

1916.  
NEW ZEALAND.

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# MENTAL HOSPITALS OF THE DOMINION

(REPORT ON) FOR 1915.

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*Presented to both Houses of the General Assembly by Command of His Excellency.*

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The Hon. the MINISTER IN CHARGE OF DEPARTMENT FOR THE CARE OF MENTAL DEFECTIVES to His Excellency the GOVERNOR.

MY LORD,—

Wellington, 2nd June, 1916.

I have the honour to submit to Your Excellency the report of the Inspector-General of Mental Defectives for the year 1915.

I have, &c.,

G. W. RUSSELL,

Minister in Charge of Department for the Care of Mental Defectives.

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The INSPECTOR-GENERAL to the Hon. the MINISTER IN CHARGE OF THE DEPARTMENT FOR THE CARE OF MENTAL DEFECTIVES.

SIR,—

Wellington, 1st June, 1916.

I herewith present the report for the year ended 31st December, 1915.

A summary and analysis of the statistical tables in the appendix shows: The number of patients on the register at the beginning of the year was 4,111 (m., 2,408; f., 1,703); at the end 4,200 (m., 2,448; f., 1,752)—an increase of 89 (m., 40; f., 49). The total number under care during the year was 4,991 (m., 2,869; f., 2,122), being 135 (m., 11; f., 124) more than in 1914; while the average number resident, 4,094 (m., 2,391; f., 1,703), was 144 (m., 82; f., 62) in excess.

The ratio of patients on the register to population, exclusive of Maoris, was 37·79 per 10,000 (m., 43·05; f., 32·29), or 1 patient in 265 (m., 232; f., 310); including Maoris—their number on the register is 32 only—the figures are 36·44 per 10,000 (m., 41·46; f., 31·16), or 1 in 274 (m., 241; f., 321).

The admissions (excluding transfers—m., 11; f., 58) numbered 811 (m., 450; f., 361); the male admissions were 59 lower and the female 2 higher than in the previous year. Among these admissions are included 12 immigrants (2 with a history of previous attacks) who had been here for less than a year.

Of the total admissions, about one-fifth were patients who had previously been treated to recovery in our institutions, leaving the number of first admissions 651 (m., 378; f., 273), a decrease, compared with 1914, of 83 (m., 62; f., 21).

The ratio of admissions to population (excluding Maoris) was 7·20 per 10,000, and for first admissions 5·87; or, in other words, every 1,388 persons in the general population contributed an admission, and every 1,705 a first admission, figures which are an improvement upon the previous decennial average.

The total number of patients discharged (excluding transfers) was 438 (m., 238; f., 200), of which 359 (m., 202; f., 157) were discharged as recovered. The remaining 79 (m., 36; f., 43), though not recovered, were sufficiently well to be placed under the care of relatives or friends.

The percentage proportion of recoveries on admissions was 44·27 (m., 44·89; f., 43·21), as against 42·51 (m. 40·67; f., 45·12) in the previous year, and 39·96 (m., 37·68; f., 43·33) in the average for all years since 1876. This increase of recoveries must, I think, be regarded as satisfactory.

The deaths numbered 284 (m., 172; f., 112), giving a percentage of deaths on the average number resident of 6·94 (m., 7·19; f., 6·58), and on the total number (general register) under care during the year of 5·79 (m., 6·01; f., 5·42). The corresponding percentages for the previous year were 7·11 (m., 8·36; f., 5·36) and 5·82 (m., 6·79; f., 4·42) respectively.

Not included in the above analysis are 4 males resident at the beginning of the year who had been sent for observation under Magistrates' order, and 72 (m., 52; f., 20) so received during the year. Of that number, 28 (m., 16; f., 12) were formally committed, 1 male elected to remain on as a voluntary boarder, 1 was under observation at the end of the year, and 46 (m., 38; f., 8) after a short period of observation and treatment no longer needed oversight in a mental hospital.

Also not included are the voluntary boarders, of which class 21 (m., 6; f., 15) were resident at the beginning of the year, and 36 (m., 17; f., 19) were admitted during the year. Of the total, 24 (m. 9; f., 15) were discharged, 1 female died, and 6 boarders (m., 2; f., 4) were transferred to the register of patients, leaving 26 (m., 12; f., 14) resident at the end of the year.

The number of single patients under the Act is as yet too insignificant to include in the general statistics—1 male was in single care at the beginning of the year, and 1 was added during the year.

The patients on the register at the end of the year were distributed as follows:—

	Males.	Females.	Total.
Auckland	581	360	941
Christchurch	335	351	686
Dunedin (Seacliff and Waitati)	548	399	947
Hokitika	180	61	241
Nelson	84	103	187
Porirua	542	377	919
Tokanui	90	50	140
Ashburn Hall	19	21	40
On probation	69	30	99
	2,448	1,752	4,200

The accommodation in the State institutions was much taxed, except at Hokitika, Nelson, and Tokanui. The new buildings at Auckland were immediately filled on completion, and much-needed additions to the male infirmary ward are about to be carried out.

At Porirua and Sunnyside the delay in the completion of the new reception and hospital blocks, occasioned by the scarcity of skilled labour, has led to a congestion in the main institutions. To relieve this pressure at Porirua 50 women patients were transferred to Tokanui, where provision is being made to relieve other institutions, in which additions cannot be conveniently carried out, of their annual surplus or increase due to the excess of admissions over discharges and deaths. This and the completion of the hospital block will place Porirua in a fairly good position.

At Sunnyside the occupation of the new Nurses' Home affords a measure of relief by allowing the vacated rooms to be occupied by patients; further relief will be afforded when the reception and hospital block is ready for occupation, but provision is still required to allow of our abandoning the use of the attics for dormitories. The proportion of aged patients is high, and many could with advantage be segregated, leaving their places in the main institution for patients requiring more oversight and control. Plans have been prepared for a suitable home for such patients under the supervision of the institution staff. Besides the above, a plan for a small cottage for 10 patients has been approved.

At Seacliff some relief has been granted by the new building for women and the reception cottage for men, and during the current year it is proposed to add further accommodation for women patients and a consumptive shelter for men. At Waitati it is proposed to increase the accommodation for epileptics, and to start a substantially built and walled-in unit for a class of patients whose supervision at present is necessarily costly, and whose presence in an ordinary ward tends to restrict the amenities of others.

Under present circumstances nothing new has been done at Hokitika, where there is accommodation to spare; but at Nelson, where the additions to the auxiliary are now in occupation, the first contribution to the rebuilding of the institution, a new kitchen and a reception cottage, which had to be postponed, will be proceeded with.

In addition to the above buildings directly connected with accommodation, other necessary works have been and are being carried out to improve administration and contribute to the well-being of the patients.

The farms in connection with the institutions, as usual, show good returns.

The produce sold for cash realized £7,378, and the value of produce consumed was estimated at £16,637, making a total of £24,015, as against £21,583 in 1914. On the other hand, the expenses in regard to wages, cost of feed, &c., were higher. The net profit on the year's working amounted to £9,850.

Reviewing the average cost per patient during the year, there is an increase of £1 1s. 7d. over 1914, a figure which demonstrates the economy which has been exercised, considering that the extra cost of provisions alone has been in excess of this at every institution, making an average increase on that one item of £1 15s. 6d. Another unavoidable increase, averaging 14s. 1d. per patient, was due to salaries; necessary repairs charged to our vote increased by £1 1s. 3¼d., and the increased cost of drugs accounted for 6d. extra in the surgery account. These items total £3 11s. 4d. per head over the cost last year; but against this there was an economy in the other items of £1 13s. 9d., and the receipts (maintenance, sales of produce, &c.) were 16s. in excess of the previous year, leaving the net cost per patient £30 1s., as against £28 19s. 5d. in 1914, or an excess of £1 1s. 7d.

