

1931.  
NEW ZEALAND.

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# MENTAL HOSPITALS OF THE DOMINION

(REPORT ON) FOR 1930.

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

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

SIR,—

Wellington, 1st July, 1931.

I have the honour to present the annual report upon the work of the Department of Mental Hospitals for the year ending 31st December, 1930.

At the end of the year 6,293 persons were actually resident in the Government mental hospitals, of whom 5,979 were the subject of a Magistrate's reception order, and 314 were voluntary boarders who had entered the institutions upon their own application.

In addition to those actually in residence, 359 patients were out on probation in the care of friends and relatives at the end of the year.

Our admissions during the period under review totalled 1,407 persons—1,095 by committal and 312 by voluntary application.

We were able to discharge 591 persons during the year, of whom 382 had been committed and 209 were voluntary boarders, the discharge-rate of the two classes being 29.9 per cent. and 66.6 per cent. respectively.

"Recovery" from a mental illness cannot always be strictly interpreted as merely the abeyance of the symptoms which necessitated admission, but rather as the fitness of the patient for reabsorption into ordinary civil life, with its occupations, its pleasures, its temptations, and its disharmonies or stresses. The period of rehabilitation often presents great difficulties to our patients, whose initial mental constitution is in many cases below par, and, although we aim at and have the gratification of seeing many "recoveries" in the true sense of the term, in not a few cases the most we can hope for is a harmonious adjustment between the individual and his environment on discharge.

It is always necessary to ensure that the recreative work of weeks or months is not undone by adverse conditions met with immediately on discharge, and detention is therefore sometimes longer than it would be under more favourable circumstances. Taking into account the present depression, with widespread unemployment, the discharge-rate must be considered as highly satisfactory.

## FACILITIES FOR ADMISSION.

The alternative method of committal provided under section 8 of the Mental Defectives Amendment Act, 1928, was used in 217 cases, or 19.8 per cent. of the total admissions, as compared with 16.4 per cent. last year.

Under this section the necessity for patients having to be taken to the Magistrates' Courts for committal is avoided. The medical examinations of the persons concerned are carried out in the privacy of the home and the legal formalities completed at the hospital. That there is a desire on the part of those affected to avoid unnecessary formality or association with the Courts is reflected in the fact that during the year over 37 per cent. of all our admissions were effected either under section 8 or by voluntary request.

## SHORTAGE OF ACCOMMODATION.

During the year 1,407 persons were admitted to our hospitals, and in spite of discharges, deaths, and releases on probation our population on 31st December was 336 in excess of that on the corresponding date of the previous year.

To meet the increase new additional accommodation was made available for about 300 patients, and at the end of the year we had 748 patients in excess of proper accommodation.

The following table shows the distribution of patients and the position in regard to overcrowding at the different institutions at the end of the year :

Mental Hospital.	Accommodation provided.	Number actually resident.	Deficiency of Accommodation.	Surplus of Accommodation.
Auckland .. .. .	1,145	1,338	193	..
Tokanui .. .. .	497	553	56	..
Porirua .. .. .	1,270	1,446	176	..
Nelson (and Stoke) .. .. .	525	423	..	102
Hokitika .. .. .	267	278	11	..
Christchurch .. .. .	859	1,017	158	..
Seacliff (and Waitati) .. .. .	952	1,208	256	..
Total .. .. .	5,515	6,263	850	102

Three new villas at Stoke for which contracts were let in October, 1928, were completed and occupied in November, 1930, and this, with the occupancy of three villas at Tokanui last year, has rendered less acute the congestion at Porirua ; but the planning, the arranging of contracts, and the erection of such buildings involves much time, and if the evils of overcrowding are to be avoided it is necessary to lay down, and adhere to, a programme well in advance of immediate needs.

It is a generally accepted view that the efficiency of an institution becomes increasingly impaired as its patient population increases beyond one thousand, and for this and other reasons I consider that it would be a bad policy to add to the existing larger institutions.

In addition to the inherent disadvantages of a large institution population, a factor which must be considered is that at Porirua, Auckland, and Christchurch all the land not already occupied by buildings is required for farm and garden production in order to lessen the cost of maintenance, and also that so far as Seacliff is concerned the considerable movement of the ground makes it increasingly difficult to find safe sites for building.

In order to avoid immediate capital expenditure for land, the policy has been adopted for some time of erecting villas at our smaller institutions, such as Hokitika and Waitati, and transferring patients to them from the larger and overcrowded hospitals. This policy is a sound one from an economic as well as an administrative point of view, but it is limited by the small amount of land available at the lesser places, as well as by the number of patients whose relatives are agreeable to such transfers.

The overcrowding at Auckland should be gradually overcome by the completion of villas at Kingseat, our new hospital near Papakura, and I would strongly urge that a similar policy be carried out in connection with Porirua. As I have pointed out, a great amount of preliminary work has to be done before any estate purchased can be put into effective occupation by patients, and, so far as cost is concerned, the present time would be a very opportune one to purchase.

So far as the South Island is concerned, both Seacliff and Christchurch are taxed for room, and an estate for the erection of a new institution should be acquired about half-way between the main cities.

While the table given above sets forth the number of patients in excess of actual room-space, it does not convey in any adequate way the ill results of overcrowding in the institutions.

The provision during recent years of admission cottages, neuropathic units, and detached villas, and the modernization generally of our mental hospitals, have gained for us the confidence and co-operation of the public of New Zealand, and, in my opinion, there is not a better system anywhere in the world ; but the progressively increasing handicap imposed upon us by lack of accommodation is tending to prevent full advantage being taken of our resources, and unless the rate of building is accelerated our classification system is likely to be thrown out of gear at no distant date.

#### ALTERATIONS, IMPROVEMENTS, AND ADDITIONS.

Our capital expenditure on alterations, improvements, and additions during the year was £134,140, and the following summary shows the principal items, as well as new works completed or in progress :—

##### *Auckland, including Kingseat (£19,502).*

The first two residential villas at Kingseat are approaching completion, and should be ready for occupation by next August.

Tenders are being called for another two similar villas, the specifications in the meantime having been revised in view of the need for earthquake-proof structures.

At Avondale verandas have been added to Oakleigh Hall and one of the female wards, and these have proved of value in the nursing of senile and infirm patients.

A new residence has been built for the Medical Superintendent.

##### *Tokanui (£27,787).*

The new Nurses' Home is approaching completion. There is accommodation for sixty nurses and domestic workers.

##### *Porirua (£3,129).*

No additions of any consequence have been made to this institution, but extensive renovations and redecoration have been carried out during the year.

The electrical installation requires rewiring, and this will be done immediately.

*Nelson, with Stoke (£26,494).*

Three new villas at Stoke were completed and occupied in November, and this enabled us to put into effect the policy of making Stoke the main mental hospital, and setting apart the whole of the old Nelson institution for the accommodation of mentally deficient children.

A new bakehouse was erected at Stoke.

The homestead cottage on the property acquired from Yorks has been altered and enlarged for occupation by the Assistant Medical Officer.

*Hokitika (£14,764).*

A new villa of the Templeton type has been erected, and is in occupation by forty-eight female patients, mainly transfers from Christchurch. Sites have been chosen for two similar buildings, which it is hoped will be completed during the ensuing year.

New machinery was installed in the laundry, and we are now doing our own washing.

*Christchurch (£23,993).*

The old B block, originally the Medical Superintendent's house, was demolished during the year and replaced by a new villa to hold sixty patients.

Another villa for children was erected at Templeton Farm.

*Seacliff, with Waitati (£18,471).*

Consequent upon the completion of the new kitchen, stores, and laundry blocks, the central portion of the main building is now ready for alterations to provide additional workrooms, staff sleeping-accommodation, and other desirable improvements. This work is now proceeding.

An additional villa for fifty women was built at Waitati, and further sites have been selected.

The old main building at Waitati is no longer safe for occupation, and plans are under consideration for its replacement by a hospital admission ward.

DANGEROUS PATIENTS.

With the gradual extension of parole and the "open door" system in our mental hospitals it is becoming increasingly desirable that a separate institution to serve the needs of the whole Dominion should be erected for the safe custody of dangerous patients.

By "dangerous patient" I do not necessarily refer to the so-called "criminal lunatic," and I do not suggest the establishment of an institution like Broadmoor, in England, to which those acquitted of serious crime on account of insanity would be automatically committed.

The great majority of those committed to our care under the part of the Act dealing with criminals are not violent or dangerous patients if provided with proper occupation, environment, and treatment, and, instead of causing any trouble or anxiety in our institutions, they are not infrequently amongst the most amenable and industrious of our patients. On the other hand, in every institution there is a small proportion of patients whose hallucinations, persecutory ideas, sexual, fire-raising, or other abnormal proclivities render them a source of great danger to their fellow-inmates and to the staff whilst in the institution, and to the community if they happen to escape. The results of their detention in an ordinary mental hospital are doubly unfortunate. In the first place, they render necessary structural precautions and restrictions which could otherwise be dispensed with to the benefit and increased liberty of the other patients, and, secondly, they have themselves to be guarded and restrained with a strictness which could be mitigated in an institution specially designed for the needs of this small group. The number for whom this purely custodial care requires to be provided is not large—certainly not more than a hundred—but their segregation in this way would be of manifest advantage to the ordinary run of patients in our mental hospitals.

PSYCHIATRIC CLINICS.

The out-patient clinics conducted by our medical officers at the general hospitals in the main centres continue to carry on useful work. Established over five years ago by my predecessor in order to afford early consultation and treatment to those suffering from incipient mental and nervous affections, the clinics have in each successive year shown an increasing number of attendances, particularly in Wellington and Auckland, where the two sessions held weekly are found to be hardly sufficient to deal with the cases presenting. During the past year two additional clinics were opened—one at Invercargill and one at Greymouth—and the figures for them are not available, but those relating to the main centres will indicate the extent of this branch of our work :—

Centre.	Number of Separate Persons seen.	Number of First Consultations.	Number of Subsequent Consultations.	Total Consultations.
Auckland .. ..	266	242	459	701
Wellington .. ..	444	287	532	819
Christchurch .. ..	39	39	98	137
Dunedin .. ..	175	175	6	181
Total .. ..	924	743	1,095	1,838

As showing the preventive nature of the work at the clinics, it may be mentioned that, of the 242 first consultations at Auckland, only seventy-nine resulted in the persons concerned having to enter a mental hospital, and, of these, thirty-seven became voluntary boarders.

Most of those attending the clinics do so on the advice of their private medical attendants, but many come spontaneously, and others are referred by Government Departments and semi-public social organizations.

#### THE EUGENICS BOARD.

Two psychological clinics are now being conducted under the auspices of the Eugenics Board—the Wellington one, inaugurated in 1929, and another established at Auckland last year.

During the year psychological investigations have been carried out at these clinics upon 712 new cases, in addition to many special examinations arranged in the other centres.

