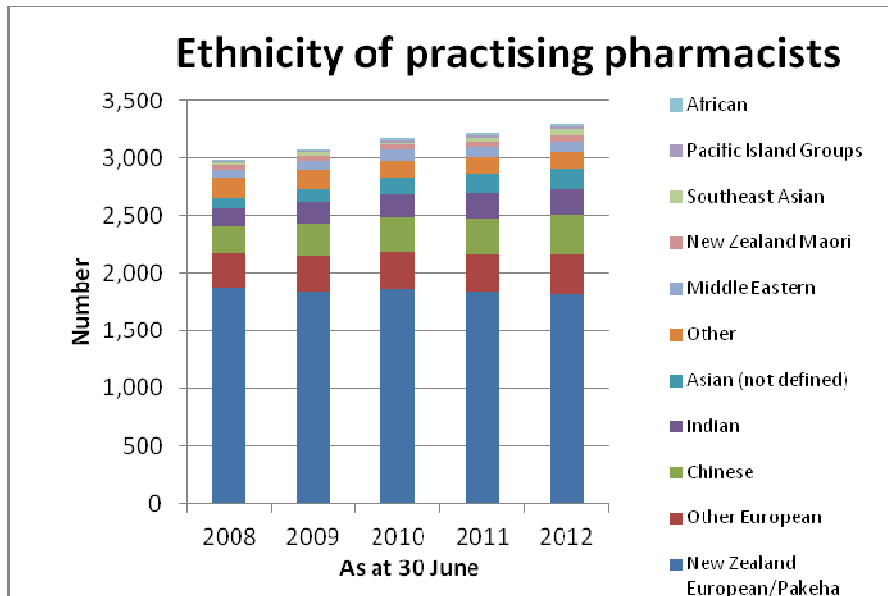
b) Ethnicity

Ethnicity	Number	%
New Zealand European/Pakeha	1,819	55.1
Chinese	348	10.5
Other European	347	10.5
Indian	216	6.5
Asian (not defined)	181	5.5
Other	140	4.3
Middle Eastern	102	3.1
Southeast Asian	55	1.7
New Zealand Māori	51	1.5
Pacific Island Groups	24	0.7
African	21	0.6
TOTAL	3,304	100.0



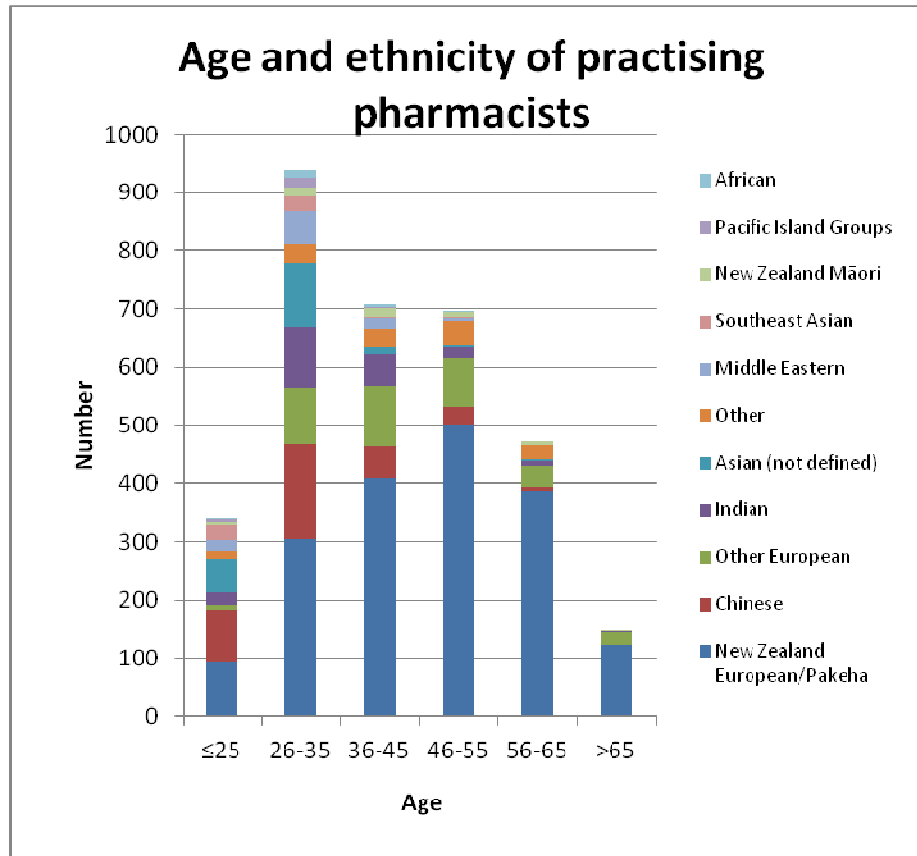
From 2008 to 2012 there has been a 7.7% decrease in the number of New Zealand European/Pakeha practising pharmacists. There has been little change in the number of New Zealand Māori practising pharmacists.