The decrease in the cost per head at Christchurch is apparent rather than real, being due to an abnormal increase in the previous year. For example, perishable stores were replenished in the last months of 1914 and reduced the average cost for the early months of 1915, and considerable non-recurring expenditure followed upon the destruction of No. 3 attic dormitory by fire in March of that year.

#### *Visits of Inspection.*

The following are in addition to the visits paid by District Inspectors and Official Visitors. As a general note it should be stated that every patient has the opportunity of a private interview, and that every complaint not obviously absurd is inquired into. Should any matter require rectification or adjustment this is done, but complaints, save against loss of liberty on the part of patients who cannot be trusted, are limited to a very few patients. There have been no epidemics, and the general health of the patients has been good.

*Auckland.*—Visited January, March, May, of 1915, and in February of this year. Both auxiliary buildings are now fully occupied. The renovation of the women's side is proceeding apace; the improved lighting and ventilation and the cheerful effect of repainting and decorating is an agreeable transformation. When the addition to the male infirmary ward is made and a further transfer of patients to Tokanui has been carried out it will be possible to treat the male side, ward by ward, similarly. In the infirmaries are many mentally infirm suffering from senile decay, and Dr. Beattie remarks, "I regret that too many senile cases are still admitted to this Hospital, exhibiting, in some cases, a desire to shirk home responsibility." The new drainage system is approaching completion, permitting connection with the city and suburban system and relieving the institution of a difficulty with which it has had to contend for a number of years. Dr. Beattie, Dr. Tizard, and the senior staff have had a strenuous year.

*Sunnyside.*—Visited in February, March, June, August, December, 1915, and in January and April, 1916. In Dr. Gow's indifferent health the anxiety and responsibility of managing a large institution was too great a strain, and Dr. Gribben changed places with him, at first temporarily, then permanently. Later Dr. Lee went to the front and Dr. Gribben was left single-handed. He had himself put in an application to get to the front, but at my desire permitted it to be left in abeyance, because I thought that his knowledge and energy were necessary for the administration of this institution, and that he would be serving his country at least equally well by remaining behind. The Nurses' Home is a great boon, and also relieves accommodation on the women's side; but the completion of the reception and hospital block is looked forward to, both to increase the accommodation and means of classification. The fire-alarm system is inefficient and obsolete, and something will need to be done pending a complete automatic installation. The kitchen is now served by women under the control of the Matron. The food is well cooked, and the uniformly excellent quality of the meat, apart from any question of cost, justifies the change from buying meat to buying stock and fattening for our own use. Without this strain placed upon the farm the land at our disposal was insufficient for our needs, and it will be necessary to add an auxiliary farm within easy distance for its administration and that of an auxiliary institution on the same site.

*Seacliff.*—Visited in March, June, November, December, 1915. Here, as at other institutions, work has been carried out under great stress owing to changes in the staff due to the war. Dr. Ross resigned to enter into private practice, and Dr. Gray was persuaded to defer his application for leave to go to the front. The supply of medical men for our work is limited, and, as a fair proportion of our assistant medical officers have gone on active service, the work of those left behind is correspondingly increased. I consider that in setting aside personal inclinations, in realizing the needs of our patients, and in carrying out extra duties ungrudgingly these men are acting bravely and according to the best traditions of their profession. The medical wants of Waitati are meantime served from Seacliff. In addition to the work of the institution, Dr. King is actively assisting the military authorities in the treatment of special cases. Realizing the great abnormal stress to which soldiers have been subjected, cases of mental shock and allied states are receiving skilled treatment apart from mental hospitals. So well adapted is the environment selected for these cases, with its free open life, that one feels that the best possible is being done. The soldiers visited were happy and getting on well. Where not obviously contra-indicated, the policy is to extend the benefits to all cases in the first instance, but, of course, where for the good of the patient or in the interests of the community it is necessary to admit in the first place or transfer any such patient to a mental hospital, false sentiment is not allowed to stand in the way. Happily the number of soldiers mentally defective in terms of the Act is remarkably few so far. Buildings proposed are included under the heading of accommodation. The completion of these will add greatly to the comfort and well-being of the patients. The water-service from Waitati has not been an unqualified success. There has been no extension of the slip. Apropos of a patient suffer-

ing from paranoia who escaped and remained in hiding for three months, thereby being discharged, District Inspector Galloway noted that the law should be amended so as to prevent such automatic discharge. The patient in question was recommitted. The killing of our own beef and mutton has proved highly satisfactory, and the fishing-station has augmented the food-supply as in the past. The necessity for a freezing-chamber at Sealiff to receive the freshly caught fish is recognized as necessary both for that institution and for the supply of others.

*Hokitika.*—Visited in June. Mr. Downey has arrived at retiring-age, but has agreed to carry on a little longer in order that the changes inevitable on his retirement may be postponed till they can be more conveniently carried out. The year's doings have the merit of being uneventful. Further experience has confirmed the advantage of buying stock for our own consumption.

*Nelson.*—Visited in April and August, 1915, and in January, 1916. The addition to the annexe is now in occupation, and a start is to be made with the rebuilding of the institution. Tenders have been authorized for the new kitchen, and it is expected that the reception cottage will be soon commenced. Dr. Jeffreys put in an application to be allowed to go to the front, which he withdrew upon my representations as to the necessity for the medical care of the patients.

At Richmond, where is located the institution for unteachable defective boys, there is not much to report. The boys continue to be well cared for under Mrs. Howard and the medical supervision of Dr. Jeffreys.

*Porirua.*—Visited in February, April, July, September, 1915, and in February and April, 1916. The matter of accommodation has been dealt with under the special heading. Dr. Hodgson was transferred here as Assistant Medical Officer, and quite recently Dr. McKillop has returned invalided from the front, but able to resume work. Apart from the accommodation, the greatest need here is a remodelling of the drainage system. The septic-tank effluent enters a creek which goes through the township, and was certainly objectionable during the hot, dry weather. Preliminary surveys have been made for piping the effluent into the harbour, and these are now being completed. It is to be hoped that the work will be regarded as urgent.

*Tokanui.*—Visited in January, May, October, 1915, and in January and March, 1916. In addition to the buildings completed and projected for the accommodation of patients, some farm buildings will be necessary. Electric light is installed. The temporary water-service will soon give place to the permanent supply, the pipes for which are now being laid. Under arrangement with the Justice Department a supply of road-metal has been obtained for the Te Mawhai Road. When this is in good order and the even-graded road now under construction from Waikeria joins it many of our pioneering difficulties will be overcome. The Justice Department's Waikeria property adjoins ours, and under arrangement with that Department Mr. Drysdale, late Manager of the Weraroa Experimental Farm, has been appointed joint estate-manager. The following is an excerpt from his first report: "From my observation of this farm, after a short residence, I am confident that with good farming the soil will respond profitably and compare very favourably with some of the richer soils in other districts."

*Ashburn Hall.*—Visited in March, June, and November, 1915. Recently the medical control of this licensed hospital has passed to Dr. Will from Dr. Alexander, who administered it for many years with conspicuous ability. I found everything in excellent order.