The following table shows the source of these cases:—

		Wellington. Auckland.	
(1) Department of Education—			
(a) Children in special classes .. ..	.. ..	44	119
(b) Children in ordinary classes .. ..	.. ..	38	104
(c) Referred by Child Welfare Branch ..	.. ..	115	14
(2) Department of Health—Division of School Hygiene ..	.. ..	60	59
(3) Prisons Department .. ..	.. ..	16	..
(4) Magistrates' and Children's Courts .. ..	.. ..	10	2
(5) Parents, guardians, and medical practitioners ..	.. ..	105	26
Total .. ..	.. ..	388	324

It will be seen that in the meantime the main work of the psychological clinics lies in the direction of co-operating with the Department of Education in resolving problems which have arisen in regard to the education or behaviour of children under its control, but it is gratifying to note that the services offered by the clinics are becoming better known to parents, who are consulting us with increasing frequency. At the Wellington clinic the number of such consultations has risen from 35 to 105 during the year.

These psychological investigations do not begin and end with the personal examination of the children concerned; they involve a visit to the home by our social-service workers, who report upon any domestic circumstances which are adverse to the child and which may, indeed, be the fundamental cause of the child's appearance at the clinic.

It is our policy to avoid taking children into institutions unless such a course is really necessary in their own interests, and we are greatly assisted in this aim by the social-service workers, whose advice and explanations to the parents are often all that is required.

In this connection our social-service workers—Mrs. Dick in Wellington and Miss Watkin in Auckland—have paid 1,021 visits during the year, and their assistance appears to be greatly appreciated by the parents.

#### ACCOMMODATION FOR FEEBLE-MINDED CHILDREN.

Where institutional care becomes necessary for these children it should be provided in institutions apart from mental hospitals, and this is one of the most urgent problems of our mental-hospital system.

As I have previously pointed out, the problem of training the feeble-minded is very different from that involved in the care and treatment of persons suffering from mental disorders, and the segregation of these two groups in the same institution is mutually disadvantageous.

Some years ago a first step in the direction of separating these groups was taken by the acquisition of Stoke Farm, near Nelson, the intention being to build a new villa institution at Stoke and to reserve the old Nelson Mental Hospital for defective children. For various reasons the erection of the villas at Stoke has been delayed, but they were completed this year, and the old institution at Nelson has now been set apart for the needs of the lower-grade feeble-minded children.

For the higher grades we reserve the Templeton Farm Colony, near Christchurch, where a new villa was added this year—the present population being 144 children (96 boys, 48 girls).

In order to maintain Templeton as a training rather than as a custodial institution it is necessary to insist upon a certain standard of mental receptiveness, and those who do not attain this go to Nelson. Unfortunately, both the institutions are now full, and we have a waiting-list of children who have been examined and found suitable for vacancies when they occur.

The utilization of Nelson Mental Hospital for this purpose was no doubt the best solution available at the time it was proposed, but its situation within the city area, its limitation as to size, and the expansion of our numbers beyond that originally contemplated raise the question as to whether or not it would be advisable to remove this institution altogether to some more sparsely populated district. I am aware that this is not an opportune time to propose such a scheme, but the matter will have to be faced at some future time.

#### APPRECIATION.

In conclusion, I desire to acknowledge my indebtedness to my colleague, Dr. John Russell, the Medical Superintendents, the Assistant Medical Officers, and the other officers of the service for their unflinching loyalty and help at all times.

To Mr. Holder and the Head Office staff my thanks are due for good work done throughout the year.

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, 1930.

The total number of cases under care during the year has been 1,508, with a weekly average of 1,223. The admissions have numbered 247 (136 males, 111 females). Of this number, 191 were admitted for the first time.

Eighty voluntary boarders were admitted during the year, making a total of 149 under care, and of these 55 were discharged.

The increased number of admissions now taxes our accommodation to the utmost, and we already have to look round to find which wards will best carry the surfeit.

At the end of the year 72 patients were on probation, 48 on full parole, and 303 on limited parole. Ninety-nine patients were admitted under section 8 of the Mental Defectives Amendment Act, 1928.

The general health of the patients has been good, although there have been 12 cases of dysentery in M. 2 Ward.

The number of consultations at the Psychiatric Clinic was 701, showing an increase of 208 over last year's figures. The details of these numbers have been forwarded to you in a separate report.

In April we were fortunate, through the courtesy of Dr. Gilmour, Bacteriologist of the Auckland Hospital, in procuring benign tertian malarial infected blood, with which we treated eight general paralytic patients. Unfortunately, the patients available were mostly too advanced in this progressive disease for us to expect a cure. One definite cure was effected, and one man was decidedly improved. Of the remaining six, five have shown no improvement and one died. Infected blood was passed on to Porirua Mental Hospital.

The new residence for the Medical Superintendent has been completed and is now in occupation. This leaves the old house vacant and ready to be occupied as a residential clinic as soon as money is available for the necessary alterations and furnishings. In view of the overcrowding in the other parts of the institution, I hope money will be forthcoming in 1931 for this work.

Verandas have been built on to F. 7 Ward and Oakleigh Hall. These provide additional nursing facilities, besides improving the appearance of both wards.

A circular walk has been constructed through the more picturesque parts of the grounds, and makes a promenade full of interest and gives greatly appreciated shade for walking parties during the hot weather.

In August the boiler supplying hot water to the main building broke down irreparably, and we have had to depend since then on an extempore method of heating water by discharging steam into two cylinders. This is not satisfactory, and I am of opinion that the installation of another but larger boiler will best meet our requirements.

Among other changes and alterations, the main male bathroom has been reconstructed; showers have been installed in M. 3; curtains have been hung between the individual baths in the main female bathroom, providing much appreciated privacy. Steam-heated boilers for the making of tea are now in several wards. Copper piping has been substituted for iron piping for hot water in many parts of the building. A veranda has been added to the Senior Medical Officer's house.

A steady programme of painting has been carried on throughout the institution, and the Nurses' Home has been painted throughout.

I think the time has come when the Department should consider the advisability of disposing of the property of 90 acres, known as "The Reef," which lies adjacent to the Zoological Gardens. Its grazing-properties are poor, and owing to the tramways being now established in the Great North Road the driving of the stock to and from "The Reef" has become a difficult and to a certain extent a dangerous undertaking.

The accommodation of the Summer Camp at Kingseat was increased, and now houses thirty patients. These patients are employed in preparing building-sites and roadmaking for the new hospital. They are happy in their surroundings, appreciate the freedom they obtain, and express a reluctance to leave Kingseat to return to Auckland.

The usual round of entertainments was provided—bands, concerts, dances, and visits to the local picture-theatre. Competitions in bowls and tennis took place. The annual picnic, as usual, was greatly enjoyed.

Regular visits were paid by the Official Visitors.

I take this opportunity to record thanks to my whole staff for their loyal co-operation during the year.

### TOKANUI MENTAL HOSPITAL.

Dr. PRINS reports :—

I have the honour to submit my report for the year ending 31st December, 1930.

The total number of cases under care has been 613, with a weekly average of 530. The admissions were 64 (males 34, females 30); of these, 32 males and 30 females were admitted for the first time. The transfers were 106 (males 4, females 102). The general health of the Hospital has been exceptionally good.

The deaths have been 21 (males 8, females 13), senile decay being the principal cause. The discharges numbered 29 (males 16, females 13); of these, 10 males and 9 females were recoveries.

There were 26 voluntary boarders (15 males and 11 females) under treatment during the year, 7 males and 4 females being new admissions. The discharges were 6 males and 1 female.

The cases admitted under section 8 of the Act were 24. The number on probation with their people is 13 males and 11 females.

The parole system continues to work very well, and the number of male patients allowed this privilege in varying degrees is now 220.

The three new villas were opened in February last, 100 female patients being received from Porirua.

The recreation of the patients has comprised pictures, dances, and concerts; while parties have been to the races, show, &c.; and in the summer bathing parties of men and women. The pictures will cease shortly, owing to there being no supply of silent films, and will be very much missed by every one.

During the year a new washing-machine has been installed in the laundry, a new steamer in the kitchen, and the Hospital is being rewired.

Lectures have been given to the senior and junior staff. Four attendants and one nurse obtained the senior nursing certificate.

Mr. Battson, Official Visitor, has visited the Hospital regularly.

In conclusion, I have 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 1930.

The total number of people under care during the year was 1,976, of whom 1,809 were committed patients and 167 voluntary boarders.

Of committed patients, the number on the register on the 1st January was 1,535 (823 males and 712 females); on the 31st December there were 1,458 (855 males and 603 females). The number of admissions for the twelve months was 274 (157 males and 117 females); the number discharged was 127 (62 males and 65 females), of whom 107 were "recovered." The number transferred was 113, and the number of deaths was 111.

During the year 167 voluntary boarders were under our care; of these, 93 entered the Hospital for the first time, while 24 were readmissions. We were able to discharge 59 as recovered or greatly improved, 8 required committal, and 6 died, leaving 94 in residence at the end of the year.

Thirty-three persons (12 males and 21 females) were admitted under section 8 of the 1928 Amendment Act; all were subsequently committed. It is evident that knowledge concerning this much less harsh form of admission is becoming more widespread—our own figures, for example, are twice those of last year.

Overcrowding is still of serious dimensions, more particularly on the male side. Conditions on the female side were considerably relieved by the transfer to Tokanui early in February of 100 patients; unfortunately, however, the number of women patients is still uncomfortably close to the prescribed limit. It is very evident, too, that as soon as circumstances permit it will be necessary to provide special accommodation for senile cases requiring only custodial care, and for the mentally deficient. This applies more particularly to the male population, and if such provision were made not only would undue congestion be relieved, but also would be possible a more rational system of classification, with its consequent advantages from the treatment point of view.

The general health of patients during the year has been satisfactory. There have been no epidemics, nor any serious or avoidable accidents.

A satisfactory amount of work in the way of renovations, additions, &c., has been accomplished during the year, and much of this has tended to the still further comfort of patients. Steam-kettles have been installed in various wards; hot water has been laid on to the wash-hand-basins where required; extra bathroom and lavatory accommodation has been added in some parts and enlarged in others. A new servery has been added in A and C Wards, and a host of minor defects have received attention. Outside, too, much has been done. Renovations have been made to the main building, Rauta, the farm buildings, and elsewhere. The five villas, the whole of Rauta, and many other wards have been completely repainted. Repairs have been made to the main drive, and the new access road has been entirely reconstructed. Authority has been given for the repainting of the main building, and this very necessary work will be commenced as soon as weather conditions have settled. Some thousands of trees have been planted on various parts of the estate, for shelter-belts and for beautifying purposes. On the therapeutic side have been added radiant-heat baths, electric sterilizers and drums, and a new surgery is being built in A Ward.

The psychiatric clinic at Wellington Hospital continues to function usefully, though, to be sure, we are now finding the two days weekly allotted there barely sufficient to cope satisfactorily with the large numbers attending for treatment. The number of consultations during the year was 819; of these 287 were first visits. All classes of nervous and mental disorder were represented, though the bulk consisted of minor neuroses and psychoneuroses. It was noted, too, how large a part conditions of economic stress played in the etiology of the disorders encountered, more particularly those of an anxiety and of paranoid nature. As heretofore, patients were referred from many sources, and from all parts of the Wellington District.

