

1932.  
NEW ZEALAND.

# MENTAL HOSPITALS OF THE DOMINION

(REPORT ON) FOR 1931.

*Presented to both Houses of the General Assembly pursuant to Section 78 of the Mental Defectives Act, 1911.*

The DIRECTOR-GENERAL to the Hon. J. A. YOUNG, Minister in Charge of the Department of Mental Hospitals.

SIR,—

Wellington, 1st July, 1932.

I have the honour to present the annual report upon the Department of Mental Hospitals for the year ended 31st December, 1931.

At the close of the year there were 7,020 persons on the registers of the mental hospitals of the Dominion, including 47 at Ashburn Hall private licensed institution.

The number of persons actually in residence in Government mental hospitals at the end of the year was 6,451, of whom 6,149 were the subjects of reception orders, and 302 were voluntary boarders, while 522 were out on probation to the care of relatives and friends. The number of those on probation is considerably swelled in December by the temporary exodus of many boarders and patients who spend the Christmas holidays with their own people, but who are unfortunately unable to remain permanently outside an institution.

I regret that no diminution can be reported in the number who require admission to our hospitals, and during the year 1,406 persons were received, 1,063 under a Magistrate's reception order and 343 as voluntary boarders.

Our discharges of patients and boarders totalled 626, or 43·1 per cent. calculated upon the admissions, but this percentage does not unfortunately constitute what might fairly be termed the recovery rate.

Of the 1,063 patients whose mental disorder at the time of admission was so advanced as to necessitate committal by a Magistrate, only 23·23 per cent. were ultimately able to be pronounced recovered, while a further 11·1 per cent. showed sufficient abatement of symptoms to permit of discharge, generally after a period of probation.

In the case of the 343 voluntary boarders who sought admission at an early stage of the disorder when they were still able to co-operate in their treatment, no less than 261, or 70 per cent., were discharged as "recovered." Taking into account all admissions, voluntary and otherwise, our recovery rate was 36·13 per cent., which is about equivalent to that of other countries whose statistics are available for comparison.

## PROGRESSIVE INCREASE IN MENTAL HOSPITAL POPULATION.

Whilst it is satisfactory to learn from the above figures that the results of treatment in our New Zealand institutions do not fall short of those in other comparable countries, it is impossible to view with equanimity the steadily mounting number of patients in our hospitals and their increasing ratio to the general population.

The annual reports of our Department go back in their present form to 1876, in which year there were 783 patients, or a ratio of approximately one registered insane person to 383 of population.

In the intervening years there has been a steadily progressive increase in the number under care at the end of each year, as shown in the subjoined quinquennial table:—

Quinquennium.		Average Annual Increase.	Quinquennium.		Average Annual Increase.
1876-1880	..	79	1906-1910	..	111
1881-1885	..	79	1911-1915	..	111
1886-1890	..	57	1916-1920	..	122
1891-1895	..	83	1921-1925	..	113
1896-1900	..	91	1926-1930	..	239
1901-1905	..	90			

RATIO OF REGISTERED INSANE TO GENERAL POPULATION.

That the number of persons seeking the shelter of our institutions has increased out of all proportion to the growth in the general population is seen from the following table setting forth the position every fifth year over a period of forty years :—

Year.	Number of Patients and Boarders (excluding Maoris) on our Registers.	Estimated Mean Population of New Zealand (excluding Maoris).	Ratio of Registered Patients and Boarders to General Population (excluding Maoris).
1891 .. ..	1,849	629,783	1 : 341
1896 .. ..	2,315	706,434	1 : 305
1901 .. ..	2,773	777,968	1 : 281
1906 .. ..	3,206	895,594	1 : 279
1911 .. ..	3,756	1,014,043	1 : 270
1916 .. ..	4,400	1,099,449	1 : 250
1921 .. ..	4,970	1,223,901	1 : 246
1926 .. ..	5,637	1,352,927	1 : 240
1931 .. ..	6,922	1,444,901	1 : 209

It is necessary to utter a caution against the misinterpretation of these tables. These figures are no indication of the amount of mental disorder occurring in New Zealand—a subject to which I refer later in this report—nor must they form the basis of comparison with other countries whose methods and provisions for dealing with this problem often differ materially from those which obtain here.

What these tables do show is that a progressively larger proportion of our population is being sheltered in our mental hospitals; and, in view of our increasing shortage of accommodation and the relatively expensive kind of care and treatment provided, the question arises as to whether or not the best and most economical use is being made of our mental hospitals.

Prompted by the same considerations which exist now, the late Dr. MacGregor, Inspector-General of Mental Hospitals, wrote in his report for 1895 : “ Our peculiar system of local government has the effect of crowding into our asylums an unusually large number of aged people suffering merely from senile decay, people who would anywhere else find refuge in workhouses and other similar institutions. In fact, the proportion depends upon the issue in each case between the local bodies, who are anxious to relieve the rates, and the General Government officers who try to defend the consolidated revenue.”

As a result of the tendency so deprecated by Dr. MacGregor in 1895 there were in December last over five hundred people in our mental hospitals who were seventy years and upwards in age, and of that number at least 350 do not require the highly organized and expensive form of care provided in the mental hospitals.

These people should not occupy so large a share of our infirmary space, but should be housed in buildings of a much less costly, less complexly constructed type, and looked after by a relatively small proportion of staff. The class I refer to are for all practical purposes the same as that cared for in, say, the Ohiro Home, Wellington, where there are 145 inmates with nine of a staff. The legal machinery for the custodial care of these people already exists in the Rest-homes Act, which, however, is non operative for lack of accommodation.

SHORTAGE OF ACCOMMODATION.

In view of the prevailing financial stringency, it has been our constant aim to keep all departmental expenditure within due limits, and to avoid making unreasonable demands upon the Government for capital outlay. Nevertheless, it is incumbent upon me to point out how increasingly serious the position is becoming in regard to lack of accommodation, and the need for maintaining a steady programme of building.

The discharge-rate is high, and we allow as many patients as possible to be absent on probation—over five hundred were on probation at the end of the year—but our admission-rate continues to rise, and the end of each year sees a substantial and permanent addition to our population.

During the past five years the average annual increase has been 239, which means that even to cope with normal increases we should construct not less than five villas per annum in addition to dealing with the problem of the accumulated surplus.

The following table shows the position in regard to overcrowding at each institution as at 31st December last :—

Institution.	Accommodation provided.	Number of Patients and Boarders resident.	Deficiency of Accommodation.	Surplus Accommodation.
Auckland (with Kingseat) .. ..	1,170	1,314	144	..
Tokanui .. ..	497	573	76	..
Porirua .. ..	1,270	1,447	177	..
Nelson (with Stoke) .. ..	525	492	..	33
Hokitika .. ..	268	278	10	..
Christchurch (with Templeton) .. ..	912	1,105	193	..
Seacliff (with Waitati) .. ..	1,019	1,242	223	..
Total .. ..	5,661	6,451	823	33

The total net deficiency is thus that for 790 patients, or 14 per cent.

A vigorous programme of building was initiated in 1926 and carried out during the years immediately following, when residential accommodation was provided for about eight hundred patients as well as nurses' homes and the replacement of obsolete kitchens and other offices. These provisions have prevented an impossible situation from arising, but, unfortunately, the present financial stringency has unavoidably slowed down building operations, and we are not building quickly enough to meet the needs of our increasing population. Although one new institution is very much needed in the South Island, I realize that any request in this direction would be inopportune, but I must strongly urge that new villas be erected at our Stoke, Hokitika, and Templeton Farm institutions, where we have the land available, and where the conformation of the country will permit of the erection in timber of the relatively inexpensive buildings which we refer to as pioneer units. It is also highly desirable that further villas be built at Kingseat to relieve Auckland.

#### INCREASE IN MENTAL DISORDERS.

The obvious increase in the population of our mental hospitals and the unceasing requests for larger appropriations raise the question as to whether mental disorders are increasing in this country out of proportion to the increase in the general population.

Not only in this country, but also in Great Britain and America, the economic situation has brought to the foreground the increasing burden imposed upon the community by the care of its unfit members, and I have prepared the following table, which gives the proportion of first admissions to the general population, and the ratio per 10,000 of population covering the period 1911–1931 :—

#### *First Admissions, excluding Maoris.*

Year.	Committed Patients.	Voluntary Boarders.	Total.	Mean Population.	Proportion of First Admissions to Population.	Ratio of First Admissions per 10,000.
1911	611	..	..	1,014,043	1,660	6.0
1912	677	23	700	1,039,017	1,484	6.7
1913	648	37	685	1,068,644	1,560	6.4
1914	727	36	763	1,090,328	1,429	6.9
1915	645	32	677	1,099,394	1,624	6.2
1916	719	36	755	1,099,449	1,456	6.9
1917	700	35	735	1,099,117	1,495	6.7
1918	687	61	748	1,103,022	1,475	6.8
1919	735	70	805	1,142,889	1,420	7.0
1920	707	64	771	1,192,620	1,546	6.5
1921	724	78	802	1,223,901	1,526	6.6
1922	680	85	765	1,251,895	1,636	6.1
1923	656	94	750	1,274,551	1,699	5.9
1924	681	82	763	1,298,635	1,702	5.9
1925	739	123	862	1,329,759	1,542	6.5
1926	767	131	898	1,352,927	1,506	6.6
1927	767	140	907	1,374,439	1,515	6.6
1928	798	214	1,012	1,390,684	1,374	7.3
1929	796	165	961	1,406,942	1,464	6.8
1930	918	236	1,154	1,425,067	1,235	8.1
1931	883	264	1,147	1,444,901	1,260	7.9

These figures are the true index of occurring insanity, and they show that during the years quoted there has been a definite, although irregularly progressive, increase in the incidence of mental disorder in New Zealand.

#### ALTERATIONS, IMPROVEMENTS, AND ADDITIONS.

Our capital expenditure on new buildings and additions and improvements during the year was £45,939, and the following summary shows the principal items making up the total, as well as new buildings in progress but not completed by the 31st March :—

#### *Auckland, including Kingseat (£17,054).*

Old residence for Medical Superintendent converted into a residential clinic for women.  
Two villas each for fifty male patients completed, furnished, and occupied.  
Septic tank completed and drainage to two villas installed.

#### *Tokanui (£7,164).*

Nurses' Home completed, furnished, and occupied.

Old quarters for nurses renovated, rearranged, and occupied by male staff, whose previous quarters have been made available for male patients.

*Porirua* (£1,349).

Considerable renovations and completion of electrical change-over to 230 voltage.

*Nelson and Stoke* (£3,339).

Alterations to lavatories "El Nido," and general renovations.  
Completion of reservoir and pipe-line from Poorman's Valley.

*Hokitika* (£8,381).

Contract let for No. 2 villa for forty-eight women, and erection proceeding satisfactorily.  
General renovations and painting.

*Christchurch* (£4,650).

New scullery in main dining-hall completed.  
Villa B completed and occupied.  
Extensive renovations at Christchurch and Hornby.

*Seacliff* (£4,001).

Restoration of workshop store destroyed by fire.  
Renovations and alterations to old kitchen block—almost complete.  
New veranda on female side, Seacliff.  
Extensive general renovations.

## ENGLISH MENTAL TREATMENT ACT, 1930.

In view of past controversy as to the propriety of lessening the legal formalities attendant upon admission to mental hospitals, it is of interest to note that England, in the recently passed Mental Treatment Act, has not only adopted certain provisions already made in New Zealand law, but has gone beyond them in setting aside restrictions which, once necessary in the patients' interests, had become a hindrance to treatment.

(1) In this Act provision has been made for the admission of voluntary boarders to public mental hospitals in the manner carried out in New Zealand since 1911.