#### *Conclusion.*

As in the case of other Departments, this has been a strenuous year; but more particularly so with us, who have the care of irresponsible human beings. At each of the larger institutions we have been an Assistant Medical Officer short, and the work of administration has been unusually anxious because of the number of attendants who volunteered for active service. Their names, their deeds, and their losses will be recorded elsewhere, but I may state that the Department is proud of their spontaneous response to the call and of their record.

In conclusion, sir, I would state that you know of my wishes for the betterment of the institutions, and that I know of your desires in the same direction, and of your intention to carry them out as far as present circumstances permit.

FRANK HAY.

## APPENDIX.

TABLE I.—SHOWING THE ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS IN MENTAL HOSPITALS DURING THE YEAR 1915.

	M.			F.			T.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
In mental hospitals, 1st January, 1915 .. .. .	2,408	1,703	4,111						
Admitted for the first time .. .. .	378	273	651						
Readmitted .. .. .	72	88	160	461	419	880			
Transfers.. .. .	11	58	69						
<b>Total under care during the year .. .. .</b>	<b>2,869</b>	<b>2,122</b>	<b>4,991</b>						
Discharged and died—									
Recovered .. .. .	202	157	359						
Relieved .. .. .	26	34	60						
Not improved .. .. .	21	67	88						
Died .. .. .	172	112	284	421	370	791			
Remaining in mental hospitals, 31st December, 1915 .. .. .	2,448	1,752	4,200						
Increase over 31st December, 1914 .. .. .	40	49	89						
Average number resident during the year .. .. .	2,391	1,703	4,094						

TABLE II.—ADMISSIONS, DISCHARGES, AND DEATHS, WITH THE MEAN ANNUAL MORTALITY AND PROPORTION OF RECOVERIES, ETC., PER CENT. ON THE ADMISSIONS, ETC., DURING THE YEAR 1915.

Mental Hospitals.	In Mental Hospitals on 1st January, 1915.			Admissions in 1915.									Total Number of Patients under Care.		
				Admitted for the First Time.			Readmitted.			Total.					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Auckland .. .. .	561	362	923	105	67	172	26	23	49	131	90	221	692	452	1,144
Christchurch .. .. .	354	329	683	59	53	112	10	25	35	69	78	147	423	407	830
Dunedin (Seacliff) .. .. .	557	389	946	73	48	121	17	17	34	90	65	155	647	454	1,101
Hokitika .. .. .	194	65	259	13	14	27	1	..	1	14	14	28	208	79	287
Nelson .. .. .	103	112	215	7	11	18	1	1	2	8	12	20	111	124	235
Porirua .. .. .	523	423	946	119	77	196	27	28	55	146	105	251	669	528	1,197
Tokanui .. .. .	94	..	94	..	..	..	..	50	50	..	50	50	94	50	144
Ashburn Hall (private mental hospital) .. .. .	22	23	45	2	3	5	1	2	3	3	5	8	25	28	53
<b>Totals .. .. .</b>	<b>2,408</b>	<b>1,703</b>	<b>4,111</b>	<b>378</b>	<b>273</b>	<b>651</b>	<b>83</b>	<b>146</b>	<b>229</b>	<b>461</b>	<b>419</b>	<b>880</b>	<b>2,869</b>	<b>2,122</b>	<b>4,991</b>
Mental Hospitals.	Patients discharged and died.												In Mental Hospitals on 31st December, 1915.		
	Discharged recovered.			Discharged not recovered.			Died.			Total discharged and died.					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Auckland .. .. .	56	50	106	..	4	4	52	34	86	108	88	196	584	364	948
Christchurch .. .. .	37	36	73	5	4	9	33	13	46	75	53	128	348	354	702
Dunedin (Seacliff) .. .. .	33	12	45	12	15	27	29	25	54	74	52	126	573	402	975
Hokitika .. .. .	12	8	20	3	1	4	12	3	15	27	12	39	181	67	248
Nelson .. .. .	3	7	10	3	3	6	3	6	9	9	16	25	102	108	210
Porirua .. .. .	60	44	104	19	67	86	40	31	71	119	142	261	550	386	936
Tokanui .. .. .	..	..	..	1	..	1	2	..	2	3	..	3	91	50	141
Ashburn Hall (private mental hospital) .. .. .	1	..	1	4	7	11	1	..	1	6	7	13	19	21	40
<b>Totals .. .. .</b>	<b>202</b>	<b>157</b>	<b>359</b>	<b>47</b>	<b>101</b>	<b>148</b>	<b>172</b>	<b>112</b>	<b>284</b>	<b>421</b>	<b>370</b>	<b>791</b>	<b>2,448</b>	<b>1,752</b>	<b>4,200</b>
Mental Hospitals.	Average Number resident during the Year.			Percentage of Recoveries on Admissions during the Year.			Percentage of Deaths on Average Number resident during the Year.			Percentage of Deaths on the Admissions.					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
	Auckland .. .. .	576	359	935	43.08	55.05	48.40	9.21	9.44	9.20	40.00	38.20	39.27		
Christchurch .. .. .	338	335	673	55.22	48.00	51.41	9.76	3.88	6.84	49.25	17.33	32.39			
Dunedin (Seacliff) .. .. .	565	396	961	38.37	19.35	30.41	5.13	6.31	5.62	33.72	40.32	36.49			
Hokitika .. .. .	186	60	246	92.31	57.14	74.07	6.45	5.00	6.10	92.31	21.30	55.55			
Nelson .. .. .	84	109	193	42.86	58.33	52.63	3.57	5.50	4.66	42.86	50.00	47.37			
Porirua .. .. .	529	419	948	41.67	41.90	41.77	7.56	7.40	7.49	27.78	29.52	28.51			
Tokanui .. .. .	92	3	95	..	..	..	2.17	..	2.11	..	..	..			
Ashburn Hall (private mental hospital) .. .. .	21	22	43	33.33	..	14.29	4.76	..	2.33	33.33	..	14.29			
<b>Totals .. .. .</b>	<b>2,391</b>	<b>1,703</b>	<b>4,094</b>	<b>44.89</b>	<b>43.21</b>	<b>44.27</b>	<b>7.19</b>	<b>6.58</b>	<b>6.94</b>	<b>38.22</b>	<b>31.02</b>	<b>35.02</b>			

TABLE III.—AGES OF ADMISSIONS.

Ages.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private Mental Hospital).			Total.				
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		
Under 5 years ..	..	..	..	0	1	1	0	1	1	..	..	..	1	0	1	0	2	2	..	..	..	..	..	..	1	2	3		
From 5 to 10 years ..	..	..	..	..	..	..	1	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3		
" 10 " 15 "	..	..	..	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	2	2		
" 15 " 20 "	..	..	..	4	5	9	..	..	6	0	1	1	1	1	1	7	9	16	0	1	1	..	..	..	19	22	41		
" 20 " 30 "	28	16	44	9	11	20	20	16	36	0	1	1	1	4	4	32	25	57	90	74	164	1	1	2	90	74	164		
" 30 " 40 "	32	26	58	16	22	38	20	11	31	7	2	9	3	2	5	46	24	70	126	89	215	2	2	4	126	89	215		
" 40 " 50 "	27	19	46	13	10	23	15	15	30	1	5	6	0	3	3	27	23	50	83	75	158	..	..	..	83	75	158		
" 50 " 60 "	16	10	26	8	9	17	12	5	17	0	2	2	0	1	1	14	13	27	50	41	91	..	..	..	50	41	91		
" 60 " 70 "	10	7	17	6	7	13	7	5	12	3	2	5	1	0	1	11	4	15	38	25	63	..	..	..	38	25	63		
" 70 " 80 "	11	2	13	7	5	12	6	4	10	2	1	3	1	1	2	5	4	9	32	17	49	..	..	..	32	17	49		
" 80 " 90 "	2	0	2	3	4	7	0	2	2	..	..	..	0	1	1	2	0	2	7	7	14	..	..	..	7	7	14		
" 90 " 100 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
" 100 " 105 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	0	4	4	..	..	..	2	0	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	4	7	
Transfers ..	1	1	2	1	0	1	4	3	7	1	0	1	1	0	1	2	0	2	0	50	50	..	..	..	..	11	58	69	
Not insane ..	0	1	1	2	3	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	1	1	
Totals ..	131	90	221	69	78	147	90	65	155	14	14	28	8	12	20	146	105	251	0	50	50	3	5	8	461	419	880		

TABLE IV.—DURATION OF DISORDER ON ADMISSION.