Concerning amusements and recreations, the usual weekly cinema entertainments have been given, as well as dances at regular intervals; concerts, also, by various amateur and professional artists interested in the hospital—and these are many. Indeed, the patients here are fortunate in the amount of interest that is displayed in their welfare by the people of the Wellington District, as there are very numerous associations, societies, and private individuals who have contributed in truly practical manner in the cause. I must particularly mention the work of Mr. L. O. Hooker, of Hawera, who at his own expense organized an extremely comprehensive campaign for the installation of radio throughout the hospital. As a result of his efforts the people of the Wellington District have generously subscribed to the present over £1,300, and modern and most complete radio equipment has already been installed in Rauta, Tiro-Moana, Vailima, H Cottage, and the Nurses' Home, while further installation is to be made shortly in the male villas and the lower building. The Rev. Harding, too, in addition to the good work he customarily does here, presented, in conjunction with Mrs. Knight, a very fine Atwater-Kent radio-gramophone combination for the main building. Many thanks are due, too, to the Welfare Branch of the Women's National Reserve, the Wellington Commercial Travellers and Warehousemen's Association, the Victoria University College Social Service Club, the R.S.A., the Red Cross Society, the Salvation Army, Messrs. Nimmo and Sons, and to the many others who have given so generously in the way of services and of donations. My thanks are due also to Mrs. Fraser and Mrs. McVicar, and Messrs. Bothamley and Brady, Official Visitors, for the good work they have done during the year. To the ministers of religion who have visited I am also grateful, for all have been most kind and helpful.

I am greatly indebted to my colleagues and to the staff generally for their loyal support throughout the year.

#### NELSON MENTAL HOSPITAL.

Dr. JEFFREYS reports:—

I have the honour to submit my report for the year ended 31st December, 1930.

At the beginning of the year there were 412 patients on the register (284 males, 128 females), and on the 31st December there were 434. The total number under care during the year was 478 (340 males, 138 females), while the weekly average number resident was 419.

There were 66 admissions, and of these 64 (54 males, 10 females) were admitted for the first time. Twenty-three voluntary boarders were under treatment during the year, and of these 4 were committed as ordinary patients, 6 were discharged, and 1 died, leaving 12 remaining at the end of the year.

The general health of the patients has been satisfactory, but the death-rate was fairly high. Thirty-five patients (27 males and 8 females) died. Of these, 12 were between sixty and eighty years of age. There were several outbreaks of influenza during the year, and the chief sufferers were mental defectives of poor physique and little resisting-power, 13 of whom died from pneumonia concurrent with or following on influenza.

At the beginning of November the three new villas at Stoke were occupied by transfer of patients from the main institution at Nelson, which is now practically a home for mental defectives as distinct from the insane. The male side at Nelson is occupied almost solely by mental-defective boys and youths, but it was necessary to leave a few of the old women workers at Nelson to help in the laundry. When the new laundry is built at Stoke these patients will be transferred there. Braemar Lodge is still the receiving and convalescent home. Two of the new villas at Stoke are occupied by parole patients, who greatly appreciate their new surroundings, but particularly the fact that they are no longer behind locked doors and enjoy so much freedom. The third villa is occupied by female patients of the so-called "refractory" class, and the comparative freedom from irksome restraint has had a remarkably beneficial effect on these patients. Instead of having to spend their day in an enclosure, they now go for long walks, which they thoroughly appreciate. The doors are more often left open than not, and it is difficult to realize that this is a "refractory" ward.

Since the beginning of December we have been baking our own bread, and the results are most satisfactory; but the most urgent need of this institution is a new laundry, and it is to be hoped that before the end of the year a new one will be built at Stoke.

The new villas were built for male patients, and, as the occupation of two of them by women is only a temporary arrangement made necessary to relieve congestion, I trust that it will be possible in the near future to build new villas for female patients on the excellent sites we have on what is known as York's Farm.

Improvement in the accommodation of the nursing staff at Nelson has not yet been dealt with, and will have to be considered before long.

In spite of the financial stringency, the Nelson people have been most generous in their donations towards the patients' recreation fund. We have now at Stoke an excellent wireless set, donated by a lady of the district.

The Minister's Association has conducted religious services at Nelson, and it is hoped that similar arrangements will shortly be made for Stoke.

To Dr. Brookes and other officers and staff I tender my thanks for their loyal co-operation throughout the year.

## HOKITIKA MENTAL HOSPITAL.

Dr. HAYES reports :—

I have the honour to submit my report for the year 1930.

At the beginning of the year there were 251 patients on the register (175 males, 76 females), and at the end of the year 285 patients (176 males, 109 females). The total number under care was 307 (190 males, 117 females), the average weekly being 246 (171 males, 75 females). Admissions numbered 56 (15 males, 41 females), of which 33 females were transfers and 2 males were readmissions. Of those admitted for the first time, 13 were male and 8 female. Discharges were 9 recovered (6 male, 3 female), plus 2 males discharged not improved. Two females were transferred.

There were 2 female voluntary boarders resident on the 1st January, and 2 males and 1 female were admitted during the course of the year. Two female and 1 male voluntary boarders were discharged. None was committed.

The health of the patients was good, deaths numbering 9 (6 male, 3 female). The principal causes of death was senile decay and cardiovascular degeneration. There was one case of typhoid, which recovered.

During the year  $7\frac{1}{2}$  acres of virgin ground have been cleared, drained, ploughed, and left fallow. This is less than last year, due to the working-parties being employed in roadmaking for the new villa and farm buildings, and also assisting in the construction of the latter.

In connection with Huia, the new villa, it was necessary to pipe  $9\frac{1}{2}$  chains of open drain. This was done by pipes made by the working-parties in wet weather, when they could not be employed outside, and proved to be quite economical, as the cost was practically that of the cement only.

The vegetable-garden was enlarged by taking in  $1\frac{1}{4}$  acres from the farm to meet the growing population. The addition to the greenhouse was completed in July, and our yield of tomatoes should be double that of last year.

The installation of pumping machinery to the well and water-tower was practically completed at the end of the year. The farm buildings were well advanced, and the installation of laundry machinery commenced.

The fowlhouses have been removed to a site adjacent to the new farm buildings.

No tree-planting was done in the afforested area this year, but a nursery was started next to Egmont, in which red-cedars have been planted, and should be ready for blanking up next year. These cedars were kindly supplied by the Conservator of Forests. This nursery is also being used to raise shrubs and flowers for the gardens.

The new villa was completed in November, and the old block of ten single rooms was demolished. A tennis-court was constructed by hospital labour, and is now in use.

The ground at the back of Aorangi was planted with native bush, and it is proposed to follow this plan next year behind the new villa.

The usual recreation has been given to the patients, but in addition extra entertainment has been afforded them, due to the kindness of the Municipal Band and Mr. Lawn's orchestra playing at their dances. Thanks are also due to the Rev. Mr. Knowles Smith, the St. Paul's Dramatic Club, and the Maori Methodist Mission.

For Christmas entertainment I wish to thank the combined choirs, and also Mr. George Davidson. Owing to bad weather, the patients' picnic had to be held in two instalments, the picnic being in the grounds, followed later by a drive in the country.

The Official Visitors have paid regular visits, and thanks are due to Miss Reynolds and Messrs. Clifton and Coulson in this respect. The Hospital lost in the death of the Hon. H. L. Michel an Official Visitor who was connected with it for over thirty years, and who right up to the time of his last illness paid regular visits and took the keenest interest in the welfare of the patients.

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

## CHRISTCHURCH MENTAL HOSPITAL.

Dr. McKILLOP reports :—

I have the honour to forward my annual report for the year ending 31st December, 1930.

On the 1st January, 1930, there were 960 patients on the register. During the year 271 patients (141 men and 130 women) were admitted. Seventy-eight patients were discharged and 42 transferred to other institutions. The total number of committed patients under care during the year was 1,231, and 1,051 remained on the 31st December, 1930.

During the year 109 voluntary boarders received treatment; 47 (33 men and 14 women) were discharged, 2 died, and 5 were committed.

It is very gratifying to note the increasing number who have taken advantage of the section in the Act sanctioning voluntary admission: 26 of the voluntary boarders were recurrent cases who recognized early symptoms of relapse and came in the hope that an attack might be warded off.

The general health of the patients has been very good. There were 60 deaths (31 males and 29 females), half the deaths being due to senile changes.



Professor Hercus, of the Otago Medical School, continues to take a keen interest in the work of this institution, and I have to record my indebtedness to him and to the officers of his Department for their assistance. Wassermann and other tests for syphilis have been carried out by them in 1,323 cases, 56 males and 18 females giving positive reactions—5.6 per cent. of the number examined.

During the year malarial therapy was given to sixteen cases of general paralysis, with satisfactory results in the majority. Tryparsamide therapy has also been carried out, and several cases that have received both courses have made considerable improvement.

The Mental Hospital buildings and property have been maintained in good order by the artisan staff, and quite a number of alterations have been completed. The Reception House has been renovated, a sleeping-veranda to accommodate ten patients has been completed, and extensive alterations have been made to provide adequate dining-space. B Ward, one of the original buildings, has been demolished, and the new villa to replace it will soon be available for occupation. The farm house and buildings at Jenkins's Farm, Templeton, have been renovated, and twelve patients are now in residence there. The returns from the farm have been very satisfactory.

The patients' recreation has been arranged on the usual lines, but it is hoped that it will be possible to continue the weekly picture entertainments. A new wireless installation is required.

To the District Inspector (Mr. H. D. Acland) and Official Visitors (Mrs. Williams and Mr. H. H. Hanna) I tender my thanks for their regular visits and for their attention to the patients. I desire to record my thanks to Drs. Brown, Lewis, and Bellringer for the help they have afforded me in the medical and general work of the institution.

I have also to thank Mr. Thomas and the office staff, the Matrons, Head Attendants, and other heads of departments for their loyal and efficient assistance, and the staff as a whole for the satisfactory manner in which the work of the Hospital has been carried out.

#### SEACLIFF MENTAL HOSPITAL.

Dr. CHILDS reports :—

I have the honour to submit my report for the year ending 31st December, 1930.

At the beginning of the year there were 1,186 patients on the register (657 males and 529 females), while at the end of the year there were 1,221 (658 males and 563 females). The admissions numbered 176 (96 males and 80 females). Forty-four were discharged (22 males and 22 females), and 1 male patient was transferred to another hospital. The deaths numbered 96 (72 males and 24 females), the number over eighty years of age being 9 (7 males and 2 females), and over seventy being 28 (23 males and 5 females). At the beginning of the year there were 44 voluntary boarders (26 males and 18 females). During the year there were 32 admissions (13 males and 19 females). Twenty-five were discharged (12 males and 13 females). There were 3 deaths, and 2 females were committed. The average weekly number of patients resident during the year was 1,159 (635 males and 524 females). The number of patients placed on probation numbered 90 (44 males and 46 females).

The health of the patients has been, on the whole, good; but during the extremely cold weather from mid-August to mid-October there was an outbreak of influenza, many cases being followed by pneumonia, and this took a toll of the patients, especially the elderly male patients, and accounts for the fairly high death-rate. The health of the staff has been uniformly good, but I regret to report the death of Charge Nurse J. McGregor.