Ethnicity	2008	% of Total	2009	% of Total	2010	% of Total	2011	% of Total	2012	% of total
New Zealand European/Pakeha	1,868	62.7	1,837	59.7	1,854	58.3	1,834	56.9	1,819	55.1
Chinese	241	8.1	282	9.2	304	9.6	315	9.8	348	10.5
Other European	301	10.1	319	10.4	328	10.3	332	10.3	347	10.5
Indian	152	5.1	179	5.8	200	6.3	213	6.6	216	6.5
Asian (not defined)	88	3.0	112	3.6	146	4.6	169	5.2	181	5.5
Other	183	6.1	168	5.5	147	4.6	142	4.4	140	4.3
Middle Eastern	61	2.0	78	2.5	89	2.8	93	2.9	102	3.1
Southeast Asian	18	0.6	27	0.9	28	0.9	34	1.1	55	1.7
New Zealand Māori	49	1.6	46	1.5	45	1.4	50	1.6	51	1.5
Pacific Island Groups	11	0.4	13	0.4	18	0.6	21	0.7	24	0.7
African	6	0.2	15	0.5	21	0.7	20	0.6	21	0.6
TOTAL	2,978	100.0	3,076	100.0	3,180	100.0	3,223	100.0	3,304	100.0



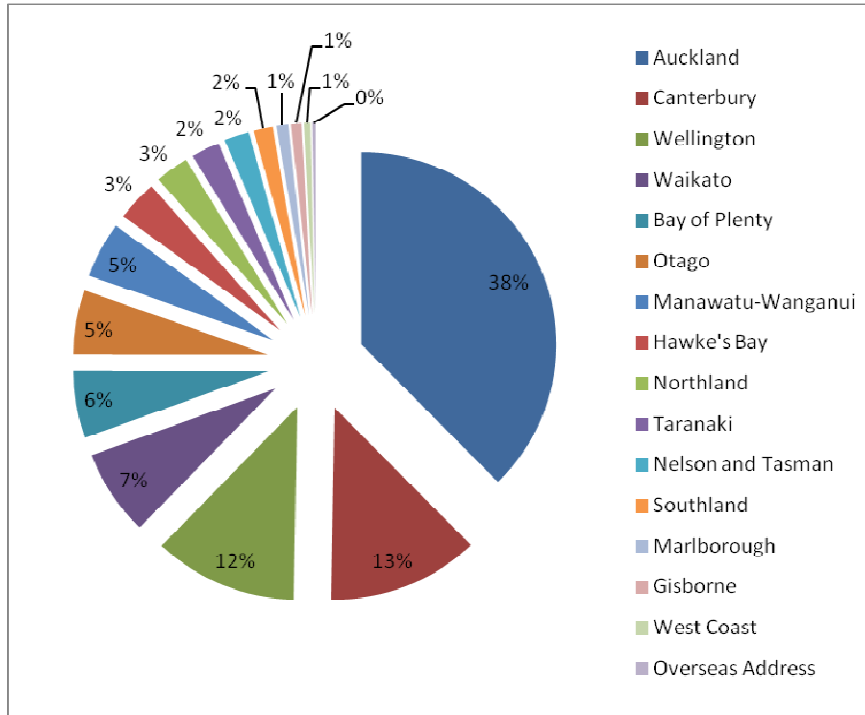
c) Age and ethnicity

Ethnicity	≤25	26-35	36-45	46-55	56-65	>65	Total
New Zealand European/Pakeha	93	306	408	502	386	124	1,819
Chinese	91	163	56	30	8	0	348
Other European	8	96	102	83	38	20	347
Indian	22	105	57	21	9	2	216
Asian (not defined)	56	109	13	1	2	0	181
Other	13	31	31	42	22	1	140
Middle Eastern	20	59	17	5	1	0	102
Southeast Asian	26	25	2	2	0	0	55
New Zealand Māori	3	16	15	8	7	2	51
Pacific Island Groups	6	16	2	0	0	0	24
African	2	13	4	2	0	0	21
TOTAL	340	939	707	696	473	149	3,304