—	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private Mental Hospital).			Total.			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
First Class (first attack and within 3 months on admission)	78	48	126	30	24	54	48	19	62	8	5	13	2	7	9	96	44	140	..	..	..	2	1	3	259	148	407	
Second Class (first attack above 3 months and within 12 months on admission)	15	8	23	10	11	21	5	8	13	1	2	3	2	0	2	13	21	34	..	..	..	..	..	..	46	50	96	
Third Class (not first attack, and within 12 months on admission)	25	22	47	16	29	45	13	19	32	4	7	11	2	5	7	24	21	45	..	..	..	..	..	..	84	103	187	
Fourth Class (first attack or not, but of more than 12 months on admission)	12	10	22	10	11	21	25	16	41	..	..	..	1	0	1	11	19	30	..	..	..	1	3	4	60	59	119	
Unknown ..	..	..	..	1	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1
Transfers ..	1	1	2	2	3	5	4	3	7	1	0	1	1	0	1	2	0	2	..	..	..	0	1	1	11	58	69	
Not insane ..	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	1	1
Totals ..	131	90	231	69	78	147	90	65	155	14	14	28	8	12	20	146	105	251	0	50	50	3	5	8	461	419	880	

TABLE V.—AGES OF PATIENTS DISCHARGED "RECOVERED" AND "NOT RECOVERED" DURING THE YEAR 1915.

Ages.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanni.			Ashburn Hall (Private M.H.).			Total.																	
	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.																		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.															
From 5 to 10 years ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
" 10 " 15 "	4	3	7	3	1	4	1	0	1	1	0	1	0	1	1	0	1	1	1	0	1	0	1	1	11	8	19	3	2	5												
" 15 " 20 "	16	8	24	6	8	14	12	5	17	3	4	7	1	1	2	3	4	7	1	0	1	51	35	86	12	9	21	6	9	15												
" 20 " 30 "	11	12	23	0	1	1	11	13	24	1	2	3	1	0	1	2	2	4	..	..	..	..	..	..	62	48	110	4	8	12												
" 30 " 40 "	15	11	26	0	1	1	1	8	9	3	6	9	..	..	..	2	5	7	..	..	..	..	..	..	45	34	79	5	6	11												
" 40 " 50 "	6	8	14	..	..	..	7	2	9	0	1	1	..	..	..	2	5	7	..	..	..	..	..	..	1	1	2	1	1	2												
" 50 " 60 "	3	5	8	0	1	1	0	4	4	3	3	6	1	1	2	5	1	6	..	..	..	..	..	..	0	1	1	1	1	2	3	5	8									
" 60 " 70 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3	2	3	5									
" 70 " 80 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1	1	0	1									
" 80 " 90 "	1	2	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1	1	0	1									
Unknown Transfers ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..									
Not insane ..	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..									
Totals ..	56	50	106	4	4	8	43	36	79	5	4	9	3	1	4	3	7	10	3	3	6	60	44	104	19	67	86	..	..	..	1	0	1	4	7	11	202	157	359	47	101	148

TABLE VI.—AGES OF PATIENTS WHO DIED.

Ages.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanni.			Ashburn Hall (Private M.H.).			Total.								
	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.	Re- covered.	Not re- covered.	Total.									
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.						
From 5 to 10 years ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
" 10 " 15 "	0	1	1	1	0	1	1	0	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1			
" 15 " 20 "	2	5	7	4	2	6	2	0	2	2	4	6	1	1	2	0	2	2	0	2	2	0	2	2	0	2	2	1	3	4			
" 20 " 30 "	3	3	6	1	1	2	7	3	10	2	3	5	0	1	1	8	2	10	..	..	..	..	..	..	..	..	..	21	8	29			
" 30 " 40 "	9	6	15	7	3	10	4	5	9	4	8	12	1	0	1	5	8	13	..	..	..	..	..	..	..	..	..	25	17	42			
" 40 " 50 "	12	4	16	8	3	11	4	4	8	4	8	12	1	1	2	6	3	9	..	..	..	..	..	..	..	..	..	30	20	50			
" 50 " 60 "	11	7	18	11	4	15	7	10	17	1	1	2	1	1	2	11	6	17	..	..	..	..	..	..	..	..	..	34	19	53			
" 60 " 70 "	9	5	14	1	0	1	1	1	2	2	1	3	0	2	2	2	1	3	..	..	..	..	..	..	..	..	..	41	28	69			
" 70 " 80 "	5	2	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	5	16			
" 80 " 90 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1			
" 90 " 100 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
While on trial ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	52	34	86	33	13	46	29	25	54	12	3	15	3	6	9	40	31	71	..	..	..	2	0	2	1	0	1	172	112	284			

TABLE VII.—CONDITION AS TO MARRIAGE.