An extensive building programme has been in progress throughout the year. The new kitchen and laundry block is now occupied and in full running-order, while the demolition of the old kitchen block has been commenced. The new pipe-line supplying water from Double Hill is now completed, and supplies the institution with a plentiful supply of good water, the Neuropathic Unit also being connected up. The new villa at Waitati is almost ready for occupation, and this will afford welcome relief to the main building, as the overcrowding is at present rather a problem. The new villa will house the better type of chronic patient; it is well furnished, and is well suited for this purpose. A new day-room of pleasing structure has been added to F. 4, and, being well furnished, is an asset to the institution. A new recreation-park and shelter-shed have been opened on the female side, and this additional space has been much appreciated. The plumbers' yard has been roofed in and new machinery installed in this building. A considerable part of the lavatory accommodation of the main building and D Ward has been overhauled and brought up to date, and this has effected a considerable improvement. The Female Cottage has been renovated, the ceilings in F. 2 and F. 3 Wards renewed, and the snow gratings over the flat roofs of the Concert Hall, Male A, B, and C Wards have also been renewed. Renovations and repairs have been carried out at Cherry Farm Homestead, while the farm has been supplied with water from the Waikouaiti Borough Council's mains. The Fishing-station cottage at Karitane has also been repaired and renovated, and electric light installed. F. 3 Dining-room has had a new wooden floor put in, and this has been an improvement, making the room much warmer. A new bridge has been built at Orokonui Home, Waitati, and the cowyard at Simla Byres concreted. In addition to this, a considerable amount of minor work has been carried out. The work on the farm has proceeded steadily, and the farm itself is looking well. The usual routine of top-dressing, fencing, draining, and roadmaking has been carried out, while attention has been given to improvement of the dairy herd and to the breeding of stock. The gardens, as usual, have been well looked after, and show the attention received.

The clinic at Dunedin Hospital has been attended weekly, while a monthly clinic has been held at the Southland Hospital; the latter is a new departure, and has been well worth while.

Amusements and recreations have, as usual, formed a part of the hospital life. Pictures weekly, weekly dances in the winter, and occasional concerts being held; while cricket, football, bowls, tennis, and croquet have been patronized. Selected parties have also attended the Summer and Winter Shows and the Waikouaiti races, while outdoor picnics have been indulged in when the weather was favourable.

I would thank the nursing staff generally, and the Matrons and Head Attendants especially, for the way they have performed their duties during the year. Thanks are also due to other branches of the staff, especially the heads of the various branches. Mr. Cumming, the "Patients' Friend," has been absent through illness during part of the year, his place being taken by Mr. Syder. Mr. Cumming has been missed, but is now, every one is pleased to know, well on the way to recovery. My thanks are due to the clergy of the different denominations for their regular visits, and to the Red Cross for donations of tobacco throughout the year and for Christmas gifts to returned-soldier patients. The medical officers have ably assisted me during the year, and their work has been of a consistently high standard.

## STATISTICAL.

The patients on the register at the end of the year numbered 6,383 (m. 3,572, f. 2,811), or 290 (m. 173, f. 117) more than at the beginning; and the daily average under treatment during the year was 5,932 (m. 3,342, f. 2,590), or 222 (m. 127, f. 95) more than in the previous year; while the total under care was 7,363. Patients belonging to the Native race numbered 89 (m. 46, f. 43) at the end of the year.

The admissions numbered 1,095 (m. 621, f. 474), or 139 more (m. 72, f. 67) than in the previous year. Of these, 162 had been previously under care, making the proportion of readmissions 14·79 per cent., and 933 patients were admitted for the first time.

The ratio to population of all admissions (exclusive of Maoris) was 7·57 (m. 8·45, f. 6·66) to 10,000, and of first admissions 6·44 (m. 7·33, f. 5·51), so that 1,320 persons in the general population contributed one patient, and 1,552 contributed a patient admitted for the first time.

The discharges (excluding transfers) numbered 382, or 3 less than in 1929. 116 (or 20 more) harmless unrecovered persons were returned to the care of friends; and 266 (m. 138, f. 128) recovered—23 less than last year—representing a percentage of 24·29 (m. 22·22, f. 27·00) on the total admitted. With voluntary boarders added the percentage rises to 33·69. Altogether, 41·93 per cent. of the inmates admitted were able to leave institutional care.

Of a total of 7,363 patients under care, 423 (m. 251, f. 172) died, or 7·15 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, 23·40; disease of the brain and nervous system group, 22·46; heart-disease, 22·46; tuberculosis, 4·73.

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 divergencies 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 .. .. .	..	..	..	..	9·82	7·17	8·68
Congenital .. .. .	..	..	..	..	21·58	19·83	20·82
Predisposed by previous attack .. .. .	..	..	..	..	10·31	14·14	11·96
Critical periods .. .. .	..	..	..	..	15·94	29·11	21·64
Child-bearing (puerperal, non-septic, and lactation) .. .. .	..	..	..	..	..	1·48	0·64
Mental stress .. .. .	..	..	..	..	15·46	12·03	13·97
Toxic, including .. .. .	..	..	M.	F.			
Syphilis .. .. .	..	..	4·83	1·05	12·08	4·43	8·77
Alcohol .. .. .	..	..	7·25	2·11			
Drug habit .. .. .	..	..	..	0·63			
Traumatic .. .. .	..	..	..	..	0·64	..	0·37
Disorder of nervous system, including— .. .. .	..	..	M.	F.			
Epilepsy .. .. .	..	..	5·31	2·74	8·70	4·64	6·94
Other bodily affections .. .. .	..	..	..	..	3·86	4·43	4·11
No definite cause assigned .. .. .	..	..	..	..	1·61	2·74	2·10
					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
1913	..	..	..	18	19	37	0	2	2	18	21	39	2	5	7	0	1	1	12	12	24
1914	..	..	..	17	19	36	3	2	5	20	21	41	7	5	12	1	1	2	11	15	26
1915	..	..	..	15	17	32	1	2	3	16	19	35	3	4	7	0	1	1	8	14	22
1916	..	..	..	13	23	36	5	8	13	18	31	49	4	4	8	1	2	3	14	14	28
1917	..	..	..	14	21	35	1	13	14	15	34	49	6	6	12	0	1	1	10	23	33
1918	..	..	..	23	38	61	5	11	16	28	49	77	1	4	5	2	2	4	15	30	45
1919	..	..	..	31	39	70	5	19	24	36	58	94	3	3	6	0	2	2	26	42	68
1920	..	..	..	26	38	64	16	12	28	42	50	92	3	4	7	1	2	3	33	33	66
1921	..	..	..	39	39	78	11	15	26	50	54	104	2	3	5	5	1	6	38	41	79
1922	..	..	..	47	38	85	10	16	26	57	54	111	6	5	11	4	4	8	40	48	88
1923	..	..	..	44	50	94	15	21	36	59	71	130	3	6	9	3	3	6	47	47	94
1924	..	..	..	38	44	82	16	20	36	54	64	118	4	8	12	6	3	9	39	48	87
1925	..	..	..	64	59	123	15	34	49	79	93	172	10	15	25	6	3	9	60	63	123
1926	..	..	..	71	60	131	11	29	40	82	89	171	10	11	21	7	2	9	49	71	120
1927	..	..	..	70	70	140	25	32	57	95	102	197	8	6	14	5	12	17	75	58	133
1928	..	..	..	120	94	214	37	39	76	157	133	290	8	10	18	10	8	18	102	97	199
1929	..	..	..	102	63	165	50	43	93	152	106	258	11	3	14	9	9	18	119	110	229
1930	..	..	..	152	84	236	41	35	76	193	119	312	15	9	24	8	6	14	130	79	209
																			170	150	320

It will be noted that there were 312 voluntary admissions in the year under review, that 209 were discharged, and that 24 boarders, representing 7·7 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 4·9 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 1930 was 283 (m. 150, f. 133).

## MENTAL NURSES.

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

Auckland: First Grade—Elizabeth Eva Marks. Second Grade—Rita Edna Basham, Ivy Mary Coleman, Reginald John Grainger, Lucy King, Edgar Mawson Leuty, Margaret May Massey, James Mathews, Hugh Mulligan, Jean McKillen, Marshall Robinson, Patrick McNeill Robinson, George James Rose, Mary Kathleen Patricia Wall, John Watson.

Tokanui: Second Grade—George Clarence Hudson, Adam Tait Knox, Frederick Erastus Lehnndorf, Leonard Rycroft, Kathleen Marama Storey.

Porirua: First Grade—Winifred Cicely Flynn. Second Grade—Winifred Bessie Dickson, Leslie John Ell, Lily Lawson, Sophia Mary Logan, Isabel Dorothy Mair, Bridget Ellen McShane, Walter Roberts, Lionel Alfred Sharman, William Soutar, James Woods.

Christchurch: First Grade—Kathleen Myrtle Coghlan, Allan Joseph Marshall. Second Grade—Flora Margaret Akins, Samuel George Bossons, Juanita Northcote Clarke, Samuel Craig Ferguson, John Herbert Wood Freear, Rose May Freeman, Edith Gwendoline Gough, Charles Alexander Kerr Guy, Herbert Tamblyn Hirst, Amy Louisa Kathleen Hitchins, James Lightfoot, Edna Lucy Pollock, Thomas Simpson, George Way Townshend.

Nelson: Second Grade—George Ashworth, Elizabeth Maud Bailey, Thomas Malcolm Crombie, Mary Josephine Crowe, Dorothy Dibble, Constance Maud Minehan, Ida Heaton Moore, Mary Louisa Shield.

Seacliff: Second Grade—Mavis Rose Bennett, Agnes Annie Caskie, Patrick Early, Eva Joyce, Janet Gertrude Logie, Alice Christian Lothian, Edna Laidlaw Mathison, William Rogers, Ellen Scally, Maud Mabel Souquet, Ethel Szivak, Constance Marion Turner.

Hokitika: Second Grade—Mary Margaret Caliani, Margaret Anne Groufsky, Matthew Moynihan, Albert Edward Stevens, Doris Clara Williams.

Highest marks in written paper: Allan Joseph Marshall, Christchurch, 79.

Highest total marks for written, oral, and practical: Winifred Cicely Flynn, Porirua, 252. (Average, 84.)

APPENDIX.

TABLE I.—SHOWING THE ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS IN MENTAL HOSPITALS DURING THE YEAR 1930.

						M.	F.	T.	M.	F.	T.	
In mental hospitals, 1st January, 1930	..	..	..	..	..	..	..	..	3,399	2,694	6,093	
Admitted for the first time	..	..	..	..	..	539	394	933	}	621	474	1,095
Readmitted	..	..	..	..	..	82	80	162				
Total under care during the year						..	..	..	4,020	3,168	7,188	
Discharged and died—												
Recovered	..	..	..	..	..	138	128	266				
Relieved	..	..	..	..	..	28	34	62				
Not improved	..	..	..	..	..	31	23	54				
Died	..	..	..	..	..	251	172	423				
(Not including transfers—Males 25, females 150.)									448	357	805	
Remaining in mental hospitals, 31st December, 1930						..	..	..	3,572	2,811	6,383	
Increase over 31st December, 1929						..	..	..	173	117	290	
Average number resident during the year						..	..	..	3,342	2,590	5,932	

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 1930.