(2) Provision has also been made for the admission without certification of persons who are suffering from mental illness of a temporary nature, but who are for the time being incapable of expressing themselves as willing or unwilling to receive such treatment. All that is necessary is an application by a relative accompanied by two medical certificates, and on these documents the patient may be detained for six months. The procedure is very similar to that legalized in our own Mental Defectives Amendment Act, 1928, but whereas we still require a magisterial order to be issued after the patient's admission, the English Act entirely dispenses with this requirement.

## OBITUARY.

It is with regret that I record the death in August last of Dr. Jeffreys, Medical Superintendent of Nelson Mental Hospital.

Dr. Jeffreys had spent twenty-five years in the service of the Department, and at the time of his death was the senior Medical Superintendent. Possessed of a cheerful, kindly, optimistic disposition, Dr. Jeffreys was very popular with patients and staff, and he will be greatly missed.

## APPRECIATION.

The unprecedented financial stringency which New Zealand is at present experiencing has necessarily called for economies in the conduct of the institutions, and it reflects great credit upon the medical and clerical staffs concerned that these economies have been carried out without loss of efficiency.

I desire to express my indebtedness to my colleague, Dr. Russell, the Medical Superintendents, and the other officers of the service for their unfailing loyalty and help at all times.

To Mr. Holder, Chief Clerk of the Department, and the Head Office staff, my thanks are due for work done particularly well during the present difficult times.

I have, &c.,  
THEO. G. GRAY.

## MEDICAL SUPERINTENDENTS' REPORTS.

### AUCKLAND MENTAL HOSPITAL.

Dr. BUCHANAN reports—

I have the honour to present to you my annual report for the year ended 31st December, 1931.

The total number of cases under care during the year has been 1,564, with a weekly average of 1,254. The admissions have numbered 238 (145 males, 93 females). Of this number 187 were admitted for the first time.

Eighty-nine voluntary boarders were admitted during the year, making a total of 176 under care, and of these sixty-nine were discharged.

At the end of the year 141 patients were on probation, 19 on full parole, and 146 on limited parole.

One hundred and one patients were admitted under section 8 of the Mental Defectives Amendment Act.

During the year the general health of the patients has been good, except for an influenzal outbreak in May. This was confined to the male side of the Hospital. Altogether twenty-seven patients were affected. Unfortunately, of this number eleven died from pneumonic complications.

Departmental economy naturally curbed our activities during the year to a considerable extent; consequently few structural changes have been carried out.

The old residence of the Medical Superintendent was turned into a residential clinic, and is now in occupation. Great credit is due to the Matron (Miss M. Mayze) for the work and enthusiasm she put into this transformation. The result is an attractively yet economically furnished villa, which is capable of housing twenty-four patients of either the advanced convalescent type, or for the admission of early border-line cases.

A Dutch barn was erected on the farm, with a holding capacity of 98 tons of hay. Other works of a minor character have been confined to the barest maintenance needs.

The Kingsseat Summer Camp continues in full occupation, and its members are doing a gratifying amount of useful work. The new villas are practically ready for occupation, and will be tenanted early in the new year.

The Psychiatric Clinic again shows an increase in attendance. Latterly it has been necessary to increase the number of the sessions. The total number of consultations was 1,041. There were altogether 340 persons who sought advice and treatment. The relative statistics are the subject of a separate report.

Thanks to the generosity of many clubs and societies, the usual round of patients' entertainments was provided in spite of the present hard times. My sincere thanks are proffered to them all.

I specially wish to put on record my appreciation of the work of Miss Johnston, who along with Mrs. Richmond held classes for girl patients, and trained them in eurythmics and step-dancing. The girls were greatly interested, and the result of Miss Johnston's patience, tact, and training ability was enjoyed by us all at the Christmas-tree entertainment.

The Official Visitors paid regular visits, and have been helpful in matters pertaining to the patients' interests.

Finally, I wish to thank my staff for their help and loyal co-operation during the past year.

### TOKANUI MENTAL HOSPITAL.

Dr. PRINS reports—

I have the honour to submit my annual report for the year ending 31st December, 1931.

The total cases under care during the year has been 648, with a weekly average of 551. The admissions were 85 (40 males, 45 females). Of these, 72 (32 males, 40 females) were admitted for the first time, being an increase of 10 over those of the previous year.

It is disappointing that only 20 patients (6 males and 14 females) were admitted under section 8, the provisions of which cannot be generally known.

The general health of the Hospital has been very good. Deaths have totalled 25 (8 males, 17 females, senile decay being the principal cause).

Discharges numbered 35 (19 males, 16 females), 25 being recoveries (16 males, 9 females). Transfers numbered 8 (7 males, 1 female).

Voluntary boarders treated during the year were 29 (15 males, 14 females), 7 males and 4 females being new admissions. The voluntary boarders discharged numbered 7 (4 males, 3 females).

During the year the new Nurses' Home has been opened, the old nurses' quarters and mess-room being now occupied by attendants, giving more accommodation for male cases.

Further alterations have been made in removing fences and making the front grounds more open and the new recreation-ground will be sown in grass shortly. The swamp in front of the villas has been drained and a start made with a new orchard and vegetable-garden.

Work is proceeding in the alterations in the main kitchen.

Amusements and recreation have been catered for as usual. There have been weekly dances, some concerts, and visits by bands. There have also been tennis, bowling, swimming, and shopping parties and visits to the races. The annual picnic was as usual successful, and much enjoyed. For a time the weekly picture entertainment had to be abandoned as there were no films available, but fortunately a further supply has been secured.

Mr. Battson has often visited the Hospital.

In conclusion, I wish to express my thanks to all members of the staff for their help and co-operation in the work of the Hospital.

## PORIRUA MENTAL HOSPITAL.

Dr. WILLIAMS reports—

I have the honour to present my report for the year 1931.

The total number of cases under care during the year was 1,933. Of these, 1,727 were committed patients and 206 were voluntary boarders.

The number of committed patients on the register on 1st January was 1,458 (855 males and 503 females), and on 31st December there were 1,470 (848 males and 622 females). The number of admissions for the twelve months was 269 (143 males and 126 females), 37 of these were readmissions; 89 patients were discharged recovered, and 14 unrecovered; 53 were transferred, 51 males going to Stoke Mental Hospital. There were 101 deaths; 50 per cent. of these were due to old age. There were 17 deaths within three months of admission, and it is notable that nearly all came from various public hospitals and were in extremely frail health on admission here. Fifty-four patients were admitted under section 8, all being subsequently committed. This number is nearly double that for last year. Two hundred and six voluntary boarders received treatment during the year, a total of 112 entering, 31 of whom were readmissions; 93 were discharged, and 7 committed. The percentage of recoveries was 83·8, compared with 33·1 of committed cases.

Overcrowding continues to be a serious problem, particularly on the male side, but the situation has been considerably eased by the transfer of 51 men to Stoke, while a further 50 are being transferred to Kingseat early in the new year.

A good deal of reorganization and reclassification of patients has been carried out during the year with the object of increasing freedom and parole facilities, and the results have been uniformly satisfactory.

The general health of the patients has been good. There have been no epidemics, and no serious or avoidable accidents.

The main building has been newly painted and with pleasing results; electrical rewiring has been carried out, so that the whole hospital system now carries 230 volts; some new roads have been constructed; and the piggeries have been renovated at a very small cost. Tree-planting has been continued on various portions of the estate, both for beautifying and for utilitarian purposes. A miniature golf-course and a ten-hole full-size course have been laid down; the former particularly seems to be of benefit in creating purpose, interest, and some activity on the part of those apathetic and depressed people whom it is difficult otherwise to stimulate.

The Psychiatric Clinic at Wellington Hospital, to which two afternoons a week are allotted, continues to function usefully. During the twelve months the number of consultations was 1,049, and the number of new patients who came for treatment was 315. All classes of major and minor mental disorders were seen and advised upon; as usual neuroses and minor psychoses formed the bulk of those appearing for the first time. The patients were referred from many sources, and from all parts of the Wellington District. In addition, a number of prisoners were seen on behalf of the Prisons and Justice Departments at Mount Crawford and elsewhere in the Wellington District.

Amusements and recreations have been provided in plenty for all. In addition to the regular cinema evenings and dances, entertainment has been supplied by various persons and societies, principal of whom are the Rev. Harding and the V.U.C. Social Service Club—to all our grateful thanks are due. I have remarked previously how generous the people of the Wellington District are to this Hospital, and even in these difficult times donations of money, toys, fruit, books, &c., are sent us. To the donors I offer my sincere thanks and the assurance that all their gifts are greatly appreciated and put to good use.

My thanks are again due to Mr. L. O. Hooker, whose untiring and generous efforts on behalf of this Hospital have resulted in the formation of a library for the use of all here; it has been very successful and much appreciated. Further wireless sets have been installed. My thanks are due also to the District Inspector (Mr. Treadwell) and to the Official Visitors (Mesdames Fraser and McVicar, and Messrs. Bothamley and Brady), and to visiting clergymen, who have been of much help.

In conclusion, I wish to acknowledge my indebtedness to my colleagues and to the staff generally for the loyal support and co-operation throughout the year.

## NELSON MENTAL HOSPITAL.

Dr. HAYES reports—

I have the honour to submit my report for the year ending 31st December, 1931.

The total number under care during the year was 555 (406 males, 149 females). At the beginning of the year there were 434 patients (307 males, 127 females) and at the end of the year 501 (366 males, 135 females), while the total number admitted was 121 (99 males, 22 females), of which 58 males were transfers, and 1 female a readmission. The number discharged was 14 (9 males, 5 females) of which 10 were recovered. Seven males transferred.

Thirty-one patients died (22 males, 9 females), the principal causes of death being senile decay, heart failure, and epilepsy.

Twenty-three voluntary boarders were under treatment during the year (15 males, 8 females) of which 8 (6 males, 2 females) were admitted for the first time and three were readmissions (1 male, 2 females). Five males and two females were discharged, while one male was committed and one male died. At the end of the year there were 14 voluntary boarders remaining (8 males, 6 females).

No cases were admitted on remand, while 9 males and 10 females were admitted under section 8 and 1 was detained at the beginning of the year. Of these, 18 were committed and two discharged.

Dr. Jeffreys died in August and Dr. Russell took charge until the end of October when I took over. Dr. Macky was transferred to Auckland and was succeeded by Dr. A. L. Sheild. Mr. Campbell was succeeded on transfer by Mr. Menzies as Clerk.

During the year part of Toitoti ward was partitioned off and altered to make a day-room for the older boys and in El Nido the bathroom was altered and improved and a kitchenette constructed. At Nelson the laundry-yard was enlarged and at Stoke a few tubs were installed to cope with woollen washing there. These measures have helped slightly, but laundry facilities for the two hospitals are very inadequate, and a new and larger laundry at Stoke is a necessity.

The accommodation for nurses is inadequate and the enlargement of the rooms at Stoke will have to be considered soon.

In addition to routine work on the farm the internal fences on Yorks property were renovated and new cow-byres were erected in Nelson in place of the old ones destroyed by fire. The milking-plant was altered and improved at Stoke.

Thanks are due to the people of Nelson for their generous donations to the patients' recreation in cash and goods.

The Ministers' Association has conducted services both at Nelson and Stoke.

In conclusion, I wish to thank the staff generally for their work during the year.

#### HOKITIKA MENTAL HOSPITAL.

##### Dr. HART reports—

I have the honour to submit my report for the year ending 31st December, 1931.

On the 1st January, 1931, there were 285 patients on the register. During the year 23 patients were admitted, 5 were discharged, and 1 transferred. The total number under care was 308, and 290 (178 males and 112 females) remained on the register at the close of the year.

At the beginning of the year there were on the register 2 voluntary boarders. Eight were admitted during the year, and of these 4 were discharged, 2 were committed, leaving 4 on the register on 31st December, 1931.

The general health of the patients has been good, deaths numbering only 12 during the year.