	Admissions.			Discharges.			Deaths.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
<b>AUCKLAND—</b>									
Single ..	80	30	110	36	10	46	30	16	46
Married ..	43	50	93	18	38	56	14	11	25
Widowed ..	6	9	15	2	4	6	6	6	12
Unknown ..	1	0	1	0	1	1	1	0	1
Died while absent on trial ..	..	..	..	..	..	..	1	1	2
Transfers ..	1	1	2	0	1	1	..	..	..
<b>Totals</b> ..	<b>131</b>	<b>90</b>	<b>221</b>	<b>56</b>	<b>54</b>	<b>110</b>	<b>52</b>	<b>34</b>	<b>86</b>
<b>CHRISTCHURCH—</b>									
Single ..	32	36	68	26	13	39	13	5	18
Married ..	29	28	57	11	20	31	16	4	20
Widowed ..	5	11	16	3	6	9	4	4	8
Unknown ..	1	0	1	1	0	1	..	..	..
Transfers ..	2	3	5	1	1	2	..	..	..
<b>Totals</b> ..	<b>69</b>	<b>78</b>	<b>147</b>	<b>42</b>	<b>40</b>	<b>82</b>	<b>33</b>	<b>13</b>	<b>46</b>
<b>DUNEDIN (Seacliff)—</b>									
Single ..	59	30	89	28	16	44	19	7	26
Married ..	22	23	45	10	8	18	6	9	15
Widowed ..	5	9	14	3	1	4	4	9	13
Unknown ..	..	..	..	..	..	..	..	..	..
Transfers ..	4	3	7	4	2	6	..	..	..
<b>Totals</b> ..	<b>90</b>	<b>65</b>	<b>155</b>	<b>45</b>	<b>27</b>	<b>72</b>	<b>29</b>	<b>25</b>	<b>54</b>
<b>HOKITIKA—</b>									
Single ..	8	5	13	11	5	16	10	3	13
Married ..	3	6	9	2	3	5	..	..	..
Widowed ..	2	3	5	1	1	2	2	0	2
Unknown ..	..	..	..	..	..	..	..	..	..
Transfers ..	1	0	1	1	0	1	..	..	..
<b>Totals</b> ..	<b>14</b>	<b>14</b>	<b>28</b>	<b>15</b>	<b>9</b>	<b>24</b>	<b>12</b>	<b>3</b>	<b>15</b>
<b>NELSON—</b>									
Single ..	4	3	7	4	2	6	3	2	5
Married ..	3	5	8	1	7	8	0	1	1
Widowed ..	0	4	4	0	1	1	0	3	3
Unknown ..	..	..	..	..	..	..	..	..	..
Transfers ..	1	0	1	1	0	1	..	..	..
<b>Totals</b> ..	<b>8</b>	<b>12</b>	<b>20</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>3</b>	<b>6</b>	<b>9</b>
<b>PORIRUA—</b>									
Single ..	77	47	124	52	22	74	16	9	25
Married ..	56	48	104	23	33	56	22	16	38
Widowed ..	11	10	21	3	5	8	2	6	8
Unknown ..	..	..	..	..	..	..	..	..	..
Transfers ..	2	0	2	1	51	52	..	..	..
<b>Totals</b> ..	<b>146</b>	<b>105</b>	<b>251</b>	<b>79</b>	<b>111</b>	<b>190</b>	<b>40</b>	<b>31</b>	<b>71</b>
<b>TOKANUI—</b>									
Single ..	..	..	..	..	..	..	1	0	1
Married ..	..	..	..	..	..	..	1	0	1
Widowed ..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	..	..	..	..
Transfers ..	0	50	50	1	0	1	..	..	..
<b>Totals</b> ..	<b>0</b>	<b>50</b>	<b>50</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>
<b>ASHBURN HALL (private mental hospital)—</b>									
Single ..	1	2	3	1	0	1	..	..	..
Married ..	2	1	3	1	2	3	1	0	1
Widowed ..	0	1	1	0	1	1	..	..	..
Unknown ..	..	..	..	..	..	..	..	..	..
Transfers ..	0	1	1	3	4	7	..	..	..
<b>Totals</b> ..	<b>3</b>	<b>5</b>	<b>8</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>TOTALS—</b>									
Single ..	261	153	414	158	68	226	92	42	134
Married ..	158	161	319	66	111	177	60	41	101
Widowed ..	29	47	76	12	19	31	18	28	46
Unknown ..	2	0	2	1	1	2	1	0	1
Died while absent on trial ..	..	..	..	..	..	..	1	1	2
Transfers ..	11	58	69	12	59	71	..	..	..
<b>Totals</b> ..	<b>461</b>	<b>419</b>	<b>880</b>	<b>249</b>	<b>258</b>	<b>507</b>	<b>172</b>	<b>112</b>	<b>284</b>



TABLE VIII.—NATIVE COUNTRIES.

Countries.	Auckland.			Christchurch.			Dunedin (Sea-cliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
England	145	82	227	93	100	193	97	64	161	32	14	46	11	25	36	157	84	241	25	6	31	4	6	10	564	381	945	
Scotland	27	18	45	42	49	91	100	71	171	12	6	18	4	7	11	49	24	73	3	0	3	5	2	7	242	177	419	
Ireland	75	46	121	24	18	42	88	57	145	44	9	53	12	13	25	57	54	111	11	7	18	1	0	1	311	204	515	
Wales	4	0	4	..	..	..	..	..	..	1	0	1	..	..	..	2	0	2	1	1	2	1	0	1	9	1	10	
New Zealand	195	175	370	160	163	323	228	179	407	54	25	79	68	53	121	213	190	403	39	36	75	8	11	19	965	832	1797	
Australian States	34	11	45	13	11	24	17	20	37	8	5	13	1	3	4	30	13	43	2	0	2	0	2	2	105	65	170	
France	2	0	2	..	..	..	11	1	12	6	0	6	1	1	2	1	0	1	..	..	..	..	..	..	3	0	3	
Germany	6	2	8	3	1	4	1	1	12	6	0	6	1	1	2	7	5	12	1	0	1	..	..	..	35	10	45	
Austria	14	1	15	0	1	1	1	0	1	..	..	..	..	..	..	0	1	1	4	0	4	..	..	..	19	3	22	
Norway	2	0	2	1	0	1	4	1	5	1	0	1	0	2	2	2	0	2	..	..	..	..	..	..	..	11	3	14
Sweden	7	1	8	3	0	3	3	0	3	5	0	5	1	0	1	6	3	9	1	0	1	..	..	..	26	4	30	
Denmark	3	0	3	2	2	4	2	1	3	..	..	..	..	..	..	6	0	6	1	0	1	..	..	..	14	3	17	
Italy	4	0	4	2	0	2	1	0	1	7	0	7	..	..	..	3	0	3	..	..	..	..	..	..	17	0	17	
China	1	0	1	1	0	1	13	0	13	6	0	6	..	..	..	2	0	2	..	..	..	..	..	..	23	0	23	
Maoris	14	7	21	1	1	2	8	8	16	4	0	4	2	1	3	2	2	4	1	0	1	1	0	1	20	12	32	
Other Countries	23	4	27	3	7	10	..	..	..	4	0	4	2	3	5	13	10	23	1	0	1	1	0	1	55	32	87	
Unknown	28	17	45	..	..	..	..	..	..	1	8	9	..	..	..	..	..	..	..	..	..	..	..	..	29	25	54	
Totals	584	364	948	348	354	702	573	402	975	181	67	248	102	108	210	550	386	936	91	50	141	19	21	40	2448	1752	4200	

TABLE IX.—AGES OF PATIENTS ON 31st DECEMBER, 1915.

Ages.	Auckland.			Christchurch.			Dunedin (Sea-cliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
From 1 to 5 years	..	..	..	0	1	1	1	1	2	..	..	..	1	0	1	0	2	2	..	..	..	..	..	..	..	..	..
" 5 " 10 "	..	..	..	1	1	2	1	0	1	..	..	..	5	1	6	6	9	15	..	..	..	..	..	..	7	4	11
" 10 " 15 "	..	..	..	1	3	4	1	4	5	..	..	..	5	1	6	6	9	15	..	..	..	..	..	..	18	19	37
" 15 " 20 "	..	..	..	6	7	13	4	6	10	..	..	..	10	1	11	8	10	18	..	..	..	..	..	..	34	33	67
" 20 " 30 "	..	..	..	40	35	75	62	48	110	6	3	9	17	7	24	86	47	133	4	5	9	1	1	2	288	191	479
" 30 " 40 "	..	..	..	87	80	167	132	81	213	34	9	43	14	20	34	130	83	213	19	8	27	1	1	2	539	349	888
" 40 " 50 "	..	..	..	70	76	146	125	99	224	37	16	53	14	32	46	122	90	212	26	15	41	2	3	5	529	429	958
" 50 " 60 "	..	..	..	55	69	124	109	72	181	38	12	50	15	25	40	99	81	180	20	10	30	6	8	14	461	349	810
" 60 " 70 "	..	..	..	46	48	94	75	52	127	32	12	44	14	14	28	69	39	108	9	11	20	6	8	14	315	224	539
" 70 " 80 "	..	..	..	32	24	56	55	28	83	20	8	28	6	2	8	22	21	43	3	0	3	3	5	8	177	106	283
" 80 " 90 "	..	..	..	8	9	17	8	11	19	2	0	2	1	1	2	8	4	12	..	..	..	2	1	3	39	29	68
Upwards of 90 "	..	..	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3
Unknown	15	5	20	1	0	1	..	..	..	12	6	18	0	4	4	..	..	..	10	0	10	..	..	..	38	15	53
Totals	584	364	948	348	354	702	573	402	975	181	67	248	102	108	210	550	386	936	91	50	141	19	21	40	2448	1752	4200

TABLE X.—LENGTH OF RESIDENCE OF PATIENTS WHO DIED DURING 1915.