Mental Hospitals.		In Mental Hos- pitals on 1st January, 1930.			Admissions in 1930.									Total Number of Patients under Care.		
					Admitted for the First Time.			Not First Admission.			Transfers.					
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Auckland	..	692	569	1,261	101	90	191	28	17	45	7	4	11	828	680	1,508
Christchurch	..	468	492	960	119	105	224	18	21	39	4	4	8	609	622	1,231
Dunedin (Seacliff)	..	657	529	1,186	86	63	149	6	13	19	4	4	8	753	609	1,362
Hokitika	..	175	76	251	13	8	21	2	0	2	0	33	33	190	117	307
Nelson	..	284	128	412	54	10	64	1	0	1	1	0	1	340	138	478
Porirua	..	823	712	1,535	128	88	216	25	27	52	4	2	6	980	829	1,809
Tokanui	..	285	158	443	32	30	62	2	0	2	4	102	106	323	290	613
Ashburn Hall (private mental hospital)	..	15	30	45	6	0	6	0	2	2	1	1	2	22	33	55
Totals	..	3,399	2,694	6,093	539	394	933	82	80	162	25	150	175	4,045	3,318	7,363

Mental Hospitals.		Patients discharged, transferred, and died.												In Mental Hos- pitals on 31st December, 1930.					
		Discharged recovered.			Discharged not recovered.			Transferred.			Died.						Total discharged, transferred, and died.		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
Auckland	..	20	20	40	21	26	47	6	1	7	50	38	88	97	85	182	731	595	1,326
Christchurch	..	32	23	55	13	10	23	4	38	42	31	29	60	80	100	180	529	522	1,051
Dunedin (Seacliff)	..	13	12	25	9	10	19	1	0	1	72	24	96	95	46	141	658	563	1,221
Hokitika	..	6	3	9	2	0	2	0	2	2	6	3	9	14	8	22	176	109	285
Nelson	..	6	2	8	..	..	..	0	1	1	27	8	35	33	11	44	307	127	434
Porirua	..	59	57	107	12	8	20	8	105	113	55	56	111	125	226	351	855	603	1,458
Tokanui	..	10	9	19	1	3	4	5	1	6	8	13	21	24	26	50	299	264	563
Ashburn Hall (private mental hospital)	..	1	2	3	1	0	1	1	2	3	2	1	3	5	5	10	17	28	45
Totals	..	138	128	266	59	57	116	25	150	175	251	172	423	473	507	980	3,572	2,811	6,383

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	..	..	..	..	..	683	540	1,223	15.50	18.70	16.99	7.32	7.04	7.19
Christchurch	..	..	..	..	..	468	492	960	23.36	18.25	20.91	6.62	5.89	6.25
Dunedin (Seacliff)	..	..	..	..	..	635	524	1,159	14.13	15.78	14.88	11.33	4.60	8.28
Hokitika	..	..	..	..	..	171	75	246	40.00	37.50	39.13	3.50	4.00	3.66
Nelson	..	..	..	..	..	293	126	419	10.90	20.00	12.30	9.22	6.35	8.35
Porirua	..	..	..	..	..	790	558	1,348	32.67	49.56	39.92	6.97	10.03	8.23
Tokanui	..	..	..	..	..	285	245	530	29.41	30.00	29.68	2.80	5.30	3.90
Ashburn Hall (private mental hospital)	..	..	..	..	..	17	30	47	16.66	100.00	37.50	11.77	3.33	6.38
Totals	..	..	..	..	..	3,342	2,590	5,932	22.22	27.00	24.29	7.51	6.64	7.15

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	..	..	..	2	2	4	..	..	..	..	..	..	5	0	5	1	2	3	..	..	..	..	..	..	8	4	12
From 5 to 10 years	1	1	2	9	10	19	2	0	2	..	..	..	4	0	4	3	1	4	1	0	1	..	..	..	20	12	32
" 10 " 15 "	..	..	..	22	16	38	3	0	3	..	..	..	11	0	11	4	2	6	..	..	..	..	..	..	40	19	59
" 15 " 20 "	..	..	..	14	17	31	14	3	17	0	1	1	16	1	17	10	10	20	6	3	9	..	..	..	70	40	110
" 20 " 30 "	9	6	15	20	13	33	17	13	30	2	0	2	4	1	5	20	16	36	4	4	8	1	0	1	88	57	145
" 30 " 40 "	20	19	30	21	23	44	15	16	31	4	3	7	4	2	6	31	23	54	7	8	15	..	..	..	113	94	207
" 40 " 50 "	31	19	50	21	23	44	15	16	31	4	3	7	4	2	6	30	21	51	5	6	11	1	1	2	95	93	188
" 50 " 60 "	19	31	50	17	18	35	15	12	27	3	1	4	5	3	8	25	17	42	6	6	12	2	1	3	75	72	147
" 60 " 70 "	22	14	36	8	15	23	7	18	25	5	0	5	2	0	1	16	15	31	1	2	3	1	0	1	49	37	86
" 70 " 80 "	11	8	19	12	6	18	6	6	12	0	1	1	1	1	2	6	7	13	2	1	3	1	0	1	38	29	67
" 80 " 90 "	11	7	18	11	6	17	6	6	12	0	1	1	1	1	2	5	1	6	1	2	3	1	0	1	20	12	32
" 90 " 100 "	5	6	11	1	0	1	3	2	5	0	2	2	3	1	4	1	0	1	2	0	2	..	..	..	1	0	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1	..	..	..	..	..	..	4	5	9
Transfers	7	4	11	4	4	8	3	0	3	0	33	33	1	0	1	4	2	6	4	102	106	1	1	2	25	150	175
Totals	136	111	247	141	130	271	96	80	176	15	41	56	56	10	66	157	117	274	38	132	170	7	3	10	646	624	1,270

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)	45	36	81	36	21	57	35	61	96	6	5	11	8	1	9	86	59	145	21	22	43	4	0	4	241	205	446
Second class (first attack above 3 months and within 12 months on admission)	15	14	29	10	12	22	9	2	11	1	1	2	2	0	2	12	6	18	4	1	5	1	0	1	54	36	90
Third class (not first attack, and within 12 months on admission)	25	22	47	17	22	39	9	13	22	2	0	2	3	2	5	22	29	51	7	6	13	0	2	2	85	96	181
Fourth class (first attack or not, but of more than 12 months on admission)	33	26	59	74	71	145	39	0	39	6	2	8	42	7	49	33	21	54	2	1	3	1	0	1	230	128	358
Unknown	11	9	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	9	20
Transfers	7	4	11	4	4	8	4	4	8	0	33	33	1	0	1	4	2	6	4	102	106	1	1	2	25	150	175
Totals	136	111	247	141	130	271	96	80	176	15	41	56	56	10	66	157	117	274	38	132	170	7	3	10	646	624	1,270

TABLE V.—AGES OF PATIENTS DISCHARGED "RECOVERED" AND "NOT RECOVERED" DURING THE YEAR 1930.

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.	
Under 5 years	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.	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 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15 20 "	2 1 3	3 3 0	3 2 0	2 1 1	2 ..	2 0 2	..	..	..	..	..	..	..	..	..	..	..
20 25 "	5 2 7	4 5 8	3 11	1 0 1	4 5 9	..	1 2 3	..	..	..	..	..	..	..	..	..	..
25 30 "	2 3 5	4 4 6	8 10 9	7 3 10	2 3 5	2 4 6	3 1 0	1 ..	1 0 1	..	..	..	..	..	..	..	..
30 40 "	4 11 15	7 6 13	5 6 11	0 3 3	3 3 4	2 2 4	1 0 1	..	3 2 5	..	..	..	..	..	..	..	..
40 50 "	5 0 5	4 6 10	3 3 6	0 3 3	2 2 4	2 2 4	2 1 0	1 ..	..	..	..	..	..	..	..	..	..
50 60 "	2 0 2	2 4 6	3 2 5	..	2 1 3	0 3 3	..	..	..	..	..	..	..	..	..	..	..
60 70 "	0 1 1	0 1 1	1 0 1	1 1 2	..	1 0 1	..	..	..	..	..	..	..	..	..	..	..
70 80 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
80 90 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
90 100 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	0 2 2	..	..	..	2 1 3	..	..	..	..	..	..	..	..	..	..	..	..
Transfers	..	6 1 7	..	4 38 42	..	1 0 1	..	0 2 2	..	0 1 1	..	8 105 113	..	5 1 6	1 2 3	..	25 150 175
Totals	20 20 40	27 27 54	32 23 55	17 48 65	13 12 25	10 10 20	6 3 9	2 2 4	6 2 8	0 1 1	150 57 107	20 113 133	10 9 19	6 4 10	1 2 3	2 4 138	266 84 207 291

TABLE VI.—AGES OF PATIENTS WHO DIED.

[illegible]

TABLE VII.—CONDITION AS TO MARRIAGE.

						Admissions.			Discharges.			Deaths.		
						M.	F.	T.	M.	F.	T.	M.	F.	T.
AUCKLAND—						67	40	107	20	17	37	19	17	36
Single ..	..	..	..	..	..	51	45	96	19	19	38	22	12	34
Married ..	..	..	..	..	..	10	20	30	0	7	7	8	9	17
Widowed ..	..	..	..	..	..	1	2	3	2	3	5	1	0	1
Unknown ..	..	..	..	..	..	7	4	11	6	1	7	..	..	..
Transfers ..	..	..	..	..	..	136	111	247	47	47	94	50	38	88
Totals ..	..	..	..	..	..									
CHRISTCHURCH—						90	71	161	27	12	39	20	12	32
Single ..	..	..	..	..	..	42	43	85	17	18	35	9	12	21
Married ..	..	..	..	..	..	5	12	17	1	3	4	2	5	7
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	4	4	8	4	38	42	..	..	..
Transfers ..	..	..	..	..	..	141	130	271	49	71	120	31	29	60
Totals ..	..	..	..	..	..									
DUNEDIN (SEACLIFF)—						65	27	92	14	10	24	41	9	50
Single ..	..	..	..	..	..	21	39	60	6	8	14	18	6	24
Married ..	..	..	..	..	..	6	10	16	2	4	6	13	9	22
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	4	4	8	1	0	1	..	..	..
Transfers ..	..	..	..	..	..	96	80	176	23	22	45	72	24	96
Totals ..	..	..	..	..	..									
HOKITIKA—						11	4	15	6	1	7	3	0	3
Single ..	..	..	..	..	..	4	2	6	2	2	4	3	1	4
Married ..	..	..	..	..	..	0	2	2	..	..	..	0	2	2
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	0	33	33	0	2	2	..	..	..
Transfers ..	..	..	..	..	..	15	41	56	8	5	13	6	3	9
Totals ..	..	..	..	..	..									
NELSON—						46	6	52	4	0	4	19	4	23
Single ..	..	..	..	..	..	9	3	12	2	2	4	6	4	10
Married ..	..	..	..	..	..	0	1	1	..	..	..	2	0	2
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	1	0	1	0	1	1	..	..	..
Transfers ..	..	..	..	..	..	56	10	66	6	3	9	27	8	35
Totals ..	..	..	..	..	..									
PORIRUA—						86	55	141	41	25	66	27	19	46
Single ..	..	..	..	..	..	53	44	97	21	34	55	19	21	40
Married ..	..	..	..	..	..	14	16	30	0	6	6	9	16	25
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	4	2	6	8	105	113	..	..	..
Transfers ..	..	..	..	..	..	157	117	274	70	170	240	55	56	111
Totals ..	..	..	..	..	..									
TOKANUI—						20	6	26	8	6	14	6	3	9
Single ..	..	..	..	..	..	12	22	34	3	4	7	2	8	10
Married ..	..	..	..	..	..	2	2	4	0	2	2	0	2	2
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	4	102	106	5	1	6	..	..	..
Transfers ..	..	..	..	..	..	38	132	170	16	13	29	8	13	21
Totals ..	..	..	..	..	..									
ASHBURN HALL—						4	2	6	2	2	4	1	0	1
Single ..	..	..	..	..	..	2	0	2	..	..	..	1	1	2
Married ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Widowed ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	1	1	2	1	2	3	..	..	..
Transfers ..	..	..	..	..	..	7	3	10	3	4	7	2	1	3
Totals ..	..	..	..	..	..									
TOTALS—						389	211	600	122	73	195	136	64	200
Single ..	..	..	..	..	..	194	198	392	70	87	157	80	65	145
Married ..	..	..	..	..	..	37	63	100	3	22	25	34	43	77
Widowed ..	..	..	..	..	..	1	2	3	2	3	5	1	0	1
Unknown ..	..	..	..	..	..	25	150	175	25	150	175	..	..	..
Transfers ..	..	..	..	..	..	646	624	1,270	222	335	557	251	172	423
Totals ..	..	..	..	..	..									