Developmental work has continued on the farm, and during the year 9 chains of roads have been constructed and 15 acres of virgin ground cleared, drained, ploughed, and left fallow. To the forestry has been added approximately a thousand red cedars, whilst much work has been done in the nursery raising cedars, *Pinus insignis*, and shrubs for future planting and shelter-belts round the paddocks. Additions have been made to the Matron's cottage and the Hospital garage. The old farm buildings have been demolished, and the new structures occupied.

Fire mains have been carried to Huia, and water-mains to the farm buildings.

Work commenced in the new laundry in April, and with the installation of the necessary pumping-machinery we have now our own water-supply. The latter, as well as being more economical, ensures an adequate supply in case of fire. The fire-station has been reorganized and moved to a better site. It is hoped to have the new female villa ready for occupation in March, 1932.

In February, 1931, a monthly clinic was opened at the Greymouth Hospital, and during the year 47 separate cases were referred for investigation and advice.

The usual bowling and tennis tournaments were held during the year, and the annual picnic to Kokatahi was enjoyed by all.

We are much indebted to many people of Hokitika for their gifts at Christmas time. Thanks are due also to the Municipal Band and church choirs for their frequent visits, and to those who have so willingly given time and talent in arranging concerts and plays for our entertainment.

I regret to have to report the death of Mr. A. Clifton, who as Official Visitor has been associated with the Hospital for twenty-five years. He had always shown the greatest interest in the patients' welfare, and will be greatly missed. The Official Visitors have paid regular visits.

In conclusion, I wish to thank the staff for the good work done during the year.

#### CHRISTCHURCH MENTAL HOSPITAL.

##### Dr. McKILLOP reports—

I have the honour to forward my annual report for the year ending 31st December, 1931.

On the 1st January, 1931, there were 1,051 patients on the register. During the year 275 patients (150 men and 125 women) were admitted, 69 patients were discharged, and 14 were transferred to other institutions. The total number of committed patients under care during the year was 1,326, and 1,169 remained on the 31st December, 1931.

Voluntary boarders received during the year numbered 133, and 54 were discharged, 4 died, and 7 were committed.

The general health of the patients has been very satisfactory. There were 74 deaths (29 men and 45 women), the chief cause of death being senile decay.

Although the new villa completed last year has relieved to a certain extent the congestion on the male side of the institution, we are still overcrowded, more particularly on the female side, where the erection of a villa for old people has become very necessary. The economic situation has been responsible in many instances for the admission of aged and infirm cases who previously had been looked after privately. The problem of finding accommodation for patients suffering from general physiological decay will have to be faced, and it will probably be found more economical to build separate institutions for this class of patient.

The recovery-rate compared with the number of admissions has been less than usual, but this is accounted for by the great percentage of incurable cases admitted—no less than 107 of the 275 admissions being congenitally weakminded.

The Mental Hospital buildings and property have been kept in a satisfactory state of repair by our own artisan staff, and extensive alterations and renovations have been carried out. A large sun-veranda has been completed at the female reception-house, and is now in occupation. A new and up-to-date scullery has been built adjoining the main dining-hall, and alterations to the ventilation of the main kitchen have proved most satisfactory.

The farming returns for the early part of the year were very satisfactory, but the drought experienced during the summer will adversely affect the later returns. During the past year over a thousand fat lambs were sold from the institution farms.

Tryparsamide therapy in cases of general paralysis has been continued, and results have been wonderfully good, particularly with the early cases. Three cases who received treatment over a year ago reported here within the past few weeks. They have kept well since discharge, and have been able to resume their ordinary occupations. In this connection I have again to record my thanks to Professor Hercus and his staff for their assistance.

The recreation of the patients has been arranged on the usual lines: the picture entertainments are greatly enjoyed and your help in having them resumed has been much appreciated.

To the District Inspector (Mr. H. D. Acland), to the Official Visitors (Mrs. Williams and Mr. H. H. Hanna), and to the clergy of all denominations I tender my thanks for their regular visits and for their attention to the patients.

I desire to record my thanks to my colleagues and all members of the staff for their loyal and efficient assistance.

#### SEACLIFF MENTAL HOSPITAL.

Dr. CHILDS reports—

I have the honour to submit my annual report for the year ending 31st December, 1931.

At the beginning of the year there were 1,221 patients on the register. The changes during the period under review were: Admissions, 139; discharges, 47; transfers to other institutions, 2; and deaths, 60; leaving our population 1,251 at the end of the year. Twenty-three of those who died were over seventy years of age.

During the year 31 voluntary boarders were admitted, 21 were discharged, 7 died, and 2 were committed.

A modified building programme has been in progress during the year, but a considerable amount of work of a minor nature has been accomplished. Alterations to the old kitchen block have been proceeded with, and certain portions have been finished. Accommodation has been provided for a Medical Officer, and a number of rooms have been occupied by the domestic staff. When this work is completed it will be a pleasing addition to the main building besides giving further accommodation to the staff. It will also provide a male day-room and a dining-room for the better type of male patient, and a sewing-room for the female patients. This new addition will in some small measure relieve the problem of overcrowding on the male side which at present is acute and gives concern. A new veranda has been added to F. 4 Ward, which allows of patients being nursed in the open air. F. 4 Ward is now used as an admission ward for female patients who cannot be admitted to the cottage, and is a considerable improvement on the ward previously in use for this purpose. The workshop stores and garage which were destroyed by fire have been rebuilt, and accommodation for the Fire Brigade apparatus has been provided. The old boot-house adjoining the male airing-park has been remodelled and converted into a small day-room. This will relieve somewhat the overcrowding which is so apparent on wet days. The old main-service reservoir has been reconditioned and a new roof built on concrete foundations. In addition, other work of a minor nature has been carried out, and a good deal of maintenance work done. The painting gang has done good work during the year, and the institution both inside and out shows a brighter and more cared-for appearance.

The work on the farm has proceeded in the usual efficient way, and the farm at present is looking in very good condition. A considerable amount of fencing has been done, while the usual routine of top-dressing, draining, and roadmaking has been carried out. Attention has also been given to the improvement of the dairy herd and to the breeding of stock generally. The gardens and grounds are in good condition and bear a well-cared-for appearance. Two additional acres of ground have been made into a vegetable-garden to ensure a plentiful supply of vegetables being available for the increasing population.

The weekly clinic at Dunedin and the monthly clinic at Invercargill have been carried out as usual during the year.

Amusements and recreation as usual have taken their part in the Hospital routine, and the reintroduction of the weekly pictures has been much appreciated.

Dr. Tizard retired from the Superintendency of the Orokonui Home in April. Dr. Martin, one of the senior Medical Officers, resigned in November and has returned to England. Dr. Martin proved himself to be a capable, reliable, and efficient Medical Officer during his three years connection with the Hospital, and his departure is regretted. The work of the Medical Officers has been of a high standard, and I would thank them for the able way that they performed their duties throughout the year.

I wish to tender my thanks to the staff for the good work they have done during the year. Each department has worked well and all have made the welfare of the Hospital their concern. I would also thank Mr. Cumming for the evident interest he takes in the welfare of the patients and the Hospital generally. My thanks are also due to the clergy of the different denominations for their regular visits, to the Red Cross Society for supplies of tobacco, and to the various bands and concert parties who provided entertainment.



## STATISTICAL.

The patients on the register at the end of the year numbered 6,661 (m. 3,753, f. 2,908), or 278 (m. 181, f. 97) more than at the beginning; and the daily average under treatment during the year was 6,199 (m. 3,503, f. 2,696), or 267 (m. 161, f. 106) more than in the previous year; while the total under care was 7,446. Patients belonging to the Native race numbered 98 (m. 51, f. 47) at the end of the year.

The admissions numbered 1,063 (m. 587, f. 476), or 32 less than in the previous year. Of these, 157 had been previously under care, making the proportion of readmissions 14·77 per cent., and 906 patients were admitted for the first time.

The ratio to population of all admissions (exclusive of Maoris) was 7·18 (m. 7·77, f. 6·56) to 10,000, and of first admissions 6·11 (m. 6·73, f. 5·46), so that 1,392 persons in the general population contributed one patient, and 1,636 contributed a patient admitted for the first time.

The discharges (excluding transfers) numbered 365, or 17 less than in 1930. 118 (or 2 more) harmless unrecovered persons were returned to the care of friends; and 247 (m. 127, f. 120) recovered—19 less than last year—representing a percentage of 23·37 (m. 21·64, f. 25·21) on the total admitted. With voluntary boarders added the percentage rises to 36·13. Altogether, 44·52 per cent. of the inmates admitted were able to leave institutional care.

Of a total of 7,446 patients under care, 420 (m. 221, f. 199) died, or 6·76 per cent. on the average number resident. An inquest is held in the case of every death, whatever the cause. The causes are detailed in Table XII, and the following is the percentage of causes mainly contributing: Senile decay, 28·12; disease of the brain and nervous system group, 31·25; heart-disease, 28·75; tuberculosis, 7·18.

In Table XIII the principal causes assigned for the mental breakdown in the admissions are stated; but as a matter of fact they are merely approximations, and these, with the small numbers with which we have to deal, show such divergences from year to year that the proportion assigned to any one cause in any one year cannot be assumed to be our average incidence. Causation is always complex, and the most potent factor is the individual. Hereunder the assigned causations in the table referred to are grouped and shown in their relative proportions:—

						Males.	Females.	Total.
Heredity	..	..	..	..	..	8·86	9·03	8·93
Congenital	..	..	..	..	..	21·97	15·12	18·91
Predisposed by previous attack	..	..	..	..	..	10·90	15·75	13·07
Critical periods	..	..	..	..	..	19·42	30·25	24·27
Child-bearing (puerperal, non-septic, and lactation)	..	..	..	..	..	..	2·52	1·13
Mental stress	..	..	..	..	..	19·93	13·65	17·12
Toxic, including—								
Syphilis	..	..	..	5·45	1·47	10·05	2·93	6·86
Alcohol	..	..	..	4·43	0·63			
Drug habit	..	..	..	..	0·21			
Traumatic	..	..	..	..	..	0·34	..	0·19
Disorder of nervous system, including—								
Epilepsy	..	..	..	3·23	2·72	6·80	6·09	6·49
Other bodily affections	..	..	..	..	..	1·19	3·15	2·07
No definite cause assigned	..	..	..	..	..	0·54	1·51	0·96
						100·00	100·00	100·00

## VOLUNTARY BOARDERS.

Year.	First Admission.			Not First Admission.			Total Admissions.			Transferred to Register of Patients.			Died.			Discharged.			Remaining on 31st December.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1912	6	17	23	0	0	0	6	17	23	1	3	4	0	0	0	4	3	7	1	11	12
1913	18	19	37	0	2	2	18	21	39	2	5	7	0	1	1	12	12	24	5	14	19
1914	17	19	36	3	2	5	20	21	41	7	5	12	1	1	2	11	15	26	6	14	20
1915	15	17	32	1	2	3	16	19	35	3	4	7	0	1	1	8	14	22	11	14	25
1916	13	23	36	5	8	13	18	31	49	4	4	8	1	2	3	14	14	28	10	15	25
1917	14	21	35	1	13	14	15	34	49	6	6	12	0	1	1	10	23	33	9	19	28
1918	23	38	61	5	11	16	28	49	77	1	4	5	2	2	4	15	30	45	19	32	51
1919	31	39	70	5	19	24	36	58	94	3	3	6	0	2	2	26	42	68	26	43	69
1920	26	38	64	16	12	28	42	50	92	3	4	7	1	2	3	33	33	66	31	54	85
1921	39	39	78	11	15	26	50	54	104	2	3	5	5	1	6	38	41	79	36	63	99
1922	47	38	85	10	16	26	57	54	111	6	5	11	4	4	8	40	48	88	43	60	103
1923	44	50	94	15	21	36	59	71	130	3	6	9	3	3	6	47	47	94	49	75	124
1924	38	44	82	16	20	36	54	64	118	4	8	12	6	3	9	39	48	87	54	80	134
1925	64	59	123	15	34	49	79	93	172	10	15	25	6	3	9	60	63	123	57	92	149
1926	71	60	131	11	29	40	82	89	171	10	11	21	7	2	9	49	71	120	73	97	170
1927	70	70	140	25	32	57	95	102	197	8	6	14	5	12	17	75	58	133	80	123	203
1928	120	94	214	37	39	76	157	133	290	8	10	18	10	8	18	102	97	199	117	141	258
1929	102	63	165	50	43	93	152	106	258	11	3	14	9	9	18	119	110	229	130	125	255
1930	152	84	236	41	35	76	193	119	312	15	9	24	8	6	14	130	79	209	170	150	320
1931	166	98	264	43	36	79	209	134	343	11	14	25	11	7	18	159	102	261	198	161	359

It will be noted that there were 343 voluntary admissions in the year under review, that 261 were discharged, and that 25 boarders, representing 7·2 per cent. of the admissions, had to be transferred to the register of patients (having shown mental disorder in degree sufficiently pronounced and sustained to render it improper for them to be continued as voluntary boarders), while the proportion of deaths on average number resident was 5·5 per cent. The column devoted to "Not First Admissions" records readmissions on a return of illness in those previously treated to recovery as voluntary boarders. The average daily number of voluntary boarders in 1931 was 327.