d) Region

Regional Council	Number	%
Auckland	1,245	37.7
Canterbury	416	12.6
Wellington	394	11.9
Waikato	238	7.2
Bay of Plenty	186	5.6
Otago	179	5.4
Manawatu-Wanganui	155	4.7
Hawke's Bay	112	3.4
Northland	92	2.8
Taranaki	78	2.4
Nelson and Tasman	68	2.1
Southland	52	1.6
Marlborough	32	1.0
Gisborne	29	0.9
West Coast	18	0.5
Overseas Address	10	0.3
TOTAL	3,304	100.0

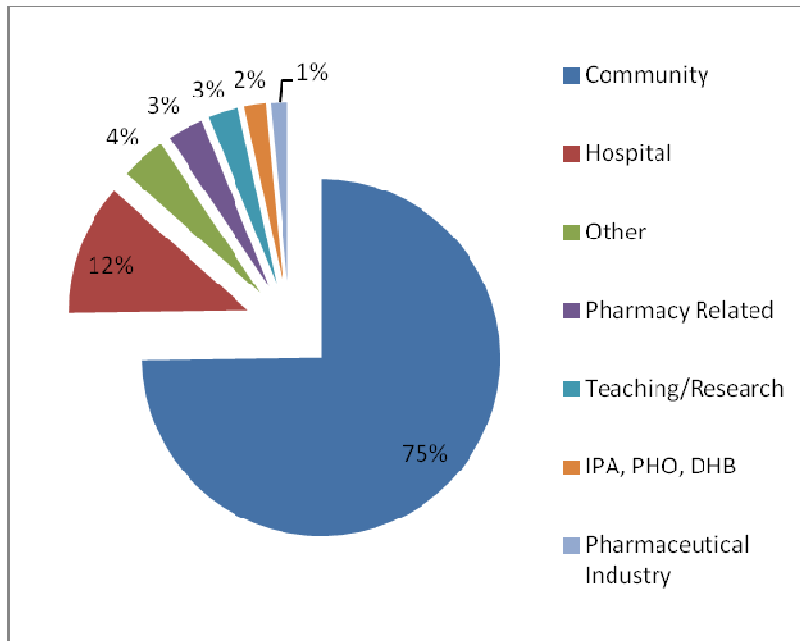


e) Type of work

3,173 pharmacists issued with an APC for the year 1 April 2012-31 March 2013 completed the type of work section on the APC renewal form. This represents 96% of the pharmacists on the practising register at 30 June 2012. 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.

387 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	2,662
Hospital	421
Other	144
Pharmacy Related	115
Teaching/Research	96
IPA, PHO, DHB	68
Pharmaceutical Industry	54
	<hr/>
	3,560
<i>No. worked in 2 or more areas of pharmacy</i>	-387
TOTAL RESPONSES	3,173



f) *Hours/weeks worked*

3,173 pharmacists issued with an APC for the year 1 April 2012-31 March 2013 completed the hours/weeks worked section on the APC renewal form. This represents 96% of the pharmacists on the practising register as at 30 June 2012. 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. 387 pharmacists who completed this section worked in two or more areas of pharmacy bringing the totals for each table to 3,560.

<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+	262	8	8	6	5	3	5	297
40-49	1,170	268	47	34	7	20	32	1,578
30-39	488	38	18	15	9	6	5	579
20-29	337	50	19	13	11	16	3	449
10-19	257	34	23	14	22	8	5	363
<10	148	23	29	33	42	15	4	294
TOTAL	2,662	421	144	115	96	68	54	3,560

Number of pharmacists by weeks worked in the last year in each area of pharmacy								
Weeks per year	Community	Hospital	Other	Pharmacy Related	Teaching/ Research	IPA, etc	Pharmaceutical Industry	Total
40+	2,182	323	77	73	51	47	41	2,794
30-39	130	22	23	4	6	4	3	192
20-29	115	27	13	4	11	3	5	178
10-19	114	21	8	8	7	5	1	164
<10	121	28	23	26	21	9	4	232
TOTAL	2,662	421	144	115	96	68	54	3,560

4. Requests for statements of good standing

In the 12 months ended 30 June 2012, 152 requests for statements of good standing were actioned for pharmacists registering with overseas registration boards. This compares with 117 for the previous year. Requests from Australia were up 18 (18.8%) on the previous year.