TABLE VIII.—NATIVE COUNTRIES.

Countries.	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.
England and Wales	118	86	204	71	74	145	77	50	127	39	12	51	24	10	34	170	86	256	59	32	91	4	4	8	562	354	916
Scotland	28	15	43	24	17	41	56	43	99	6	2	8	14	5	19	40	29	69	22	7	29	3	0	3	193	118	311
Ireland	47	38	85	20	24	44	38	40	78	16	8	24	10	2	12	47	44	91	16	19	35	1	0	1	195	175	370
New Zealand	378	371	749	394	376	770	445	394	839	82	72	154	243	96	339	492	389	881	160	186	346	9	22	31	2,203	1,906	4,109
Australian States	41	28	69	11	16	27	17	23	40	11	5	16	4	5	9	30	22	52	11	11	22	0	2	2	125	112	237
France	0	1	1	1	1	2	3	0	3	1	0	1	1	0	1	0	1	1	3	0	3	..	..	..	4	2	6
Germany	6	1	7	1	1	2	3	0	3	1	0	1	1	0	2	4	1	5	3	1	4	..	..	..	19	4	23
Austria	32	5	37	0	2	2	1	0	1	..	..	1	2	0	2	3	1	4	5	0	5	..	..	..	40	7	47
Norway	3	0	3	3	0	1	1	..	3	1	0	1	0	0	1	4	1	5	2	0	2	..	..	..	9	2	11
Sweden	5	1	6	2	0	2	3	0	3	2	0	2	1	0	1	3	1	5	0	1	1	..	..	..	17	3	20
Denmark	2	0	2	2	0	2	1	1	2	3	0	3	1	0	1	7	2	9	2	0	2	..	..	..	18	3	21
Italy	2	3	5	..	..	..	1	0	1	2	0	2	..	..	..	5	2	7	2	0	2	..	..	..	12	5	17
China	..	..	..	..	..	..	1	0	1	1	0	1	..	..	..	4	1	5	..	..	..	..	..	..	6	1	7
Maoris	18	23	41	1	1	2	7	5	12	1	0	1	..	..	..	22	15	37	4	4	8	..	..	..	46	43	89
Other countries	26	10	36	3	10	13	8	7	15	4	10	14	6	9	15	20	4	24	10	3	13	..	..	..	73	32	105
Unknown	25	13	38	..	..	..	..	..	..	..	..	..	..	..	..	7	5	12	..	..	..	..	..	..	50	44	94
Totals	731	595	1,326	529	522	1,051	658	563	1,221	176	109	285	307	127	434	855	603	1,458	299	264	563	17	28	45	3,572	2,811	6,383

TABLE IX.—AGES OF PATIENTS ON 31ST DECEMBER, 1930.

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.
From 1 to 5 years	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 5 " 10 "	2	3	5	16	10	26	4	3	7	0	3	3	24	0	24	3	2	5	2	2	4	..	..	..	9	6	15
" 10 " 15 "	1	6	7	41	28	69	4	2	6	..	..	..	45	2	47	6	14	20	1	1	2	..	..	..	50	24	74
" 15 " 20 "	24	14	38	33	26	59	26	15	41	2	2	4	63	7	70	25	23	48	9	8	17	..	..	..	98	56	154
" 20 " 30 "	66	67	133	73	45	118	108	35	143	11	11	22	36	15	51	98	58	156	25	22	47	0	1	1	417	254	671
" 30 " 40 "	146	104	250	95	68	163	116	89	205	17	14	31	28	19	47	157	108	265	35	46	81	3	1	4	597	449	1,046
" 40 " 50 "	162	134	296	107	109	216	139	128	267	52	23	75	37	18	55	209	141	350	70	70	140	2	2	5	778	631	1,409
" 50 " 60 "	157	130	287	76	119	195	122	140	262	43	33	76	24	19	43	184	118	302	83	57	140	2	2	7	691	621	1,312
" 60 " 70 "	89	70	159	43	81	124	82	104	186	37	13	50	30	28	58	106	79	185	46	38	84	3	5	13	439	420	859
" 70 " 80 "	53	42	95	37	25	62	39	36	75	7	3	10	13	12	25	48	40	88	17	15	32	3	5	8	217	178	395
" 80 " 90 "	12	11	23	5	8	13	8	8	16	3	2	5	5	5	10	16	14	30	5	0	5	1	1	2	55	49	104
Upwards of 90 "	1	0	1	0	1	1	1	0	1	0	1	1	1	..	3	1	0	1	..	..	11	..	..	..	3	2	5
Unknown	18	14	32	..	..	..	7	1	8	4	4	8	1	2	3	..	..	..	6	5	11	..	..	..	36	26	62
Totals	731	595	1,326	529	522	1,051	658	563	1,221	176	109	285	307	127	434	855	603	1,458	299	264	563	17	28	45	3,572	2,811	6,383



TABLE X.—LENGTH OF RESIDENCE OF PATIENTS WHO DIED DURING 1930.

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.	
Under 1 month	7	4	11	0	2	2	5	6	11	4	0	4	1	3	4	8	21	19	40	30	15	45	14	3	17
From 1 to 3 months	9	2	11	3	2	5	6	1	7	4	4	8	0	1	1	15	15	45	13	8	21	7	11	18	
" 3 " 6 "	0	2	2	2	1	3	3	1	4	1	..	..	1	0	1	10	8	18	13	8	21	14	3	17	
" 6 " 9 "	6	1	7	..	..	..	2	1	3	2	0	1	1	2	..	6	4	10	1	0	1	1	0	1	
" 9 " 12 "	1	2	3	1	1	2	2	1	3	..	0	1	1	..	..	5	0	5	..	..	..	1	1	2	
" 1 " 2 years	5	3	8	3	1	4	3	2	5	1	..	1	0	1	..	2	5	7	1	1	2	1	2	3	
" 2 " 3 "	1	3	4	2	3	5	3	2	5	1	3	0	3	..	..	9	4	13	1	1	2	2	11	33	
" 3 " 5 "	5	3	8	2	1	3	5	1	6	..	3	0	3	..	..	4	5	9	2	0	2	11	12	23	
" 5 " 7 "	2	2	4	5	3	8	2	1	3	1	0	1	..	..	..	4	5	9	0	1	1	19	10	29	
" 7 " 10 "	2	2	4	2	5	7	4	0	4	1	0	1	..	..	..	0	6	8	1	0	1	16	14	30	
" 10 " 12 "	..	..	..	2	0	2	2	0	2	..	0	1	..	..	..	1	0	1	1	0	1	15	13	28	
" 12 " 15 "	2	2	4	5	2	7	5	3	8	1	0	1	1	1	..	3	3	6	0	1	1	6	0	6	
Over 15 years	5	10	15	4	8	12	29	5	34	0	1	1	3	10	..	6	5	11	1	1	2	16	12	28	
Died while absent on trial	5	2	7	..	..	..	1	0	1	..	0	1	1	..	..	1	2	3	1	1	..	53	39	92	
Totals	50	38	88	31	29	60	72	24	96	6	3	9	27	8	35	55	56	111	8	13	21	251	172	423	

3—H. 7.

TABLE XI.—LENGTH OF RESIDENCE OF PATIENTS DISCHARGED "RECOVERED" DURING 1930.

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.			
Under 1 month	2	3	5	1	0	1	3	3	6	5	0	5	2	2	4	6	2	8	1	1	2	3	2	5			
From 1 to 3 months	4	5	9	8	6	14	3	4	7	0	2	2	1	0	1	6	9	15	1	0	1	27	15	42			
" 3 " 6 "	3	4	7	9	5	14	3	4	7	0	2	2	1	0	1	6	9	15	0	1	1	26	28	54			
" 6 " 9 "	3	4	7	1	1	6	2	1	3	..	..	..	..	..	..	11	7	18	0	1	1	21	21	42			
" 9 " 12 "	6	4	10	1	1	2	1	2	3	..	..	..	..	..	..	2	8	10	..	..	..	11	17	28			
" 1 " 2 years	5	4	9	11	5	16	2	0	2	..	..	..	..	2	0	13	11	24	0	2	3	33	22	55			
" 2 " 3 "	..	..	..	..	..	..	2	0	2	1	0	1	7	8	15	10	8	18	..	..	..	10	8	18			
" 3 " 5 "	..	..	..	..	..	..	0	2	2	1	1	2	3	7	10	4	10	14	..	..	..	4	10	14			
" 5 " 7 "	..	..	..	1	0	1	..	..	..	..	..	..	1	1	2	2	1	3	..	..	..	2	1	3			
" 7 " 10 "	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	1	1	2	..	..	..	1	1	2			
" 10 " 12 "	..	..	..	..	..	..	..	..	..	..	..	..	0	2	2	0	2	2	..	..	..	0	2	2			
" 12 " 15 "	..	..	..	..	..	..	..	..	..	..	..	..	0	1	1	0	1	1	..	..	..	0	1	1			
Over 15 years	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Totals	20	20	40	32	23	55	13	12	25	6	3	9	6	2	8	50	57	107	10	9	19	1	2	3	138	128	266

TABLE XII.—CAUSES OF DEATH, 1930.