### MENTAL NURSES.

In December the usual examination was held for the registration of mental nurses, when the following passed :—

- Auckland : First Grade—Olive May Garwood-Challis. Second Grade—William Callaghan, Geoffrey Leonard Chappell, Alfred Gibson, James Taylor Hamilton, Hugh Hanna, William Joseph Judd, Michael Joseph Lardner, Hannah Margretta Agnes Logan, Daniel Ritchie McGladdery, Mary Agnes Myers, Norah Teresa Myers.
- Tokanui : Second Grade—James Barr Barclay, William James Bruce, Winifred Hazel Clements, Violet May Durie, Frederick Erastus Lehdorf, Joseph Anthony Marquis, Johanna Christine Winifred Simonsen, Thomas Graham Smith, Mary Young.
- Porirua : First Grade—Henry Colin Campbell. Second Grade—Constance Violetta Allcock, Rosina Annie Brown, Jane Chapman, John Fairless Egglestone, Annie Agnes Glengarry, John Emerson Henderson, Athol James Kelly, Christina Margaret McDonald, Rose McGuigan, Ambrose Patrick O'Sullivan, Barbara Nancy Trevor, James Trewick.
- Nelson : First Grade—Grace Gold Phairn. Second Grade—Alma Elizabeth Brown, Catherine Mary Browne, Constance Margaret Annie Davies, Margaret Joyce Desanais, Ellen May Hobday, Doris Mary Walsh, Jane Calder Sinclair, Winifred Fanny Williams.
- Hokitika : Second Grade—Melva Louise Benyon, Dora Amelia Dense, Alice Eleanor Mary Dixon, Leslie Henry Graham, Mary Cecilia Wood.
- Christchurch : First Grade—Mona Teresa Beri, Tui Elliott Croxford. Second Grade—Irene Agnes Daly, Arthur Norman Dalzell, Thomas Charles Richard Dawe, Leslie Randall Gordon, Pattie Rose Hollands, Ellen Rose O'Boyle, Winifred Mary Quinn, Elizabeth Satterthwaite, Jessie Willis Walker, Elinor Mary Webster, James Albert White.
- Seacliff : Second Grade—Maggie Elizabeth Florence Elliott, Rosetta Francis Elliott, Mary Sibley Little, Isabel Cooke Lothian, Gladys Irene Marshall, Thelma Olive Mack, Leah Constance O'Brien, Frederick Joseph Panting, William Hugh Shearer, Hazel Margaret Spratt, Adelina Patricia Thomas, Irene Marian Walter.

Highest marks in written paper : Grace Gold Phairn, Nelson, 84 per cent.

Highest total marks for written, oral, and practical : Tui Elliott Croxford, 265 (Average, 88 per cent.)

APPENDIX.

TABLE I.—SHOWING THE ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS IN MENTAL HOSPITALS DURING THE YEAR 1931.

						M.	F.	T.	M.	F.	T.
In mental hospitals, 1st January, 1931	..	..	..	..	..	508	398	906	3,572	2,811	6,383
Admitted for the first time	..	..	..	..	..	79	78	157	587	476	1,063
Readmitted	..	..	..	..	..						
Total under care during the year	..	..	..	..	..				4,159	3,287	7,446
Discharged and died—											
Recovered	..	..	..	..	..	127	120	247			
Relieved	..	..	..	..	..	29	30	59			
Not improved	..	..	..	..	..	29	30	59			
Died	..	..	..	..	..	221	199	420	406	379	785
(Not including transfers—Males, 90 ; females, 9.)											
Remaining in mental hospitals, 31st December, 1931	..	..	..	..	..				3,753	2,908	6,661
Increase over 31st December, 1930	..	..	..	..	..				181	97	278
Average number resident during the year	..	..	..	..	..				3,503	2,696	6,199

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 1931.

Mental Hospitals.	In Mental Hospitals on 1st January, 1931.			Admissions in 1931.									Total Number of Patients under Care.		
	M.	F.	T.	Admitted for the First Time.			Not First Admission.			Transfers.			M.	F.	T.
Auckland	731	595	1,326	112	75	187	23	16	39	10	2	12	876	688	1,564
Christchurch	529	522	1,051	122	107	229	20	17	37	8	1	9	679	647	1,326
Dunedin (Seacliff)	658	563	1,221	66	36	102	13	18	31	4	2	6	741	619	1,360
Hokitika	176	109	285	12	8	20	2	1	3	..	..	..	190	118	308
Nelson	307	127	434	41	21	62	..	1	1	58	..	58	406	149	555
Porirua	855	603	1,458	121	103	224	16	21	37	6	2	8	998	729	1,727
Tokanui	299	264	563	32	40	72	5	3	8	3	2	5	339	309	648
Ashburn Hall (private mental hospital)	17	28	45	2	8	10	..	1	1	1	..	1	20	37	57
Totals	3,572	2,811	6,383	508	398	906	79	78	157	90	9	99	4,249	3,296	7,545

Mental Hospitals.	Patients discharged, transferred, and died.												In Mental Hospitals on 31st December, 1931.		
	Discharged recovered.			Discharged not recovered.			Transferred.			Died.			Total discharged, transferred, and died.		
Auckland	19	22	41	23	22	45	5	4	9	75	37	112	122	85	207
Christchurch	24	23	47	13	9	22	14	0	14	29	45	74	80	77	157
Dunedin (Seacliff)	11	14	25	9	13	22	2	0	2	30	30	60	52	57	109
Hokitika	5	0	5	..	..	..	1	0	1	6	6	12	12	6	18
Nelson	8	4	12	3	1	4	7	0	7	22	9	31	40	14	54
Porirua	42	47	89	7	7	14	51	2	53	50	51	101	150	107	257
Tokanui	16	9	25	3	7	10	7	1	8	8	17	25	34	34	68
Ashburn Hall (private mental hospital)	2	1	3	0	1	1	3	2	5	1	4	5	6	8	14
Totals	127	120	247	58	60	118	90	9	99	221	199	420	496	388	884

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.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Auckland	703	551	1,254	14.07	24.17	18.14	10.66	6.71	8.93
Christchurch	535	521	1,056	16.90	18.54	17.67	5.42	8.64	7.00
Dunedin (Seacliff)	646	538	1,184	13.92	25.83	18.80	4.64	5.33	4.79
Hokitika	170	104	274	35.71	..	21.73	3.53	5.77	4.37
Nelson	340	130	470	19.51	18.18	19.05	6.47	6.92	6.59
Porirua	803	563	1,366	30.66	37.90	34.10	6.25	11.04	13.52
Tokanui	291	260	551	43.08	20.93	31.25	2.75	6.53	4.54
Ashburn Hall (private mental hospital)	15	29	44	100.00	11.11	30.00	6.66	13.79	11.36
Totals	3,503	2,696	6,199	21.64	25.21	23.23	6.31	7.39	6.76

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 ..	..	..	1	2	6	8	3	0	3	..	..	..	4	0	4	..	..	..	1	0	1	..	..	..	6	6	12
From 5 to 10 years ..	0	1	2	11	4	15	3	0	4	..	..	..	9	1	10	..	..	..	0	2	2	..	..	..	24	6	30
" 10 " 15 " ..	1	1	15	18	6	24	7	3	4	1	0	1	4	3	7	0	2	2	0	2	2	2	0	2	25	17	42
" 15 " 20 " ..	9	6	15	17	13	30	22	5	27	1	1	2	8	3	11	5	10	15	2	6	8	2	0	2	51	41	92
" 20 " 30 " ..	23	14	37	18	23	41	9	8	17	3	0	3	2	2	4	26	22	48	10	9	19	..	..	..	104	77	171
" 30 " 40 " ..	38	16	54	16	15	31	12	11	23	2	1	3	5	4	9	19	24	43	5	8	13	0	1	1	98	94	192
" 40 " 50 " ..	21	20	41	25	19	44	11	10	21	1	3	4	1	4	5	29	28	57	9	5	14	0	4	4	80	87	167
" 50 " 60 " ..	20	16	36	18	20	38	11	5	13	3	3	6	2	3	5	21	24	45	5	8	13	0	3	3	55	33	88
" 60 " 70 " ..	12	8	20	8	7	13	8	4	8	1	0	1	3	1	4	19	7	26	4	4	8	0	1	1	31	29	60
" 70 " 80 " ..	6	7	13	6	7	13	4	8	12	1	1	2	2	1	3	11	4	15	1	0	1	0	1	1	13	7	20
" 80 " 90 " ..	4	1	5	1	2	3	1	1	2	1	0	1	..	..	..	6	2	8	0	1	1	..	..	..	3	2	5
" 90 " 100 " ..	1	1	2	2	1	3	1	1	2	..	..	..	1	0	1	1	1	2	..	..	..	..	..	..	3	2	5
Unknown Transfers ..	10	2	12	8	1	9	4	2	6	..	..	..	58	0	58	6	2	8	3	2	5	1	0	1	90	9	99
Totals ..	145	93	238	150	125	275	83	56	139	14	9	23	99	22	121	143	126	269	40	45	85	3	9	12	677	485	1,162

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)	65	37	102	44	29	73	26	10	36	4	3	7	2	7	9	84	68	152	20	22	42	2	6	8	247	182	429
Second class (first attack above 3 months and within 12 months on admission)	3	7	10	8	11	19	7	5	12	1	2	3	4	3	7	9	11	20	4	5	9	0	1	1	36	45	81
Third class (not first attack, and within 12 months on admission)	19	20	39	19	24	43	7	6	13	4	3	7	3	5	8	20	28	48	9	7	16	0	1	1	81	94	175
Fourth class (first attack or not, but of more than 12 months on admission)	29	23	52	71	60	131	39	33	72	5	1	6	32	7	39	24	17	41	4	9	13	0	1	1	204	151	355
Unknown Transfers ..	19	4	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19	4	23
Totals ..	145	93	238	150	125	275	83	56	139	14	9	23	99	22	121	143	126	269	40	45	85	3	9	12	677	485	1,162

TABLE V.—AGES OF PATIENTS DISCHARGED “RECOVERED” AND “NOT RECOVERED” DURING THE YEAR 1931.