Country	Number
Australia	114
Hong Kong	14
United Kingdom	9
Canada	5
USA	3
Malaysia	2
Singapore	2
Bermuda	1
Tonga	1
United Arab Emirates	1
TOTAL	152

5. Additions to the practising register

224 new registrations were processed in the year ended 30 June 2012, up 26 on the previous year.

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

15 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 2012.

<i>Country of First Registration</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
Australia	13	4	3	4	4
Ireland, Northern Ireland and the UK	12	20	20	12	8
Canada and the USA*	5	2	2	2	3
TOTAL	30	26	25	18	15

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

b) *Transfers from the intern scope of practice*

197 intern pharmacists who obtained their qualifications at New Zealand Schools of Pharmacy transferred from the intern scope of practice in the year ended 30 June 2012. A further 17 interns, including 16 previously registered overseas, and a special consideration from the United Kingdom, completed the intern programme and gained registration as a pharmacist through the Pharmacy Council's Non-Recognised Equivalent Qualifications Route.

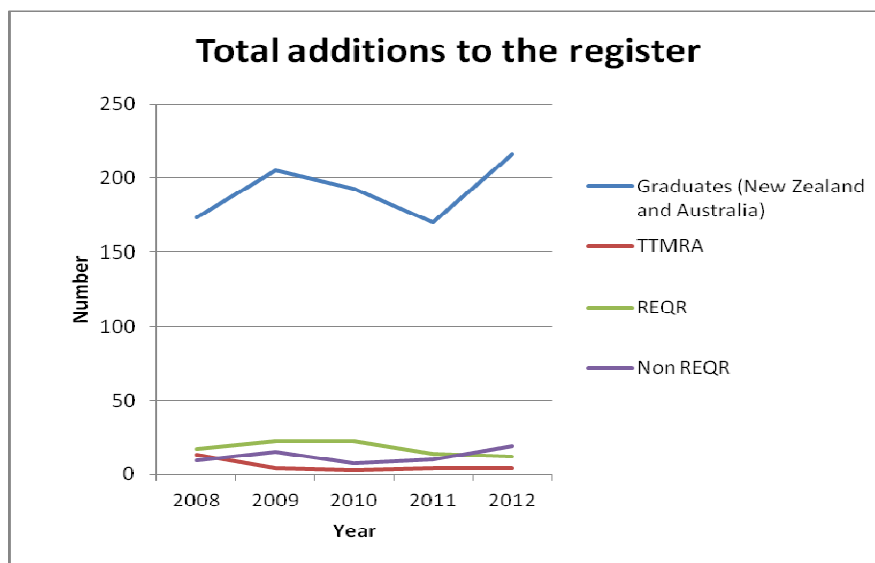
<i>Country of Qualification</i>	<i>Number of pharmacists</i>				
New Zealand	197				
<table border="1" style="margin-left: 40px;"> <tr> <td>Auckland University</td> <td>88</td> </tr> <tr> <td>Otago University</td> <td>109</td> </tr> </table>	Auckland University	88	Otago University	109	
Auckland University	88				
Otago University	109				
South Africa	3				
Fiji	1				
Malaysia	1				
Egypt	1				
Hungary	1				
Indonesia	1				
Iraq	1				
Philippines	1				
United Kingdom (special consideration)	1				
Reinstatement to the Register (CIT)	1				
TOTAL	209				

c) Total additions to the register by registrations route

Registrations route	2008	2009	2010	2011	2012
Graduates (New Zealand and Australia)	173	205	193	170	198 ⁽¹⁾
TTMRA	13	4	3	4	4
REQR	17	22	22	14	11
Non REQR	9	15	7	10	11 ⁽²⁾
TOTAL	212	246	225	198	224

⁽¹⁾ Includes one reinstatement to register

⁽²⁾ Includes United Kingdom (special consideration).



d) Returns to practising register

106 pharmacists returned to practice in the year ended 30 June 2012. The length of time out of practice is as follows:

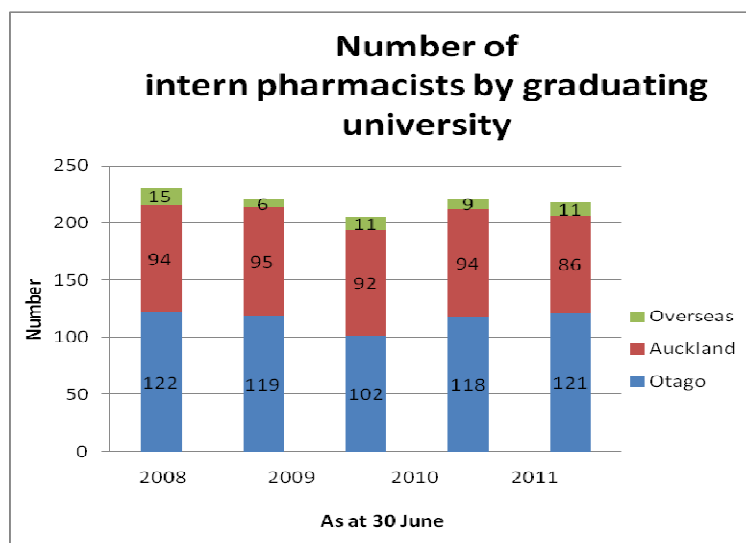
Number of years out of practice	2008	2009	2010	2011	2012
<3	92	101	93	72	81
3-8	40	27	25	27	24
>8	5	0	1	2	1
TOTAL	137	128	119	101	106

6. Intern register

218 pharmacists, including two on the non-practising register and one suspended, were registered under the Intern Scope of Practice at 30 June 2012. Qualifications follow:

Number of interns by university or country first registered	
New Zealand and Australian Graduates	209
University:	
Otago	121
Auckland	86
Charles Sturt	1
Sydney	1
Overseas (Non-REQR) Graduates	9
Country:	
Fiji	2
Philippines	2
South Africa	2
Egypt	1
India	1
Malaysia	1
TOTAL	218

Number of interns by graduating university					
University	2008	2009	2010	2011	2012
Otago	122	119	102	118	121
Auckland	94	95	92	94	86
Overseas	15	6	11	9	11
TOTAL	231	220	205	221	218



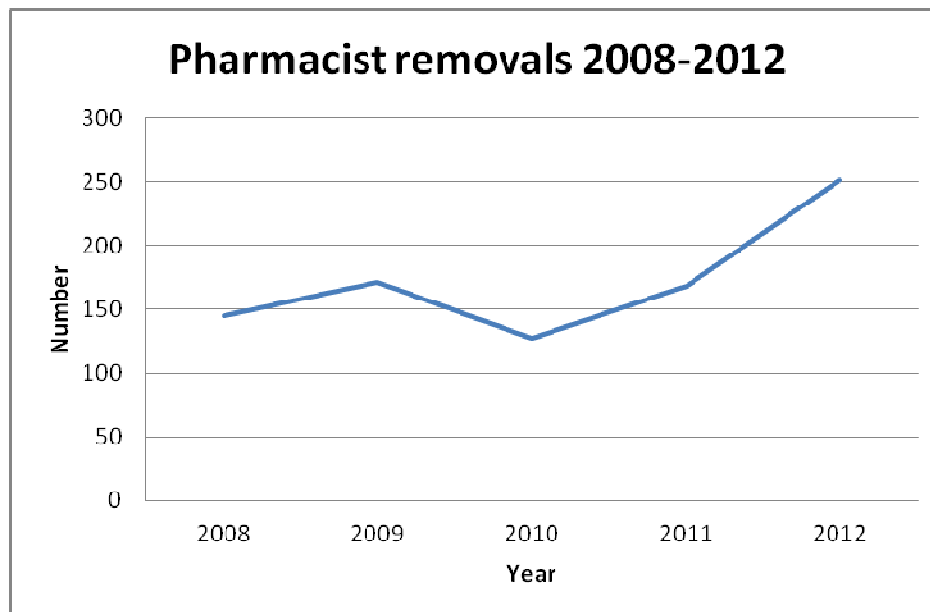
7. Removals from the register

252 pharmacists were removed from the register in the year ended 30 June 2012, up 83 (49.1%) on the previous year. Ten interns were also removed from the register during the year.