Causes.	Auckland.	Christchurch.	Dunedin (Seaciff).	Hokitika.	Nelson.	Portus.	Tokanui.	Asidburn 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 .. .. .	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Of lungs .. .. .	2 5	2 1	1 0	.. ..	.. ..	1 4	0 1	.. ..	6 11
Of spine .. .. .	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Of larynx .. .. .	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Cancer .. .. .	1 2	3 1	2 1	.. ..	1 0	1 1	0 1	.. ..	8 6
Dysentery, bacillary .. .. .	2 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	2 0
Purpura rheumatica .. .. .	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Toxæmia .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	.. ..	0 1
Graves's disease .. .. .	0 1	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 2
Pernicious anæmia .. .. .	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	1 0
Diabetes .. .. .	.. ..	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
Erysipelas .. .. .	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	1 0
II. DISEASES OF THE NERVOUS SYSTEM.									
Mania, exhaustion from .. .. .	1 2	.. ..	0 2	.. ..	.. ..	2 0	.. ..	.. ..	3 4
Melancholia, exhaustion from .. .. .	0 2	1 0	0 1	.. ..	.. ..	0 1	.. ..	.. ..	1 4
Stupor, exhaustion from .. .. .	1 0	0 1	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	2 1
General paralysis of insane .. .. .	5 0	3 2	3 1	.. ..	0 1	11 1	0 1	.. ..	22 6
Tabo-paresis .. .. .	2 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	2 0
Organic brain-disease .. .. .	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Epilepsy .. .. .	1 2	1 4	6 1	.. ..	4 0	1 10	1 0	.. ..	14 17
Cerebral hæmorrhage .. .. .	.. ..	1 0	5 3	.. ..	1 0	2 2	1 0	.. ..	10 5
Cerebral abscess .. .. .	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
Chorea .. .. .	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Myoclonus .. .. .	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
III. DISEASES OF THE RESPIRATORY SYSTEM.									
Pneumonia .. .. .	.. ..	1 0	14 1	.. ..	11 2	4 4	0 1	.. ..	30 8
Pleurisy .. .. .	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	.. ..	.. ..	0 1
Bronchitis .. .. .	1 0	.. ..	2 0	.. ..	1 1	3 1	.. ..	.. ..	7 2
Gangrene of lungs .. .. .	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
Pulmonary hæmorrhage .. .. .	.. ..	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
IV. DISEASES OF THE CIRCULATORY SYSTEM.									
Heart-disease .. .. .	8 11	5 6	10 8	2 0	5 1	18 19	0 2	.. ..	48 47
Arterio-sclerosis .. .. .	2 2	0 2	2 0	.. ..	.. ..	.. ..	.. ..	.. ..	4 4
V. DISEASES OF THE DIGESTIVE SYSTEM.									
Peritonitis .. .. .	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Intestinal obstruction .. .. .	.. ..	2 0	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	2 1
Pyloric obstruction .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	1 0
Gastritis .. .. .	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	.. ..	.. ..	0 1
VI. DISEASES OF THE GENITO-URINARY SYSTEM.									
Nephritis .. .. .	1 3	.. ..	1 0	2 0	.. ..	1 0	.. ..	.. ..	5 3
VII. DISEASES OF THE BONES.									
Osteomyelitis .. .. .	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
VIII. OLD AGE.									
Senile decay .. .. .	14 4	10 10	23 3	0 3	3 0	8 9	3 6	2 1	63 36
IX. EXTERNAL CAUSES.									
Shock from burns .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	.. ..	0 1
Suicide .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	2 0	.. ..	.. ..	2 0
Asphyxia .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	0 1
Fracture of skull .. .. .	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	1 0
X. DIED WHILE ON TRIAL .. .. .	5 2	.. ..	1 0	.. ..	0 1	1 2	1 0	.. ..	8 5
Totals .. .. .	50 38	31 29	72 24	6 3	27 8	55 56	8 13	2 1	251 172

TABLE XIII.—PRINCIPAL ASSIGNED CAUSES OF INSANITY, 1930.

Causes.	Auckland.	Christ- church.	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 .. ..	9 10	22 18	3 2	..	19 1	4 3	3 0	1 0	61 34
Congenital .. ..	13 15	49 52	30 11	3 1	16 1	21 13	1 1	1 0	134 94
Previous attack ..	17 13	6 11	10 13	1 0	..	30 27	0 1	0 2	64 67
Puberty or adolescence ..	2 1	10 4	..	1 1	..	6 9	3 2	..	22 17
Climacteric .. ..	0 11	0 14	0 12	0 1	..	0 8	0 2	..	0 48
Senility .. ..	16 18	18 15	11 12	0 3	6 2	18 17	4 1	1 0	74 68
Involution .. ..	2 5	..	..	1 0	..	..	..	..	3 5
Puerperal .. ..	0 1	0 1	0 1	..	..	0 1	0 2	..	0 6
Pregnancy .. ..	..	..	..	..	..	..	0 1	..	0 1
Mental stress .. ..	34 17	7 2	3 5	3 1	3 1	38 19	7 12	1 0	96 57
Alcohol .. ..	4 2	11 4	9 1	5 0	6 1	8 2	1 0	1 0	45 10
Syphilis .. ..	10 1	8 0	1 1	..	0 1	8 2	3 0	..	30 5
Cerebral hæmorrhage ..	..	..	..	..	..	0 1	..	1 0	1 1
Arterio-sclerosis .. ..	7 3	1 0	2 0	..	..	..	..	..	10 3
Organic brain-disease ..	0 2	1 0	2 2	..	..	..	..	..	3 4
Post-operative .. ..	..	..	1 0	..	..	..	..	..	1 0
Traumatic .. ..	3 0	..	..	..	1 0	..	..	..	4 0
Epilepsy .. ..	10 3	4 2	7 3	1 0	..	10 5	1 0	..	33 13
Encephalitis .. ..	1 0	..	2 1	..	..	3 0	..	..	6 1
Influenza .. ..	..	..	1 0	..	..	..	..	..	1 0
Phthisis .. ..	0 1	..	..	..	..	..	..	..	0 1
Ill health .. ..	0 2	0 2	4 0	..	..	3 4	11 7	..	18 15
Toxic .. ..	..	..	..	0 1	..	0 2	..	..	0 3
Exophthalmic goitre ..	..	..	0 2	..	..	..	..	..	0 2
Heart-disease .. ..	..	..	..	..	..	..	0 1	..	0 1
Diabetes .. ..	..	..	..	..	..	1 0	..	..	1 0
Insomnia .. ..	..	..	..	..	0 1	..	..	..	0 1
Privation .. ..	..	..	..	..	..	3 1	..	..	3 1
Drug habit .. ..	0 1	0 1	..	..	..	0 1	..	..	0 3
Myelitis .. ..	..	..	..	..	1 0	..	..	..	1 0
Unknown .. ..	1 1	..	6 10	..	3 2	..	..	..	10 13
Transfers .. ..	7 4	4 4	4 4	0 33	1 0	4 2	4 102	1 1	25 150
Totals .. ..	136 111	141 130	96 80	15 41	56 10	157 117	38 132	7 3	646 624

TABLE XIV.—FORMER OCCUPATIONS OF PATIENTS.

Occupations.										Occupations.									

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.			Recovered.			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	79	208	25	17	8	25	36	12	48	482	254	736	257	748	54.53	66.01	57.56	8.21	3.58	6.70		
1876	250	112	362	123	180	20	20	5	25	42	21	63	519	264	783	401	748	54.53	66.01	57.56	8.21	3.58	6.70		
1877	247	131	378	121	189	14	14	8	28	51	17	68	638	319	957	541	818	49.20	50.80	49.72	7.76	7.58	7.70		
1878	248	151	399	112	168	13	15	4	28	55	16	71	695	361	1,056	601	904	48.98	51.90	50.00	8.48	5.61	7.52		
1879	229	149	378	100	167	13	36	2	26	54	20	74	739	396	1,125	666	1,003	45.16	50.33	47.11	8.25	4.74	7.07		
1880	232	127	359	93	158	41	36	7	21	49	14	63	709	406	1,175	747	1,074	43.66	44.96	44.17	7.68	5.29	6.89		
1881	257	152	419	95	154	32	49	2	38	60	19	79	827	442	1,269	388	1,135	40.08	51.10	44.01	6.29	3.60	5.35		
1882	255	166	421	102	180	33	20	6	43	65	18	83	892	483	1,375	421	1,217	35.58	38.81	36.75	7.53	4.51	6.49		
1883	238	153	391	89	166	26	17	11	26	68	24	92	938	514	1,452	475	1,335	40.00	46.98	42.75	7.55	3.78	6.21		
1884	246	133	379	95	171	9	5	12	15	73	22	95	981	542	1,523	528	1,493	38.62	57.14	45.12	7.56	4.16	6.36		
1885	207	165	372	99	160	17	17	7	18	76	19	76	1,009	604	1,613	559	1,543	47.82	36.36	42.74	5.79	3.39	4.91		
1886	255	161	416	103	181	34	17	5	51	74	27	101	1,053	643	1,696	613	1,647	40.39	48.75	43.61	7.15	4.40	6.13		
1887	215	146	361	116	192	28	31	3	59	70	30	100	1,041	640	1,681	641	1,686	33.95	63.01	57.62	7.56	4.65	6.16		
1888	230	161	391	93	146	31	30	4	61	73	35	111	1,074	687	1,761	660	1,707	40.43	32.92	37.34	6.69	4.54	5.86		
1889	230	160	390	98	186	23	17	5	40	76	35	111	1,095	702	1,797	683	1,763	42.61	55.00	47.69	7.05	5.11	6.29		
1890	234	171	405	88	165	24	33	14	57	79	41	120	1,115	734	1,849	699	1,789	37.61	43.27	40.00	7.25	5.86	6.71		
1891	231	158	389	89	176	17	21	8	38	86	32	118	1,154	763	1,917	714	1,839	38.53	48.10	42.42	6.58	4.76	5.87		
1892	281	179	460	101	189	12	17	3	43	101	42	143	1,223	810	2,039	846	2,162	41.67	46.66	43.64	7.69	4.94	6.61		
1893	270	176	446	107	183	15	11	9	26	86	32	118	1,308	860	2,168	812	2,063	39.63	43.13	41.03	6.66	3.03	5.23		
1894	252	165	417	105	172	12	19	4	43	101	42	143	1,329	885	2,214	846	2,162	41.67	46.66	43.64	7.69	4.94	6.61		
1895	278	159	437	104	174	16	25	1	41	86	32	118	1,390	925	2,315	846	2,162	41.67	46.66	43.64	7.69	4.94	6.61		
1896	284	193	477	102	173	12	17	3	29	105	43	148	1,440	990	2,430	944	2,355	35.92	37.82	36.69	7.44	4.55	6.28		
1897	254	212	466	114	110	224	13	23	36	88	60	148	1,472	1,008	2,480	973	2,411	44.88	51.89	48.07	6.12	6.17	6.14		
1898	259	199	458	88	99	187	15	19	34	114	43	157	1,512	1,045	2,557	1,004	2,491	33.98	49.49	40.83	7.67	4.28	6.30		
1899	300	202	502	103	96	199	29	10	39	99	46	145	1,581	1,091	2,672	1,049	2,583	34.33	47.54	39.64	6.45	4.38	5.61		
1900	320	223	543	125	104	229	20	17	37	102	72	174	1,654	1,119	2,773	1,094	2,716	39.06	46.64	42.17	6.29	6.58	6.41		
1901	352	192	544	135	99	234	26	15	41	120	55	175	1,715	1,133	2,848	1,114	2,785	38.35	51.56	43.01	7.18	4.94	6.28		
1902	355	226	581	144	101	245	26	24	50	120	44	173	1,771	1,188	2,959	1,114	2,785	38.35	51.56	43.01	7.18	4.94	6.28		
1903	355	226	581	144	101	245	26	24	50	120	44	173	1,771	1,188	2,959	1,114	2,785	38.35	51.56	43.01	7.18	4.94	6.28		
1904	382	236	618	157	106	263	24	11	35	120	70	190	1,801	1,237	3,038	1,180	2,978	47.39	44.91	46.30	6.74	5.84	6.38		
1905	360	251	611	149	121	270	29	24	53	147	67	214	1,836	1,276	3,112	1,196	3,028	41.39	48.21	44.19	8.18	5.44	7.07		
1906	395	264	659	157	126	283	28	22	50	146	85	231	1,900	1,306	3,206	1,263	3,088	39.75	47.73	42.94	8.01	6.71	7.48		
1907	359	241	600	160	139	299	22	13	35	168	64	232	1,909	1,331	3,240	1,263	3,088	39.75	47.73	42.94	8.01	6.71	7.48		
1908	426	318	744	180	146	326	9	12	21	148	74	222	1,997	1,417	3,414	1,263	3,088	39.75	47.73	42.94	8.01	6.71	7.48		
1909	419	297	716	179	170	349	17	11	28	136	68	204	2,083	1,465	3,548	1,263	3,088	39.75	47.73	42.94	8.01	6.71	7.48		
1910	474	314	788	182	145	327	29	27	56	186	97	283	2,160	1,510	3,670	1,263	3,088	39.75	47.73	42.94	8.01	6.71	7.48		
1911	448	317	765	163	168	331	23	16	39	198	105	303	2,220	1,536	3,756	1,405	3,473	38.40	46.18	41.50	9.17	6.71	8.15		
1912	468	381	849	184	141	325	17	44	61	193	87	280	2,273	1,640	3,913	1,446	3,697	40.17	37.01	38.74	8.99	5.61	7.57		
1913	466	318	784	175	162	337	35	48	83	196	111	307	2,332	1,632	3,964	1,446	3,697	40.17	37.01	38.74	8.99	5.61	7.57		
1914	509	359	868	207	162	369	27	29	56	193	88	281	2,408	1,703	4,111	1,446	3,697	40.17	37.01	38.74	8.99	5.61	7.57		
1915	450	361	811	202	157	359	26	32	58	172	112	284	2,448	1,752	4,200	1,446	3,697	40.17	37.01	38.74	8.99	5.61	7.57		
1916	518	361	879	160	171	331	35	34	69	209	80	289	2,555	1,820	4,375	1,446	3,697	40.17	37.01	38.74	8.99	5.61	7.57		