Ages.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.																												
	Re-covered.		Not re-covered.	Re-covered.		Not re-covered.	Re-covered.		Not re-covered.	Re-covered.		Not re-covered.	Re-covered.		Not re-covered.	Re-covered.		Not re-covered.	Re-covered.		Not re-covered.	Re-covered.		Not re-covered.																													
	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	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
From 5 to 10 years	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
10 " 15 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
15 " 20 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
20 " 30 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
30 " 40 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
40 " 50 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
50 " 60 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
60 " 70 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
70 " 80 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
80 " 90 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
90 " 100 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
Transfers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..																													
Totals	19	22	41	28	26	54	24	23	47	27	9	36	11	14	25	11	13	24	5	0	5	1	0	1	6	4	10	12	1	13	42	47	89	58	9	67	16	9	25	10	8	18	2	1	3	3	6	125	120	245	150	69	219

TABLE VI.—AGES OF PATIENTS WHO DIED.

Ages.	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 5 years	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
From 5 to 10 years	0	1	1	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10 " 15 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15 " 20 "	2	1	3	0	3	3	1	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20 " 30 "	4	5	9	1	1	2	3	0	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30 " 40 "	8	2	10	0	2	2	1	3	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
40 " 50 "	10	5	15	3	9	12	3	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
50 " 60 "	14	8	22	6	7	13	5	6	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
60 " 70 "	18	6	20	6	8	14	7	7	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
70 " 80 "	12	5	17	11	13	24	8	7	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
80 " 90 "	6	7	13	2	0	2	2	4	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
90 " 100 "	..	..	..	0	1	1	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals..	75	37	112	29	45	74	30	30	60	6	6	12	22	9	31	50	51	101	8	17	25	1	4	5	221	199	420

TABLE VII.—CONDITION AS TO MARRIAGE.

						Admissions.			Discharged.			Deaths.		
						M.	F.	T.	M.	F.	T.	M.	F.	T.
AUCKLAND—						86	39	125	25	12	37	45	21	66
Single ..	..	..	..	..	..	40	41	81	16	24	40	21	8	29
Married ..	..	..	..	..	..	7	10	17	1	8	9	5	8	13
Widowed ..	..	..	..	..	..	2	1	3	..	..	..	4	0	4
Unknown ..	..	..	..	..	..	10	2	12	5	4	9	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	145	93	238	47	48	95	75	37	112
CHRISTCHURCH—						95	77	172	23	19	42	11	23	34
Single ..	..	..	..	..	..	40	31	71	13	11	24	15	17	32
Married ..	..	..	..	..	..	7	16	23	1	2	3	3	5	8
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	8	1	9	14	0	14	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	150	125	275	51	32	83	29	45	74
DUNEDIN (SEACLIFF)—						55	24	79	15	9	24	21	10	31
Single ..	..	..	..	..	..	21	19	40	5	15	20	5	12	17
Married ..	..	..	..	..	..	3	11	14	0	3	3	4	8	12
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	4	2	6	2	0	2	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	83	56	139	22	27	49	30	30	60
HOKITIKA—						11	2	13	2	0	2	4	4	8
Single ..	..	..	..	..	..	2	7	9	3	0	3	2	1	3
Married ..	..	..	..	..	..	1	0	1	..	..	..	0	1	1
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	..	..	..	1	0	1	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	14	9	23	6	0	6	6	6	12
NELSON—						31	13	44	6	2	8	15	5	20
Single ..	..	..	..	..	..	8	7	15	5	3	8	6	2	8
Married ..	..	..	..	..	..	1	2	3	..	..	..	0	1	1
Widowed ..	..	..	..	..	..	1	0	1	..	..	..	1	1	2
Unknown ..	..	..	..	..	..	58	0	58	7	0	7	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	99	22	121	18	5	23	22	9	31
PORIRUA—						66	50	116	29	21	50	20	12	32
Single ..	..	..	..	..	..	55	57	112	20	28	48	24	22	46
Married ..	..	..	..	..	..	16	17	33	0	5	5	6	17	23
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	6	2	8	51	2	53	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	143	126	269	100	56	156	50	51	101
TOKANUI—						22	13	35	11	4	15	3	5	8
Single ..	..	..	..	..	..	13	23	36	7	12	19	4	8	12
Married ..	..	..	..	..	..	2	7	9	1	0	1	1	4	5
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	3	2	5	7	1	8	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	40	45	85	26	17	43	8	17	25
ASHBURN HALL—						2	6	8	2	2	4	1	0	1
Single ..	..	..	..	..	..	0	1	1	..	..	..	..	..	..
Married ..	..	..	..	..	..	0	2	2	..	..	..	0	4	4
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	1	0	1	3	2	5	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	3	9	12	5	4	9	1	4	5
TOTALS—						368	224	592	113	69	182	120	80	200
Single ..	..	..	..	..	..	179	186	365	69	93	162	77	70	147
Married ..	..	..	..	..	..	37	65	102	3	18	21	19	48	67
Widowed ..	..	..	..	..	..	3	1	4	..	..	..	5	1	6
Unknown ..	..	..	..	..	..	90	9	99	90	9	99	..	..	..
Transfers ..	..	..	..	..	..									
Totals ..	..	..	..	..	..	677	485	1,162	275	189	464	221	199	420

TABLE VIII.—NATIVE COUNTRIES.

Countries.		Auckland.			Christchurch.			Dunedin (Seaciff).			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.			
England and Wales	..	122	92	214	73	71	144	83	50	133	39	13	52	26	13	39	162	93	255	60	36	96	3	3	6	M.	F.	T.
Scotland	..	30	11	41	27	18	45	53	40	93	6	2	8	20	6	26	18	6	24	21	18	6	2	1	3	197	113	310
Ireland	..	51	39	90	27	26	53	36	38	74	17	8	25	13	3	16	51	39	90	21	22	43	1	0	1	217	175	392
New Zealand	..	395	370	765	455	426	881	476	391	867	86	74	160	275	99	374	488	406	894	163	183	346	7	23	30	2,345	1,972	4,317
Australian States	..	40	28	68	10	14	24	16	26	42	10	5	15	7	6	13	36	19	55	13	11	24	1	2	3	133	111	244
France	..	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1	1	2	0	2	..	..	..	2	2	4
Germany	..	3	1	4	1	1	2	3	0	3	1	0	1	1	0	1	4	2	6	3	1	4	..	..	..	16	5	21
Austria	..	33	5	38	0	2	2	1	0	1	1	0	1	2	0	2	4	0	4	4	0	4	..	..	..	40	7	47
Norway	..	3	0	3	..	..	..	..	..	..	1	0	1	..	..	..	3	0	3	2	0	2	..	..	..	9	0	9
Sweden	..	2	2	4	2	0	2	3	0	3	2	0	2	1	0	1	4	1	5	0	1	1	..	..	..	14	4	18
Denmark	..	1	0	1	1	0	1	1	1	2	2	0	2	1	0	1	5	2	7	2	0	2	..	..	..	13	3	16
Italy	..	2	1	3	1	1	2	1	0	1	2	0	2	0	1	1	3	2	5	1	0	1	..	..	..	9	4	13
China	..	1	0	1	..	..	..	2	0	2	1	0	1	..	..	..	4	2	6	..	..	..	..	..	..	8	2	10
Maoris	..	20	23	43	1	2	3	..	..	..	1	0	1	5	1	6	20	10	30	4	11	15	..	..	..	51	47	98
Other countries	..	26	12	38	2	10	12	6	6	12	6	0	6	2	1	3	27	16	43	12	4	16	..	..	..	81	49	130
Unknown	..	25	18	43	..	..	..	8	10	18	4	10	14	13	5	18	..	..	..	..	..	..	..	..	..	50	43	93
Totals	..	754	603	1,357	599	570	1,169	689	562	1,251	178	112	290	366	135	501	848	622	1,470	305	275	580	14	29	43	3,753	2,908	6,661

TABLE IX.—AGES OF PATIENTS ON 31ST DECEMBER, 1931.

Ages.	Auckland.			Christchurch.			Dunedin (Seaclyff).			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.	
From 1 to 5 years	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
" 5 " 10 "	0	2	2	6	7	13	8	2	10	3	10	0	10	2	2	4	2	2	4	3	2	5	3	2	5
" 10 " 15 "	2	4	6	58	35	93	5	5	10	3	32	1	33	0	5	5	7	18	25	1	2	3	1	2	3
" 15 " 20 "	25	17	42	45	32	77	26	13	39	7	47	5	52	22	30	52	10	10	20	10	10	20	10	10	20
" 20 " 30 "	80	67	147	82	55	137	111	31	142	11	67	9	76	110	70	180	29	31	60	35	48	83	63	1	4
" 30 " 40 "	164	108	272	105	75	180	118	92	210	17	41	17	58	159	105	264	35	48	83	69	69	138	2	10	12
" 40 " 50 "	160	126	286	122	126	248	146	130	276	55	27	82	34	21	55	221	160	381	69	69	138	2	10	12	
" 50 " 60 "	157	137	294	82	122	204	131	141	272	38	33	71	46	18	64	174	113	287	83	60	143	1	6	7	
" 60 " 70 "	87	76	163	40	77	117	86	98	184	37	13	50	37	27	64	92	74	166	49	38	87	4	7	11	
" 70 " 80 "	49	47	96	32	23	55	41	35	76	7	4	11	14	12	26	45	34	79	17	11	28	4	4	7	
" 80 " 90 "	13	6	19	3	5	8	7	10	17	4	1	5	3	5	8	14	10	24	3	0	3	1	1	2	
Upwards of 90 years	1	0	1	2	1	3	1	0	1	0	1	..	..	..	..	2	1	3	6	4	10	6	3	9	
Unknown ..	16	13	29	..	..	..	8	3	11	5	5	4	9	5	1	..	..	..	6	4	10	40	25	65	
Totals ..	754	603	1,357	599	570	1,169	689	562	1,251	178	112	290	366	135	501	848	622	1,470	305	275	580	14	29	43	3,753 2,908 6,661

TABLE X.—LENGTH OF RESIDENCE OF PATIENTS WHO DIED DURING 1931.

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	3	7	3	8	11	4	3	7	..	..	..	4	0	4	2	7	9	1	2	3	..	..	..	18	23	41
From 1 to 3 months ..	4	3	7	2	1	3	1	3	4	..	..	..	0	1	1	9	8	17	0	1	1	0	..	..	16	17	33
" 3 " 6 " ..	4	2	6	6	4	10	3	2	5	1	1	2	2	0	2	4	4	8	..	..	..	0	1	1	20	16	36
" 6 " 9 " ..	2	2	4	2	2	4	1	1	2	..	..	..	2	0	2	6	2	8	..	..	..	..	..	..	13	7	20
" 9 " 12 " ..	2	2	4	3	1	4	0	1	1	..	..	..	1	0	1	2	0	2	..	..	..	..	..	..	8	4	12
" 1 " 2 years ..	1	3	4	3	6	9	2	2	4	1	0	1	3	0	3	5	4	9	1	0	1	..	..	..	16	15	31
" 2 " 3 " ..	..	..	..	0	2	2	0	1	1	1	0	1	..	..	..	5	3	8	2	3	5	..	..	..	8	9	17
" 3 " 5 " ..	8	4	12	3	5	8	3	3	5	..	..	..	3	0	1	1	8	9	1	1	2	0	1	1	19	21	40
" 5 " 7 " ..	5	0	5	3	3	6	2	0	2	..	..	..	1	0	1	2	2	4	..	..	..	..	..	..	12	9	21
" 7 " 10 " ..	4	0	3	..	..	..	0	2	2	..	..	..	2	2	4	2	2	4	0	2	2	0	1	1	8	12	20
" 10 " 12 " ..	1	1	2	..	..	2	1	1	2	0	1	1	2	0	2	0	1	1	0	1	1	..	..	..	4	5	9
" 12 " 15 " ..	6	2	8	0	2	2	1	1	2	1	2	3	..	..	..	0	3	3	..	..	..	1	0	1	9	10	19
Over 15 years ..	31	7	38	3	11	14	11	7	18	2	2	4	2	5	7	8	5	13	0	5	5	0	1	1	57	43	100
Died while absent on trial ..	3	5	8	1	0	1	1	1	2	..	..	..	0	1	1	5	1	6	3	0	3	..	..	..	13	8	21
Totals ..	75	37	112	29	45	74	30	30	60	6	6	12	22	9	31	50	51	101	8	17	25	1	4	5	221	199	420

TABLE XI.—LENGTH OF RESIDENCE OF PATIENTS DISCHARGED "RECOVERED" DURING 1931.