Removals	Number
Practising register	104
Removed at own request s.142	71
Revision of Register s.144 (5)	28
Deceased s. 143	5
Non practising register	148
Removed at own request s.142	75
Revision of Register s.144 (5)	70
Deceased s.143	3
	252
Intern register	10
Revision of Register s.144 (5)	6
Removed at own request s.142	4
TOTAL	262

Removals from the register 2008-2012

2008	2009	2010	2011	2012
145	171	122	169	252

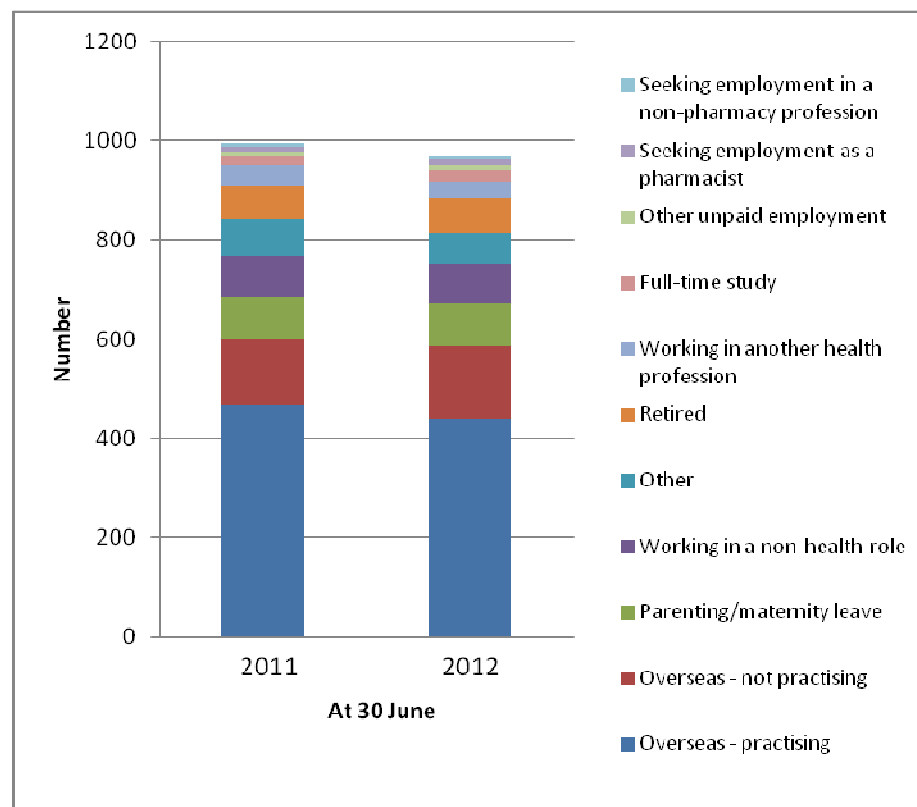


8. Reason for not practising 2011-2012

Pharmacists on the non practising register as at 30 June gave the following reasons for not practising:

Reason for not practising	2011	2012
Overseas - practising	467	441
Overseas - not practising	133	145
Parenting/maternity leave	84	86
Working in a non-health role	82	79
Retired	68	68
Other	76	65
Working in another health profession	41	32
Full-time study	17	26
Seeking employment as a pharmacist	10	12
Other unpaid employment	10	10
Seeking employment in a non-pharmacy profession	8	4
TOTAL	996	968

There is a decrease of 26 (5.6%) pharmacists practising overseas and an increase of 12 (9.0%) pharmacists living overseas but not practising in the past two years. There has also been an increase of 9 (52.9%) non practising pharmacists doing full time study in 2012.



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%	30	46%
2008	39	34	87%	20	51%	-	-
2009	44	39	89%	27	61%	-	-
2010	34	28	82%	-	-	-	-
2011	28	23	82%	-	-	-	-
2012	26	-	-	-	-	-	-

<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%	4	33%
2008	13	11	85%	5	38%	-	-
2009	6	4	67%	2	33%	-	-
2010	3	3	100%	-	-	-	-
2011	5	5	100%	-	-	-	-
2012	4	-	-	-	-	-	-

Average retention rates for overseas pharmacists registered through REQR route							
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%	12	33%
2008	17	14	82%	7	41%	-	-
2009	20	18	90%	11	55%	-	-
2010	22	17	77%	-	-	-	-
2011	12	8	66%	-	-	-	-
2012	9	-	-	-	-	-	-

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%	14	82%
2008	9	9	100%	8	89%	-	-
2009	18	17	94%	-	-	-	-
2010	9	8	89%	-	-	-	-
2011	11	10	91%	-	-	-	-
2012	13						

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%	115	66%
2008	173	164	95%	139	80%	-	-
2009	202	187	93%	157	78%	-	-
2010	208	192	92%	-	-	-	-
2011	170	153	90%	-	-	-	-
2012	198	-	-	-	-	-	-