Length of Residence	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 1 month	4	6	10	7	2	9	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
From 1 to 3 months	7	2	9	0	2	2	3	3	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 3 " 6 "	1	0	1	2	0	2	3	0	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 6 " 9 "	4	1	5	2	0	2	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 9 " 12 "	3	0	3	1	0	1	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 1 " 2 years	9	2	11	3	1	4	2	1	3	2	1	3	4	2	1	3	4	2	1	3	4	2	1	3	4	2	1
" 2 " 3 "	5	2	7	4	3	7	3	4	7	4	0	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 3 " 5 "	2	4	6	4	3	4	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 5 " 7 "	3	1	4	4	0	4	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 7 " 10 "	3	5	8	1	1	2	3	2	5	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 10 " 12 "	1	2	3	1	1	2	1	0	1	1	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 12 " 15 "	1	0	1	1	0	1	2	1	3	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Over 15 years	8	8	16	6	1	7	2	8	10	0	1	1	1	2	3	5	6	11	..	..	..	..	..	..	..	..	..
Died while absent on trial	1	1	2	..	..	..	..	..	..	1	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	52	34	86	33	13	46	29	25	54	12	3	15	3	6	9	40	31	71	2	0	2	1	0	1	172	112	284

TABLE XI.—LENGTH OF RESIDENCE OF PATIENTS DISCHARGED "RECOVERED" DURING 1915.

Length of Residence.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 1 month	..	..	22	2	1	3	0	1	1	2	0	2	1	0	1	..	..	..	..	..	..	..	..	..	..	..	..
From 1 to 3 months	13	9	32	12	7	19	8	4	12	2	1	3	1	0	1	16	3	19	1	0	1	..	..	..	..	..	..
" 3 " 6 "	18	14	21	9	7	16	6	2	10	..	..	..	1	4	5	17	15	32	..	..	..	..	..	..	..	..	..
" 6 " 9 "	12	9	21	6	7	13	4	0	4	4	0	4	0	3	3	13	10	23	..	..	..	..	..	..	..	..	..
" 9 " 12 "	1	8	9	4	4	8	3	1	4	0	4	4	1	2	3	1	2	3	..	..	..	..	..	..	..	..	..
" 1 " 2 years	7	7	14	3	4	7	4	1	5	1	2	3	1	0	1	4	5	9	..	..	..	..	..	..	..	..	..
" 2 " 3 "	2	0	2	0	1	1	1	1	2	2	0	2	..	..	..	2	1	3	..	..	..	..	..	..	..	..	..
" 3 " 5 "	1	0	1	0	1	1	1	1	2	0	1	1	..	..	..	1	0	1	..	..	..	..	..	..	..	..	..
" 5 " 7 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 7 " 10 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 10 " 12 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 12 " 15 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Over 15 years	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Not insane	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	56	50	106	37	36	73	33	12	45	12	8	20	3	7	10	60	44	104	..	..	..	1	0	1	202	157	359

TABLE XII.—CAUSES OF DEATH.

Causes.	Auckland.	Christ- church.	Dunedin (Seacliff).	Hokitika.	Nelson.	Porirua.	Tokanui.	Ashburn Hall.	Totals.
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
<b>I. GENERAL DISEASES.</b>									
Septicæmia .. .. .	.. .. .	2 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	2 1
Exophthalmic goitre .. .. .	.. .. .	1 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 1
Influenza .. .. .	.. .. .	1 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 1
Tuberculosis—									
Acute broncho-pneumonia .. .. .	.. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
Acute miliary tuberculosis .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	0 1	.. .. .	.. .. .	.. .. .	0 1
Acute phthisis .. .. .	.. .. .	.. .. .	3 2	.. .. .	.. .. .	2 5	.. .. .	.. .. .	5 7
Of lung .. .. .	2 2	1 1	.. .. .	.. .. .	.. .. .	0 4	.. .. .	.. .. .	3 7
Peritonitis .. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
Cancer .. .. .	1 2	1 0	.. .. .	.. .. .	.. .. .	2 2	.. .. .	.. .. .	4 4
Anæmia, pernicious .. .. .	.. .. .	.. .. .	0 1	.. .. .	.. .. .	1 0	.. .. .	.. .. .	1 1
Diabetes .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	0 1	.. .. .	.. .. .	0 1
Alcoholism .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0	1 0
<b>II. DISEASES OF THE NERVOUS SYSTEM.</b>									
Mania, exhaustion from .. .. .	1 1	3 0	0 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	4 2
Melancholia, exhaustion from .. .. .	.. .. .	2 0	.. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	3 0
General paralysis of insane .. .. .	7 0	1 0	5 1	.. .. .	1 0	10 2	.. .. .	.. .. .	24 3
Disseminated sclerosis .. .. .	.. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
Paraplegia, spastic .. .. .	.. .. .	0 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	0 1
Organic brain-disease .. .. .	16 10	1 0	.. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	18 10
Cerebral hæmorrhage (apoplexy) .. .. .	0 2	1 1	1 1	1 0	.. .. .	.. .. .	.. .. .	.. .. .	3 4
Convulsions .. .. .	.. .. .	.. .. .	.. .. .	0 1	.. .. .	.. .. .	.. .. .	.. .. .	0 1
Epilepsy .. .. .	1 2	.. .. .	4 2	2 0	.. .. .	1 1	.. .. .	.. .. .	8 5
Delirious mania, acute .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	0 2	.. .. .	.. .. .	0 2
<b>III. DISEASES OF THE RESPIRATORY SYSTEM.</b>									
Bronchio-pneumonia .. .. .	.. .. .	1 0	4 1	1 1	.. .. .	.. .. .	.. .. .	.. .. .	6 2
Hypostatic pneumonia .. .. .	.. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
Lobar pneumonia .. .. .	3 3	2 0	.. .. .	.. .. .	.. .. .	2 4	.. .. .	.. .. .	7 7
Empyema .. .. .	.. .. .	0 2	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	0 2
Bronchitis .. .. .	.. .. .	.. .. .	.. .. .	0 1	.. .. .	.. .. .	.. .. .	.. .. .	0 1
Pleurisy .. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
Asthma .. .. .	1 0	.. .. .	0 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 1
<b>IV. DISEASES OF THE CIRCULATORY SYSTEM.</b>									
Valvular disease of heart .. .. .	3 2	.. .. .	.. .. .	3 0	.. .. .	2 4	.. .. .	.. .. .	8 6
Heart-failure .. .. .	1 0	.. .. .	1 0	2 0	.. .. .	.. .. .	.. .. .	.. .. .	4 0
Fatty degeneration of heart .. .. .	.. .. .	.. .. .	0 2	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	0 2
Cerebral embolism .. .. .	0 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	0 1
Cerebral effusion .. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
<b>V. DISEASES OF THE DIGESTIVE SYSTEM.</b>									
Duodenal ulcer .. .. .	.. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
Chronic gastritis .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	.. .. .	1 0
Dysentery .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0	.. .. .	1 0
Peritonitis .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	1 0
Strangulated hernia .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 1	.. .. .	.. .. .	1 1
Enteritis, acute .. .. .	1 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 1
Colitis .. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
<b>VI. DISEASES OF THE GENITO-URINARY SYSTEM.</b>									
Bright's disease .. .. .	1 0	1 0	1 0	.. .. .	1 1	1 0	.. .. .	.. .. .	5 1
Nephritis, acute .. .. .	.. .. .	.. .. .	0 1	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	0 1
Sarcoma of kidney .. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0
<b>VIII. OLD AGE.</b>									
Senility .. .. .	11 7	11 5	7 12	1 0	0 4	10 5	1 0	.. .. .	41 33
<b>IX. EXTERNAL CAUSES.</b>									
Suicide by hanging .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	2 0	.. .. .	.. .. .	2 0
Asphyxia .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	1 0
Shock, following scalding in bath .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	1 0
<b>X. ILL-DEFINED CAUSES.</b>									
Asthænia .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	1 0	.. .. .	.. .. .	1 0
Died while absent on trial .. .. .	1 1	.. .. .	.. .. .	1 0	.. .. .	1 0	.. .. .	.. .. .	3 1
	52 34	33 13	29 25	12 3	3 6	40 31	2 0	1 0	172 112