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 ..	1	1	2	..	..	4	1	1	2	1	0	1	3	0	3	1	0	1	1	0	1	1	0	1	8	1	9
From 1 to 3 months ..	3	1	4	5	6	11	1	1	3	1	1	1	1	0	1	3	4	7	7	3	10	..	..	..	19	10	29
" 3 " 6 " ..	3	2	5	3	5	8	3	1	4	..	..	..	0	1	1	11	5	16	2	2	4	..	..	..	22	18	40
" 6 " 9 " ..	5	3	8	4	2	6	2	1	3	1	0	1	2	1	3	7	10	17	1	2	3	..	..	..	22	22	44
" 9 " 12 " ..	4	7	11	6	7	13	3	6	9	2	0	2	..	..	..	3	5	8	0	1	1	1	0	1	14	16	30
" 1 " 2 years ..	3	5	8	1	1	2	0	1	1	..	..	..	1	0	1	1	4	5	3	0	3	0	1	1	26	29	55
" 2 " 3 " ..	..	..	..	1	1	2	0	1	1	..	..	..	..	..	2	2	5	7	1	0	1	..	..	..	3	6	9
" 3 " 5 " ..	0	2	2	1	0	1	0	1	1	..	..	..	1	1	2	2	3	7	1	0	1	..	..	..	3	9	14
" 5 " 7 " ..	0	1	1	0	1	1	0	1	1	..	..	..	0	1	1	2	0	3	0	1	1	..	..	..	2	8	10
" 7 " 10 " ..	..	..	..	1	0	1	..	..	..	..	..	..	..	..	..	1	1	2	..	..	..	..	..	..	3	0	3
" 10 " 12 " ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..	..	..	..	..	..	1	1	2
" 12 " 15 " ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	0	2
Over 15 years ..	..	..	..	..	..	..	1	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	19	22	41	24	23	47	11	14	25	5	0	5	8	4	12	42	47	89	16	9	25	2	1	3	127	120	247



TABLE XII.—CAUSES OF DEATH, 1931.

Causes.	Auckland.	Christchurch.	Dunedin (Seafiff).	Hokitika.	Nelson.	Porirua.	Tokanui.	Ashburn Hall (Private Men- tal Hospital).	Total.
I GENERAL DISEASES.									
Tuberculosis—	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
General .. .. .	.. ..	0 1	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	1 1
Of lungs .. .. .	7 6	0 1	2 0	.. ..	0 3	0 2	.. ..	.. ..	9 12
Cancer .. .. .	2 2	1 0	1 2	3 1	.. ..	2 0	0 1	1 1	10 7
Diabetes .. .. .	.. ..	0 1	1 0	.. ..	.. ..	1 0	0 1	0 1	2 3
Cellulitis .. .. .	0 1	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	1 1
Toxæmia .. .. .	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Typhoid fever .. ..	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	0 1	0 1	0 3
Pernicious anæmia .. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Influenza .. .. .	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	1 0
II DISEASES OF THE NERVOUS SYSTEM.									
Mania, exhaustion from ..	0 1	.. ..	.. ..	.. ..	.. ..	1 4	0 1	.. ..	1 6
Melancholia, exhaustion from ..	1 0	0 1	.. ..	.. ..	.. ..	2 5	.. ..	.. ..	3 6
Confusional insanity, exhaustion from	0 1	.. ..	.. ..	.. ..	0 1	.. ..	0 2	.. ..	0 4
General paralysis of insane ..	8 0	8 2	0 1	.. ..	1 0	8 3	0 1	.. ..	25 7
Tabo-paresis .. .. .	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Organic brain-disease .. ..	.. ..	.. ..	0 1	.. ..	1 0	0 1	.. ..	.. ..	1 2
Epilepsy .. .. .	5 2	0 4	3 2	.. ..	6 0	2 1	1 1	.. ..	17 10
Cerebral hæmorrhage .. ..	0 1	2 3	4 2	.. ..	.. ..	1 1	.. ..	.. ..	7 7
Cerebral thrombosis .. ..	.. ..	.. ..	.. ..	0 2	.. ..	1 0	.. ..	.. ..	1 2
III. DISEASES OF THE RESPIRATORY SYSTEM.									
Pneumonia .. .. .	16 2	2 2	.. ..	.. ..	1 1	4 4	.. ..	0 1	23 10
Bronchitis .. .. .	6 0	.. ..	0 1	.. ..	.. ..	3 3	0 1	.. ..	9 5
IV. DISEASES OF THE CIRCULATORY SYSTEM.									
Heart-disease .. .. .	7 2	3 8	6 9	1 1	5 1	13 15	0 2	.. ..	35 38
Arterio-sclerosis .. .. .	10 4	0 1	.. ..	.. ..	.. ..	2 2	.. ..	.. ..	12 7
V. DISEASES OF THE DIGESTIVE SYSTEM.									
Colitis .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	1 0
Enteritis .. .. .	.. ..	.. ..	.. ..	.. ..	2 0	.. ..	.. ..	.. ..	2 0
VI. DISEASES OF THE GENITO-URINARY SYSTEM.									
Nephritis .. .. .	2 2	0 1	0 3	0 1	.. ..	.. ..	.. ..	.. ..	2 7
Cystitis .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	1 0
Uraemia .. .. .	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
VII. OLD AGE.									
Senile decay .. .. .	7 8	12 18	8 7	2 1	4 2	3 9	4 5	.. ..	40 50
VIII. EXTERNAL CAUSES.									
Asphyxia .. .. .	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Suicide .. .. .	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
Exposure .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	0 1
IX. DIED WHILE ON TRIAL ..	3 5	1 0	0 2	.. ..	0 1	5 1	3 0	.. ..	12 9
Totals .. .. .	75 37	29 45	30 30	6 6	22 9	50 51	8 17	1 4	221 199

TABLE XIII.—PRINCIPAL ASSIGNED CAUSES OF INSANITY, 1931.

Causes.	Auckland.		Christchurch.		Dunedin (Seacliff)		Hokitika.		Nelson.		Porirua.		Tokanui.		Ashburn Hall (P.M.H.).		Total.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Heredity .. ..	8	11	11	12	10	5	3	0	..	..	18	6	1	5	1	4	52	43
Congenital .. ..	18	12	48	34	22	5	3	1	27	7	6	8	5	5	..	..	129	72
Previous attack ..	16	13	12	12	14	17	2	2	4	5	15	22	1	2	0	2	64	75
Puberty or adolescence ..	6	3	18	10	2	2	..	..	1	0	6	9	3	3	1	0	37	27
Climacteric .. ..	0	8	0	23	..	..	0	1	0	2	0	13	0	3	..	..	0	50
Senility .. ..	10	10	15	18	10	11	3	1	3	2	29	12	4	3	0	1	74	58
Involution .. ..	..	..	..	..	0	1	0	1	2	1	1	0	0	6	..	..	3	9
Puerperal .. ..	0	2	0	4	0	1	..	..	..	..	0	4	..	..	0	1	0	12
Mental stress.. ..	45	17	15	5	11	1	2	2	0	1	33	32	11	6	0	1	117	65
Alcohol .. ..	8	1	7	0	2	0	..	..	1	0	4	2	4	0	..	..	26	3
Syphilis .. ..	9	1	11	2	1	1	..	..	..	..	10	2	1	1	..	..	32	7
Cerebral hæmorrhage ..	..	..	..	..	3	0	..	..	..	..	1	1	..	..	..	..	4	1
Arterio-sclerosis ..	8	5	..	..	..	..	..	..	1	0	5	3	1	4	..	..	15	12
Organic brain-disease ..	..	..	..	..	0	1	..	..	1	0	..	..	..	..	..	..	1	1
Post-operative .. ..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	1	2
Traumatic .. ..	2	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	0
Epilepsy .. ..	4	4	5	4	3	2	..	..	1	0	4	3	2	0	..	..	19	13
Encephalitis .. ..	0	1	..	..	..	..	..	..	..	..	0	1	..	..	..	..	0	2
Huntingdon's chorea ..	..	..	..	..	..	..	..	..	..	..	1	0	..	..	..	..	1	0
Phthisis .. ..	..	..	..	..	1	0	..	..	..	..	..	..	..	..	..	..	1	0
Ill health .. ..	0	1	..	..	0	3	1	0	0	3	1	3	4	3	..	..	6	13
Goitre .. ..	..	..	..	..	..	..	0	1	0	1	..	..	..	..	..	..	0	2
Toxic .. ..	..	..	..	..	..	..	..	..	..	..	1	1	0	2	..	..	1	3
Drug habit .. ..	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	1
Privation .. ..	..	..	..	..	..	..	..	..	..	..	1	0	..	..	..	..	1	0
Unknown .. ..	1	1	..	..	0	4	..	..	..	..	..	..	..	..	..	..	1	5
Transfers .. ..	10	2	8	1	4	2	..	..	58	0	6	2	3	2	1	0	90	9
Totals .. ..	145	93	150	125	83	56	14	9	99	22	143	126	40	45	3	9	677	485



TABLE XV.—SHOWING THE ADMISSIONS, DISCHARGES, AND DEATHS, WITH THE MEAN ANNUAL MORTALITY AND PROPORTION OF RECOVERIES PER CENT. OF THE ADMISSIONS, FOR EACH YEAR SINCE 1ST JANUARY, 1876.

Year.	Admitted.			Discharged.			Not Improved.			Died.		Remaining, 31st December in each Year.			Average Numbers resident.			Percentage of Recoveries on Admissions.			Percentage of Deaths on Average Numbers resident.			
M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1875	221	117	338	17	8	25	36	12	48	482	254	736	491	257	748	54.53	66.01	57.56	8.21	3.58	6.70	...	...	...
1876	250	112	362	20	5	25	42	21	63	519	264	783	541	277	818	49.20	50.80	49.72	7.76	7.58	7.70	...	...	...
1877	247	131	378	14	4	28	51	17	68	638	319	957	601	303	904	48.98	51.90	50.00	8.48	4.74	7.52	...	...	...
1878	248	151	399	112	76	188	55	16	71	695	361	1,056	666	337	1,003	45.16	50.33	47.11	8.25	4.74	7.07	...	...	...
1879	229	149	378	100	67	167	54	20	74	729	396	1,175	703	371	1,074	43.66	44.96	44.17	7.68	5.39	6.89	...	...	...
1880	232	127	359	93	65	158	41	36	77	769	406	1,175	747	388	1,135	40.08	51.10	44.01	6.29	3.60	5.55	...	...	...
1881	267	152	419	95	59	154	60	19	79	827	442	1,269	796	421	1,217	35.58	38.81	36.75	7.53	4.51	6.49	...	...	...
1882	255	166	421	102	78	180	68	24	92	938	514	1,452	911	497	1,408	37.39	50.32	42.75	7.55	3.78	6.21	...	...	...
1883	238	153	391	89	77	166	73	22	95	981	542	1,523	965	528	1,493	38.62	57.14	45.12	7.46	4.82	6.36	...	...	...
1884	246	133	379	95	76	171	70	19	76	1,009	604	1,613	984	559	1,543	47.82	36.36	42.74	5.79	3.39	4.91	...	...	...
1885	207	165	372	99	60	159	57	19	76	1,053	643	1,696	1,034	613	1,647	40.39	48.75	43.61	7.15	4.40	6.13	...	...	...
1886	255	161	416	103	78	181	74	27	101	1,041	640	1,681	1,045	641	1,686	53.95	63.01	57.62	7.56	4.05	6.16	...	...	...
1887	215	146	361	92	34	126	78	26	104	1,074	687	1,761	1,046	660	1,707	40.43	32.92	37.34	6.69	4.54	5.86	...	...	...
1888	230	161	391	93	53	146	70	30	100	1,095	702	1,797	1,078	685	1,763	42.61	55.00	47.69	7.05	5.11	6.29	...	...	...
1889	230	160	390	98	88	186	76	35	111	1,115	734	1,849	1,089	699	1,789	37.61	43.27	40.00	7.25	5.86	6.71	...	...	...
1890	234	171	405	88	74	162	79	34	120	1,154	763	1,917	1,125	714	1,839	38.53	48.10	42.42	6.58	4.76	5.87	...	...	...
1891	231	158	389	89	76	165	74	34	108	1,229	810	2,039	1,172	758	1,930	35.94	49.72	41.30	6.66	3.03	5.23	...	...	...
1892	281	179	460	101	89	190	78	23	101	1,308	860	2,168	1,241	812	2,053	39.63	43.13	41.03	5.16	4.31	4.82	...	...	...
1893	270	176	446	107	76	183	88	64	148	1,329	885	2,214	1,313	849	2,162	41.67	46.66	43.64	7.69	4.94	6.61	...	...	...
1894	252	165	417	105	77	182	86	32	118	1,390	925	2,315	1,347	882	2,229	37.41	44.02	39.13	6.38	3.63	5.29	...	...	...
1895	278	159	437	104	70	174	99	46	145	1,440	990	2,430	1,411	944	2,355	35.92	37.82	36.69	7.44	4.55	6.28	...	...	...
1896	284	193	477	102	73	175	105	43	148	1,472	1,008	2,480	1,438	973	2,411	44.88	51.89	48.07	6.12	6.17	6.14	...	...	...
1897	254	212	466	114	110	224	114	43	157	1,512	1,045	2,557	1,487	1,004	2,491	33.98	49.49	40.83	7.67	4.28	6.30	...	...	...
1898	259	199	458	88	99	187	115	46	145	1,512	1,045	2,557	1,487	1,004	2,491	33.98	49.49	40.83	7.67	4.28	6.30	...	...	...
1899	300	202	502	103	96	199	114	43	157	1,581	1,091	2,672	1,534	944	2,355	35.92	37.82	36.69	7.44	4.55	6.28	...	...	...
1900	320	223	543	125	104	229	120	55	175	1,654	1,119	2,773	1,622	1,094	2,716	39.06	46.64	43.17	6.29	6.38	6.41	...	...	...
1901	352	192	544	135	99	234	120	55	175	1,654	1,119	2,773	1,622	1,094	2,716	39.06	46.64	43.17	6.29	6.38	6.41	...	...	...
1902	355	226	581	144	101	245	129	44	173	1,771	1,188	2,848	1,671	1,114	2,785	38.35	51.56	43.01	7.18	4.94	6.28	...	...	...
1903	332	236	568	157	106	263	120	70	190	1,771	1,188	2,959	1,741	1,160	2,901	40.56	44.69	42.17	7.41	3.79	5.96	...	...	...
1904	380	251	611	149	121	270	147	67	214	1,836	1,276	3,112	1,796	1,232	3,028	41.39	48.21	44.19	8.18	5.44	7.07	...	...	...
1905	360	251	611	149	121	270	147	67	214	1,836	1,276	3,112	1,796	1,232	3,028	41.39	48.21	44.19	8.18	5.44	7.07	...	...	...
1906	395	264	659	160	139	299	168	85	231	1,909	1,331	3,240	1,823	1,265	3,088	39.75	47.73	42.94	8.01	6.71	7.48	...	...	...
1907	359	241	600	160	139	299	168	85	231	1,909	1,331	3,240	1,823	1,265	3,088	39.75	47.73	42.94	8.01	6.71	7.48	...	...	...
1908	426	318	744	180	146	326	186	97	283	2,160	1,466	3,648	1,823	1,265	3,088	44.29	57.68	49.84	9.08	4.98	7.39	...	...	...
1909	419	297	716	179	139	318	186	97	283	2,160	1,466	3,648	1,823	1,265	3,088	44.29	57.68	49.84	9.08	4.98	7.39	...	...	...
1910	474	314	788	182	145	327	193	105	303	2,220	1,533	3,756	2,105	1,496	3,601	36.38	53.00	43.27	9.41	7.02	8.41	...	...	...
1911	448	317	765	163	168	331	193	87	280	2,083	1,465	3,648	1,970	1,404	3,240	42.72	57.24	43.74	6.90	4.84	6.00	...	...	...
1912	458	381	839	184	161	331	193	87	280	2,220	1,533	3,756	2,105	1,496	3,601	36.38	53.00	43.27	9.41	7.02	8.41	...	...	...
1913	466	318	784	175	162	337	193	88	281	2,332	1,632	3,964	2,252	1,597	3,849	37.55	50.94	42.98	8.70	6.96	7.98	...	...	...
1914	509	359	868	207	162	369	193	88	281	2,408	1,703	4,111	2,309	1,641	3,950	40.67	45.12	42.51	8.36	5.36	7.11	...	...	...
1915	450	361	811	202	157	359	172	112	284	2,448	1,752	4,200	2,391	1,703	4,094	44.89	43.21	44.88	7.19	6.58	6.94	...	...	...
1916	518	361	879	160	171	331	209	80	289	2,555	1,820	4,375	2,483	1,768	4,251	30.89	47.37	37.66	8.42	4.52	6.80	...	...	...

1917	..	470	374	844	171	152	323	32	20	52	6	5	11	205	113	318	2,611	1,904	4,515	2,543	1,825	4,368	36.38	40.64	38.27	8.06	6.19	7.28
1918	..	437	402	839	142	141	283	17	36	53	12	12	24	274	174	448	2,603	1,943	4,546	2,602	1,899	4,501	32.49	35.07	33.73	10.53	9.16	9.95
1919	..	512	371	883	190	147	337	37	44	81	9	13	22	212	130	342	2,607	1,980	4,647	2,620	1,907	4,527	37.11	39.62	38.17	8.09	6.82	7.55
1920	..	455	418	873	162	148	310	27	37	64	6	10	16	210	166	376	2,717	2,037	4,754	2,674	1,980	4,654	35.63	35.32	35.51	7.85	8.40	8.08
1921	..	479	402	881	178	193	371	30	21	51	15	9	24	201	117	318	2,772	2,099	4,871	2,723	2,031	4,754	37.23	47.88	42.11	7.38	5.76	6.69
1922	..	453	386	839	156	157	313	32	20	52	10	8	18	211	184	395	2,816	2,116	4,932	2,747	2,062	4,809	34.44	40.67	37.31	7.67	8.92	8.21
1923	..	442	366	808	168	151	319	42	38	80	15	5	20	194	131	325	2,839	2,157	4,996	2,789	2,079	4,868	38.00	41.25	39.48	6.95	6.30	6.67
1924	..	446	377	823	162	128	280	30	42	72	9	11	20	221	95	316	2,873	2,258	5,131	2,808	2,146	4,953	34.08	33.95	34.02	7.87	4.42	6.37
1925	..	445	430	875	144	175	319	29	37	66	23	17	40	201	123	324	2,921	2,336	5,257	2,830	2,203	5,033	32.36	40.69	36.45	7.45	5.57	6.43
1926	..	508	439	947	136	145	281	27	35	62	13	25	40	207	147	354	3,044	2,423	5,467	2,926	2,287	5,213	26.18	30.75	29.67	6.16	6.42	6.77
1927	..	531	414	945	157	128	285	40	42	82	14	9	23	217	132	349	3,147	2,526	5,673	3,022	2,373	5,395	29.56	30.91	30.16	7.17	5.65	6.47
1928	..	506	450	956	115	134	249	40	40	80	17	13	30	207	161	368	3,274	2,628	5,962	3,120	2,459	5,579	22.72	29.77	26.04	6.63	6.55	6.59
1929	..	549	407	956	145	144	289	30	28	58	22	16	38	227	153	380	3,399	2,694	6,093	3,215	2,495	5,710	26.41	35.37	30.23	7.06	6.13	6.65
1930	..	621	474	1,095	138	128	266	28	34	64	31	23	54	251	172	423	3,572	2,811	6,383	3,342	2,590	5,932	22.22	27.00	24.29	7.51	6.64	7.15
1931	..	587	476	1,063	127	120	247	29	30	59	29	30	59	221	199	420	3,753	2,908	6,661	3,503	2,696	6,199	21.64	25.21	23.37	6.31	7.39	6.76
		20,295	14,843	35,138	7,509	6,322	13,831	1,434	1,322	2,756	463	350	813	7,618	4,195	11,813	..	..	..	..	..	..	..	..	..	..	..	..

Excluding transfers between institutions—1,754 males, 1,223 females.

TABLE XVI.—SHOWING THE ADMISSIONS, DISCHARGES, AND DEATHS FROM 1ST JANUARY, 1876, TO 31ST DECEMBER, 1931, (EXCLUDING TRANSFERS).

						M.	F.	T.
In hospitals, 31st December, 1875						482	254	736
Admissions .. .. .						20,295	14,843	35,138
						20,777	15,097	35,874
Discharged—						M.	F.	T.
Recovered.. .. .						7,509	6,322	13,831
Relieved .. .. .						1,434	1,322	2,756
Not improved .. .. .						463	350	813
Died .. .. .						7,618	4,195	11,813
						17,024	12,189	29,213
Remaining on 31st December, 1931						3,753	2,908	6,661

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

						Males.	Females.	Both Sexes.
Recovered	..	..	..	..	..	36·09	41·87	38·55
Relieved	..	..	..	..	..	6·90	8·75	7·66
Not improved	..	..	..	..	..	2·23	2·32	2·26
Died	..	..	..	..	..	36·63	27·78	32·92
Remaining	..	..	..	..	..	18·15	19·28	18·61
						100·00	100·00	100·00

TABLE XVIII.—DEBITS FOR THE FINANCIAL YEAR, 1931–32.