TABLE XV.—PRINCIPAL ASSIGNED CAUSES OF INSANITY.

Causes.	Auckland.		Christchurch.		Dunedin (Seacliff).		Hokitika.		Nelson.		Porirua.		Tokanui.		Ashburn Hall (Private Mental Hospital).		Total.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Heredity .. .. .	14	17	2	3	11	9	0	4	2	7	40	27	..	..	2	2	71	69
Congenital .. .. .	15	7	5	8	8	6	1	0	..	..	10	6	..	..	..	..	39	27
Previous attack .. .. .	8	11	7	13	..	..	..	..	..	..	9	14	..	..	..	..	24	38
Puberty and adolescence .. .. .	..	..	4	4	5	0	..	..	1	0	5	8	..	..	..	..	15	12
Climacteric .. .. .	0	2	0	5	0	4	0	1	0	2	0	11	..	..	..	..	0	25
Senility .. .. .	21	8	17	12	8	11	2	2	1	2	9	5	..	..	0	1	58	41
Pregnancy .. .. .	..	..	..	..	..	..	..	..	..	..	0	1	..	..	..	..	0	1
Puerperal state .. .. .	0	4	0	4	0	5	0	1	0	1	0	4	..	..	..	..	0	19
Mental stress, sudden .. .. .	1	4	..	..	..	..	0	1	..	..	..	..	..	..	..	..	1	5
"  prolonged .. .. .	11	11	2	3	3	2	1	3	1	0	2	7	..	..	..	..	20	26
Privation .. .. .	..	..	..	..	..	..	..	..	..	..	0	1	..	..	..	..	0	1
Sexual excess .. .. .	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Alcohol .. .. .	20	3	7	2	16	0	3	1	2	0	26	7	..	..	..	..	74	13
Drug habit .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1	0
Syphilis .. .. .	7	1	5	0	6	0	1	0	..	..	13	1	..	..	..	..	32	2
Influenza .. .. .	..	..	..	..	5	2	..	..	..	..	0	1	..	..	..	..	5	3
Toxæmia .. .. .	..	..	0	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1
Traumatic .. .. .	1	0	1	0	2	0	1	0	..	..	3	0	..	..	..	..	8	0
Organic brain-disease .. .. .	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	2	1
Epilepsy .. .. .	5	5	1	1	5	2	..	..	..	..	4	4	..	..	..	..	15	12
Apoplexy .. .. .	3	1	..	..	..	..	..	..	..	..	3	0	..	..	..	..	6	1
Arterio-sclerosis .. .. .	..	..	..	..	1	0	..	..	..	..	2	1	..	..	..	..	3	1
Ill health (undefined) .. .. .	0	2	4	7	6	14	..	..	..	..	..	..	..	..	..	..	10	23
Unknown .. .. .	23	13	10	11	10	7	4	1	..	..	18	7	..	..	0	1	65	40
Transfers .. .. .	1	1	2	3	4	3	1	0	1	0	2	0	0	50	0	1	11	58
Totals .. .. .	31	90	69	78	90	65	14	14	8	12	146	105	0	50	3	5	461	419

TABLE XVI.—SHOWING THE ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS FROM THE 1ST JANUARY, 1876, TO THE 31ST DECEMBER, 1915.

Persons admitted during period from 1st January, 1876, to 31st December, 1915 .. .. .	M.	F.	T.	M.	F.	T.
	10,741	6,937	17,678			
Readmissions .. .. .	2,710	2,203	4,913	..	..	..
Total cases admitted .. .. .	..	..	..	13,451	9,140	22,591
Discharged cases—	..	..	..	..	..	..
Recovered .. .. .	5,068	3,960	9,028	..	..	..
Relieved .. .. .	1,009	847	1,856	..	..	..
Not improved .. .. .	1,258	917	2,175	..	..	..
Died .. .. .	4,150	1,918	6,068	..	..	..
Total cases discharged and died since January, 1876 .. .. .	..	..	..	11,485	7,642	19,127
Remaining, 1st January, 1876 .. .. .	..	..	..	482	254	736
Remaining, 1st January, 1916 .. .. .	..	..	..	2,448	1,752	4,200

TABLE XVII.—SUMMARY OF TOTAL ADMISSIONS: PERCENTAGE OF CASES SINCE THE YEAR 1876.

	Males.	Females.	Both Sexes.
Recovered .. .. .	37·68	43·33	39·96
Relieved .. .. .	7·50	9·27	8·21
Not improved .. .. .	9·35	10·08	9·68
Died .. .. .	30·85	20·98	26·86
Remaining .. .. .	14·62	16·39	15·34
	100·00	100·00	100·00

TABLE XVIII.—EXPENDITURE, OUT OF PUBLIC WORKS FUND, ON MENTAL HOSPITAL BUILDINGS, ETC., DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1916, AND LIABILITIES AT THAT DATE.

Mental Hospitals.	Net Expenditure for Year ended 31st March, 1916.	Liabilities on 31st March, 1916.
Auckland .. .. .	£ 2,774	£ 5
Tokanui .. .. .	10,640	176
Porirua .. .. .	17,518	1,000
Christchurch .. .. .	15,157	750
Seacliff .. .. .	6,721	..
Waitati .. .. .	671	5
Nelson .. .. .	1,417	..
Totals .. .. .	54,898	1,936

TABLE XIX.—TOTAL EXPENDITURE, OUT OF PUBLIC WORKS FUND, FOR BUILDINGS AND EQUIPMENT AT EACH MENTAL HOSPITAL FROM 1ST JULY, 1877, TO 31ST MARCH, 1916.