	Auckland.	Christchurch.	Dunedin.	Hokitika.	Nelson.	Portlra.	Tokanni.	Head Office.	Total.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Salaries ..	39,082 11 7	42,254 18 10	51,187 14 7	14,996 12 1	19,415 15 3	50,306 18 6	21,957 7 1	7,162 10 5	246,364 7 4
Official Visitors ..	38 0 9	23 2 1	..	11 11 2	..	16 17 6	..	..	89 11 6
Advertising, books, &c.	1 13 8	4 19 9	6 9 6	3 10 9	4 3 6	5 1 6	2 2 0	15 15 10	43 16 6
Bacteriological research ..	..	2 17 0	0 1 1	..	0 10 6	19 3 6	..	..	22 12 1
Bedding and clothing ..	..	5,045 18 0	5,321 4 7	1,218 10 1	2,384 12 8	6,080 4 6	2,558 7 7	..	27,364 9 11
Buildings, including additions, &c.	..	1,039 10 2	518 9 2	272 13 1	542 8 5	1,080 4 8	583 11 10	..	4,649 11 2
Dental services ..	..	13 4 8	21 13 3	8 2 6	8 12 3	20 4 6	17 3 10	..	93 1 2
Farms, maintenance of ..	877 17 7	1,289 18 10	1,487 16 8	275 10 6	1,379 19 5	1,574 4 3	2,919 6 3	..	9,804 13 6
Fencing, draining, and roading ..	61 6 10	198 6 7	158 17 0	24 0 9	149 12 8	246 3 8	297 14 10	..	1,136 2 4
Freight, cartage, and transport ..	41 6 9	247 9 5	443 2 1	5 2 9	251 16 4	353 5 2	189 6 1	0 16 6	1,532 5 1
Fuel, light, water, &c.	..	5,990 9 5	7,130 18 11	1,165 11 9	2,950 18 10	6,761 4 11	3,042 0 9	47 15 2	32,676 4 5
Furniture and furnishings ..	..	52 10 0	49 0 0	7 10 0	46 7 6	72 7 6	46 0 0	..	423 15 0
Furniture and furnishings ..	..	507 16 3	304 1 5	47 15 5	181 10 11	128 10 0	184 5 4	0 12 0	1,630 10 10
Gardens and shrubberies ..	..	86 8 2	13 4 9	1 7 11	27 7 7	59 4 8	57 9 1	..	253 15 0
Laundry ..	608 12 6	263 12 4	560 19 10	322 8 5	226 5 8	366 10 8	206 8 11	..	2,554 18 4
Legal and inquiry costs ..	..	40 8 0	6 7 6	..	4 1 0	5 7 0	..	..	60 4 6
Machinery, repairs, and stores ..	83 17 3	179 4 0	101 12 0	22 6 8	99 19 0	62 18 1	67 1 1	..	616 18 1
Medical fees ..	552 16 10	506 18 3	239 7 4	32 15 9	54 3 9	591 6 7	178 2 2	..	2,155 10 8
Motor-vehicles, maintenance of ..	52 9 4	323 12 8	209 0 2	11 5 10	477 0 3	157 18 8	133 15 9	..	1,365 2 8
Motor-vehicles, purchase of ..	..	..	..	..	..	..	811 15 0	..	811 15 0
Nursing staff uniforms ..	284 17 8	93 14 2	275 0 2	72 18 0	66 2 8	194 14 9	43 15 3	..	1,031 2 8
Office equipment ..	0 8 2	3 2 4	..	0 15 0	1 19 11	3 5 0	1 2 0	5 8 2	16 1 7
Patients, expenses connected with—									
Gratuities ..	46 13 4	0 10 5	33 10 6	20 1 2	173 6 5	98 14 4	0 8 0	..	373 4 2
Friends ..	..	..	90 0 0	..	..	..	..	..	90 0 0
Recreation ..	1,774 3 9	1,305 13 5	1,461 12 10	213 13 1	489 8 1	2,528 19 11	868 7 10	..	8,641 18 11
Transfers ..	8 11 5	2 13 2	..	2 19 8	1 6 0	195 11 5	8 18 9	..	220 0 5
Postage, telegrams, &c.	121 2 7	148 18 2	143 17 5	17 10 0	51 0 5	207 17 5	101 6 0	316 9 9	1,108 1 9
Printing and stationery ..	182 15 0	196 15 4	111 13 10	46 12 0	97 16 4	144 12 11	78 12 11	91 18 7	950 16 11
Rations ..	13,103 1 7	12,727 19 2	12,523 17 0	3,904 3 4	5,396 8 0	18,178 4 8	5,140 18 3	..	70,974 12 0
Rents and rates ..	..	825 8 3	4 2 6	..	2 5 1	..	..	805 10 10	1,637 6 8
Stores ..	527 14 7	907 1 4	902 5 8	152 0 3	325 1 9	835 13 10	435 15 8	..	4,085 13 1
Surgery and dispensary—									
Drugs and instruments ..	261 13 10	354 3 4	295 10 1	67 6 0	160 17 5	444 8 7	128 13 7	..	1,712 12 10
Wines, spirits, &c.	6 19 10	9 4 1	..	..	5 8 0	11 18 8	..	..	33 10 7
Telephone services ..	53 18 10	107 7 9	191 17 10	24 13 7	59 9 7	109 15 8	74 19 1	107 18 2	730 0 6
Transfer and removal expenses ..	118 13 10	1 15 9	83 5 7	16 19 7	145 12 7	8 3 10	23 5 0	1 14 6	399 10 8
Travelling-allowances ..	97 19 8	90 16 11	206 17 5	26 15 6	167 4 3	8 2 0	78 13 5	192 0 5	868 9 7
Travelling-expenses ..	64 18 6	44 19 6	152 2 6	12 10 8	31 10 7	73 0 11	29 0 6	136 11 0	544 14 2
Treatment and maintenance in general hospitals—									
Patients ..	244 2 0	28 13 3	138 17 0	10 15 0	110 2 0	106 7 0	13 8 0	..	652 4 3
Staff ..	2 2 0	2 2 0	61 13 0	3 3 0	0 7 6	24 3 0	..	..	93 10 6
Contingencies ..	1 10 0	3 10 8	5 4 9	1 15 0	8 1 3	3 17 8	5 8 6	7 7 3	36 15 1
	69,699 17 2	74,925 13 5	84,441 7 11	23,021 6 3	35,498 13 4	91,085 4 5	40,284 10 4	8,892 8 7	427,849 1 5

TABLE XVIII.—CREDITS FOR THE FINANCIAL YEAR, 1931-32.

	Auckland.		Christchurch.		Dunedin.		Hokitika.		Nelson.		Porirua.		Tokanui.		Head Office.		Total.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Receipts for maintenance ..	25,263	9 8	24,899	9 9	21,791	16 6	2,896	3 1	7,608	15 1	29,758	17 4	9,932	18 2	..	..	122,151	9 7
Receipts for farms ..	256	6 8	2,437	3 6	719	17 5	66	4 0	631	5 5	799	12 10	3,649	3 1	..	..	8,559	12 11
Miscellaneous ..	5,268	11 11	5,632	18 3	7,963	18 9	1,931	2 7	2,617	18 8	6,743	9 3	3,273	16 8	13	1 1	33,444	17 2
Totals ..	30,788	8 3	32,969	11 6	30,475	12 8	4,893	9 8	10,857	19 2	37,301	19 5	16,855	17 11	13	1 1	164,155	19 8

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

Mental Hospital.	Average Number resident (inclusive of Boarders).	Salaries.	Bedding and Clothing.	Buildings and Repairs.	Farm.	Fuel, Light, Water, and Cleaning.	Provisions.	Surgery and Dispensary.	Wines and Spirits.	Miscellaneous.	Total Cost per Patient.	Repayments for Maintenance.	Other Re-payments.	Net Cost per Patient.	Net Cost previous Year.	Decrease in 1931-32.	Increase in 1931-32.
		£ 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.	£ s. d.
Auckland ..	1,314	29 14 10	3 12 5	0 9 4	0 13 4	4 5 1	9 19 5	0 4 0	0 0 1	4 2 4	53 0 10	19 4 6	4 4 1	29 12 3	35 10 3	5 18 0	..
Christchurch ..	1,139	37 2 0	4 8 7	0 18 3	1 2 8	5 5 2	11 3 6	0 6 3	0 0 2	5 9 1	65 15 8	21 17 3	7 1 8	36 16 9	48 17 8	12 0 11	..
Dunedin (Seacliff) ..	1,295	41 8 11	4 6 2	0 8 5	1 4 1	5 15 6	10 2 10	0 4 9	..	4 16 9	82 7 5	17 12 11	7 0 7	43 13 11	54 9 3	10 15 4	..
Hokitika ..	279	53 15 0	4 7 4	0 19 7	0 19 9	4 3 7	13 19 10	0 4 10	..	4 0 4	82 10 3	10 7 7	7 3 2	64 19 6	83 10 2	18 10 8	..
Nelson ..	498	38 19 9	4 15 9	1 1 9	2 15 5	5 18 6	10 16 9	0 6 6	0 3 3	6 11 0	71 5 8	15 5 7	6 10 6	49 9 7	57 3 5	7 13 10	..
Porirua ..	1,461	34 8 8	4 3 3	0 14 9	1 1 7	4 12 7	12 8 10	0 6 1	0 0 2	4 11 0	62 6 11	20 7 5	5 3 3	36 16 3	40 13 3	3 17 0	..
Tokanui (includes Kingseat)	611	35 18 9	4 3 9	0 19 1	4 15 7	4 19 7	8 8 3	0 4 3	..	6 9 5	65 18 8	16 5 2	11 6 7	38 6 11	45 7 6	7 0 7	..
Head Office ..	..	1 1 11	..	..	..	0 0 1	..	..	..	0 5 2	1 7 2	..	..	1 7 2	1 14 1	0 6 11	..
Totals ..	6,537	37 13 9	4 3 9	0 14 3	1 10 0	5 0 0	10 17 1	0 5 3	0 0 1	5 4 10	65 9 0	18 13 9	6 8 6	40 6 9	48 12 2	8 5 5	..



TABLE XX.—EXPENDITURE, OUT OF PUBLIC WORKS FUND, ON MENTAL HOSPITAL BUILDINGS, ETC., DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1932, AND LIABILITIES AT THAT DATE.

Mental Hospitals.	Net Expenditure for Year ended 31st March, 1932.		Liabilities on 31st March, 1932.	
	£	£	£	£
Auckland	..	621	89	
Christchurch (Sunnyside)	..	4,650	107	
Hokitika	..	8,381	587	
Nelson and Stoke	..	3,339	..	
Porirua	..	1,349	10	
Puhitahi	..	16,433	97	
Seacliff..	..	3,065	..	
Tokanui	..	7,164	93	
Waitati	..	936	..	
Total ..	..	45,938	983	

TABLE XXI.—TOTAL EXPENDITURE, OUT OF PUBLIC WORKS FUND, FOR BUILDINGS AND EQUIPMENT AT EACH MENTAL HOSPITAL FROM 1ST JULY, 1877, TO 31ST MARCH, 1932.

Mental Hospitals.	1877-1923.	1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	1931-32.	Total Net Expenditure, 1st July, 1877, to 31st March, 1932.
Auckland	£ 170,075	£ 5,188	£ 2,393	£ 2,073	£ 19,988	£ 12,213	£ 12,461	£ 2,279	£ 3,372	£ 621	£ 230,663
Christchurch (Sunnyside)	.. 196,212	.. 1,497	.. 6,272	.. 2,901	.. 7,229	.. 10,164	.. 7,777	.. 35,291	.. 23,993	.. 4,650	.. 295,986
Dunedin (The Camp)	.. 4,891	.. ..	.. ..	.. ..	.. 1,745	.. 141	.. 401	.. 3,064	.. 14,764	.. 8,381	.. 4,891
Hokitika	.. 9,500	.. 10,216	.. 16,013	.. 8,034	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 72,259
Hornby	.. 11,102	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 11,102
Motuihi Island	.. 561	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 561
Napier	.. 147	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 147
Nelson and Stoke	.. 36,428	.. 2,879	.. 6,294	.. 13,750	.. 3,496	.. 753	.. 956	.. 33,250	.. 26,494	.. 3,339	.. 127,639
Puhitahi	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 16,130
Seacliff	.. 188,730	.. 1,246	.. 3,016	.. 4,767	.. 17,888	.. 9,408	.. 27,132	.. 34,609	.. 8,914	.. 3,065	.. 32,563
Tokanui	.. 96,010	.. 2,743	.. 16,076	.. 8,097	.. 1,658	.. 2,124	.. 19,887	.. 32,405	.. 27,787	.. 7,164	.. 298,775
Waitati	.. 17,468	.. 194	.. ..	.. ..	.. 627	.. ..	.. 853	.. 2,170	.. 9,557	.. 936	.. 213,951
Wellington	.. 29,641	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 31,805
Wellington (Porirua)	.. 213,818	.. 2,578	.. 18,374	.. 38,213	.. 16,004	.. 16,315	.. 27,315	.. 9,028	.. 3,129	.. 1,349	.. 29,641
Totals	.. 974,583	.. 26,541	.. 68,438	.. 77,835	.. 68,635	.. 51,118	.. 96,782	.. 152,096	.. 134,140	.. 45,938	.. 1,696,106

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