Mental Hospitals.	1877-1908.	1908-9.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	Total Net Expenditure, 1st July, 1877, to 31st March, 1916.
Auckland	£ 105,687	£ 1,318	£ 1,524	£ 463	£ 105	£ 135	£ 8,908	£ 23,434	£ 2,774	£ 144,348
Reception-house at Auckland	..	..	..	..	..	..	..	..	..	..
Motuhi Island	..	..	..	..	..	..	..	..	..	..
Tokanui	..	..	..	..	..	..	..	..	..	..
Wellington	..	..	..	..	..	..	..	..	..	..
Wellington (Ponirua)	..	..	..	..	..	..	..	..	..	..
Christchurch	..	..	..	..	..	..	..	..	..	..
Seacliff	..	..	..	..	..	..	..	..	..	..
Waitati	..	..	..	..	..	..	..	..	..	..
Dunedin (The Camp)	..	..	..	..	..	..	..	..	..	..
Napier	..	..	..	..	..	..	..	..	..	..
Hokitika	..	..	..	..	..	..	..	..	..	..
Richmond	..	..	..	..	..	..	..	..	..	..
Nelson	..	..	..	..	..	..	..	..	..	..
Totals	£ 549,792	£ 15,297	£ 19,898	£ 12,707	£ 8,809	£ 46,181	£ 28,001	£ 53,996	£ 1,417	£ 787,519

TABLE XX.—SHOWING THE EXPENDITURE FOR THE YEAR 1915.

Items.	Auckland.	Christchurch.	Dunedin (Seacliff).	Hokitika.	Nelson.	Ponirua.	Tokanui.	Total.
Inspector-General	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Deputy Inspector-General and Assistant Inspector*	..	..	..	..	..	..	..	..
Clerks*	..	..	..	..	..	..	..	..
Medical fees*	..	..	..	..	..	..	..	..
Contingencies*	..	..	..	..	..	..	..	..
Official Visitors	25 4 0	6 6 0	14 14 0	17 17 0	7 7 0	25 4 0	..	96 12 0
Superintendents	700 0 0	700 0 0	700 0 0	260 0 0	455 0 0	700 0 0	737 10 0	4,252 10 0
Assistant Medical Officers	315 0 0	237 2 6	1,005 17 4	..	..	418 1 2	..	1,976 1 0
Visiting Medical Officers	..	..	..	225 0 0	..	..	..	225 0 0
Clerks	394 2 11	432 10 0	454 18 2	..	121 9 5	418 17 5	..	1,821 17 11
Matrons	197 18 4	184 3 4	207 1 8	98 6 8	125 0 0	148 15 0	..	961 5 0
Attendants and servants	9,490 5 0	11,048 14 4	16,353 6 1	3,366 18 1	3,004 5 10	13,984 13 9	3,171 8 3	60,419 11 4
Rations	11,139 6 3	9,186 2 6	10,602 8 3	3,484 15 9	2,525 16 6	10,368 14 7	1,802 18 10	49,110 2 8
Fuel, light, water, and cleaning	2,271 19 1	2,826 7 6	2,936 13 3	115 18 6	441 12 3	2,238 1 1	298 4 2	11,128 15 10
Bedding and clothing	2,474 1 8	2,542 18 0	2,873 5 4	269 2 2	568 1 4	2,585 1 5	236 17 4	11,549 7 3
Surgery and dispensary	136 17 6	123 4 11	278 8 2	1 14 7	74 16 11	199 17 5	7 15 0	822 14 6
Wines, spirits, ale, and porter	12 0 0	5 16 0	2 17 6	1 13 0	..	8 18 6	..	31 5 0
Farm	534 15 4	789 16 9	3,073 8 1	109 7 5	248 2 9	2,340 4 0	1,883 8 11	8,979 3 3
Buildings and repairs	381 9 8	471 15 1	2,515 2 10	3 5 0	627 17 9	527 7 7	154 15 7	4,681 13 6
Necessaries, incidental, and miscellaneous	2,570 6 9	3,661 14 8	5,889 2 6	444 5 6	802 9 0	3,715 12 9	650 14 11	17,734 6 1
Totals	30,643 6 6	32,216 11 7	46,907 3 2	8,398 3 8	9,001 18 9	37,679 8 8	8,943 13 0	178,373 11 6
Repayments, sale of produce, &c.	10,674 16 6	9,919 4 3	14,412 3 8	1,670 9 4	2,077 8 3	12,145 18 3	886 3 5	51,786 3 8
Actual cost	19,968 10 0	22,297 7 4	32,494 19 6	6,727 14 4	6,924 10 6	25,533 10 5	8,057 9 7	126,587 7 10

\* Not included in Table XXI.

TABLE XXI.—AVERAGE COST OF EACH PATIENT PER ANNUM.

Mental Hospital.	Provisions.	Salaries.	Bedding and Clothing.	Light, Fuel, Water, and Cleaning.	Surgery and Dispensary.	Wines, Spirits, Ale, and Porter.	Farm.	Buildings and Repairs.	Necessaries, Incidental, and Miscellaneous.	Total Cost per Patient.	Repayments for Maintenance.	Total Cost per Head, less Receipts of all kinds previous Year.	Total Cost per Head, less Receipts of all kinds previous Year.	Decrease in 1915.	Increase in 1915.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Auckland	11 17 6	11 17 2	2 12 9	2 8 5½	0 2 11	0 0 3	0 11 4½	0 8 1½	2 14 9½	32 13 4½	22 6 6	21 5 9½	19 8 9½	2 16 7½	1 16 11½
Christchurch	13 12 11½	18 14 8½	3 15 6½	4 4 0	0 3 8	0 0 2	1 3 5½	0 14 0½	5 8 9½	47 17 4½	37 12 7½	33 2 7½	35 19 3½	..	..
Dunedin (Seacliff)	10 19 3½	19 7 6	2 19 5	3 0 9	0 5 9	0 0 0½	3 3 6½	2 12 0½	6 1 9½	48 10 1½	36 18 5½	33 12 0½	32 1 2½	..	1 10 10½
Hokitika	14 3 3½	16 2 7½	1 1 10½	0 9 5	0 0 1½	0 0 1½	0 8 10½	0 0 3½	1 16 1½	34 2 9½	28 7 0½	27 6 11	24 0 4½	..	3 6 6½
Nelson	13 1 9	19 4 9½	2 18 10½	2 5 9½	0 7 9	..	1 5 8½	3 5 0½	4 3 1½	46 12 10	36 16 3½	35 17 6½	33 17 1½	..	2 0 5
Porirua	10 18 9	16 11 1½	2 14 6½	2 7 2½	0 4 2½	0 0 2½	2 9 4½	0 11 1½	3 18 4½	39 14 11	28 8 10½	26 18 8	25 7 2½	..	1 11 5½
Tokanui	18 19 6½	41 2 11	2 9 10½	3 2 9½	0 1 7½	..	19 16 6½	1 12 7	6 17 0	94 2 10½	90 16 7½	84 16 3½	81 8 4½	..	3 7 11½
Averages	12 1 11	17 3 7½	2 16 10½	2 14 9½	0 4 1	0 0 1½	1 3 0½	2 4 2½	4 7 4½	42 16 1½	32 8 5½	30 1 0	28 19 5	..	1 1 7

TABLE XXIA.

Including first five items in Table XX	..	..	..	..	..	..	..	..	..	43 18 8½	..	31 3 7	30 4 6½	..	0 19 0½
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TABLE XXIB.

Richmond Home for Feeble-minded Patients on Probation at The Camp	15 6 1	43 3 11	0 17 2½	3 1 11	..	..	1 18 2½	..	5 14 4	70 1 8½	10 16 6	59 5 2½	63 10 10	9 1 6½	..
	14 17 8	37 13 9½	1 10 4½	1 12 6½	0 2 3½	..	2 9 10½	0 2 4½	6 2 5½	64 11 5½	..	..	61 16 11½	..	2 14 5½

Approximate Cost of Paper.—Preparation, not given; printing (900 copies), £17 10s.