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—continued.

Year.	Admitted.			Recovered.			Discharged. Relieved.			Not Improved.			Died.	Remaining, 31st December in each Year.			Average Numbers resident.			Percentage of Recoveries on Admissions.			Percentage of Deaths on Average Numbers resident.				
																										Discharged.	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		
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	2,667	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	261	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	152	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	15	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	5,902	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
	19,708	14,367	34,075	7,382	6,202	13,584	1,405	1,292	2,697	434	320	754	7,397	3,996	11,393												

Excluding transfers between institutions—1,664 males, 1,214 females.

TABLE XVI.—SHOWING THE ADMISSIONS, DISCHARGES, AND DEATHS FROM 1ST JANUARY, 1876, TO 31ST DECEMBER, 1930 (EXCLUDING TRANSFERS).

In hospitals, 31st December, 1875						M.	F.	T.
Admissions .. .. .						482	254	736
						19,708	14,367	34,075
						20,190	14,621	34,811
Discharged—								
Recovered .. .. .						7,382	6,202	13,584
Relieved .. .. .						1,405	1,292	2,697
Not improved .. .. .						434	320	754
Died .. .. .						7,397	3,996	11,393
						16,618	11,810	28,428
Remaining on 31st December, 1930 .. .. .						3,572	2,811	6,383

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

						Males.	Females.	Both Sexes.
Recovered .. .. .						36.08	42.41	39.02
Relieved .. .. .						6.99	8.83	7.75
Not improved .. .. .						2.15	2.18	2.16
Died .. .. .						36.63	27.33	32.73
Remaining .. .. .						18.15	19.25	18.34
						100.00	100.00	100.00

TABLE XVIII.—DEBITS FOR THE FINANCIAL YEAR, 1930-31.

	Auckland.		Christchurch.		Dunedin.		Hokitika.		Nelson.		Portra.		Tolamui.		Head Office.		Total.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Salaries ..	43,427	18 9	46,860	6 5	57,629	9 8	14,884	1 6	21,487	2 4	55,292	3 0	24,110	10 5	8,173	3 8	271,864	15 9
Official Visitors ..	52	10 0	31	10 0	..	..	10	10 0	..	..	41	13 4	6	5 0	..	..	142	8 4
Advertising, books, &c.	3	4 9	7	8 9	22	15 0	11	15 9	4	1 0	10	1 0	4	2 0	36	4 1	99	12 4
Bacteriological research ..	..	..	5	19 0	..	..	0	10 6	0	10 6	25	13 10	..	..	..	..	32	13 10
Bedding and clothing ..	5,049	7 0	4,686	19 3	6,086	11 10	625	19 10	1,262	1 10	7,847	10 6	2,150	1 11	..	..	27,708	12 2
Buildings, including additions, &c.	1,151	8 0	1,346	0 10	1,257	9 1	350	0 10	394	10 8	1,115	8 8	790	4 8	..	..	6,405	2 9
Dental services ..	15	1 1	31	11 7	6	11 4	14	0 0	4	13 0	1,68	12 6	20	4 0	580	6 2	740	19 3
Farms, maintenance of ..	816	5 9	2,709	4 1	1,624	13 1	295	12 10	1,145	1 11	1,638	0 7	1,750	17 0	..	..	9,979	15 3
Fencing, draining, and roading ..	67	8 10	45	5 2	111	13 0	194	13 11	74	6 9	288	8 5	768	5 7	..	..	1,550	1 8
Freight, cartage, and transport ..	131	1 9	257	9 11	502	10 0	30	11 11	180	14 8	378	17 8	233	16 5	0	11 0	1,715	13 4
Fuel, light, water, &c. ..	6,435	13 1	6,628	8 0	6,855	17 8	1,132	19 10	2,793	19 7	5,724	0 8	2,991	1 3	64	1 1	32,626	1 2
Funeral expenses ..	86	5 0	64	0 0	89	12 8	5	0 0	70	15 0	86	12 6	42	15 0	..	..	445	0 2
Furniture and furnishings ..	840	2 3	353	3 7	617	12 10	18	12 0	64	14 0	639	8 1	209	1 10	17	10 0	2,760	4 7
Gardens and shrubberies ..	47	7 9	87	0 1	21	16 9	2	4 7	19	0 8	98	5 6	25	2 8	..	..	300	18 0
Laundry ..	411	8 6	281	13 9	1,115	2 10	928	10 6	181	11 1	321	1 1	275	0 5	..	..	3,514	8 2
Legal and inquiry costs ..	4	15 0	4	4 0	5	18 0	..	..	..	..	10	10 0	..	..	..	..	25	7 0
Machinery, repairs, and stores ..	116	6 3	158	5 10	314	19 0	4	1 10	30	15 10	116	12 1	153	15 5	..	..	895	0 3
Medical fees ..	571	9 0	486	5 0	360	19 0	32	2 0	87	2 4	650	19 6	139	15 0	..	..	2,328	11 10
Motor-vehicles, maintenance of ..	61	18 11	233	6 4	407	12 1	70	0 4	107	3 10	227	10 7	213	15 2	..	..	1,321	7 3
Motor-vehicles, purchase of ..	..	..	282	17 8	135	1 10	132	7 0	..	..	..	..	..	..	..	..	550	6 6
Nursing staff uniforms ..	223	6 2	300	2 5	327	18 7	164	8 6	83	3 1	424	8 5	124	1 0	..	..	1,647	8 2
Office equipment ..	0	14 0	13	18 8	..	..	21	9 5	3	2 0	0	18 7	25	13 7	9	16 10	75	13 1
Patients, expenses connected with—																		
Gratuities ..	88	12 4	28	2 7	120	11 9	43	5 2	173	12 0	91	19 4	27	5 5	..	..	573	8 7
Friends ..	..	..	..	..	100	0 0	..	..	..	..	..	..	..	..	..	..	100	0 0
Recreation ..	1,891	12 10	1,445	5 2	2,530	0 5	273	3 9	434	10 4	2,722	15 0	592	0 10	..	..	9,889	8 4
Transfers ..	32	14 2	83	10 1	7	12 6	0	8 6	35	2 0	85	16 8	4	19 2	..	..	250	3 1
Postages, telegrams, &c. ..	112	6 2	106	11 3	107	3 6	20	7 6	39	8 0	152	7 4	62	0 11	209	3 7	809	8 3
Printing and stationery ..	247	16 3	183	10 9	153	0 8	40	7 3	59	11 2	196	9 10	86	16 4	126	12 11	1,094	5 2
Rations ..	15,711	4 2	13,556	1 2	17,913	12 0	4,807	9 6	5,936	2 4	19,367	8 7	6,695	9 8	..	..	83,987	7 5
Rents and rates ..	..	..	2,057	9 9	6	17 6	..	..	2	5 1	..	..	..	..	781	17 2	2,848	9 6
Stores ..	562	15 10	752	7 7	960	9 1	81	19 2	251	17 8	1,261	1 11	443	6 1	..	..	4,313	17 4
Surgery and dispensary—																		
Drugs and instruments ..	349	1 9	335	6 6	274	12 5	12	19 10	16	4 6	661	13 3	12	1 1	..	..	1,661	19 4
Wines, spirits, &c. ..	13	17 4	16	18 0	32	12 1	..	..	7	16 0	12	0 7	..	..	..	..	83	4 0
Telephone services ..	43	14 7	127	17 4	210	6 2	32	6 10	44	4 7	130	12 5	64	18 3	101	11 0	755	11 2
Transfer and removal expenses ..	2	11 6	11	14 7	4	12 6	1	7 2	4	7 6	1	8 7	0	3 9	5	4 3	31	9 10
Travelling-allowances ..	64	0 4	89	7 0	107	5 5	21	0 0	133	8 11	3	11 0	36	10 4	235	19 3	691	2 3
Travelling-expenses ..	61	9 4	52	16 3	194	3 9	16	16 6	49	16 6	97	4 7	27	6 5	244	11 11	744	5 3
Treatment and maintenance in general hospitals—																		
Patients ..	83	6 6	23	16 0	54	18 0	14	3 6	21	19 6	161	13 6	32	5 0	..	..	392	2 0
Staff ..	3	12 0	51	18 0	11	11 0	28	9 3	1	1 0	14	15 6	..	..	..	..	111	6 9
Contingencies ..	2	8 0	14	12 4	0	12 6	0	18 6	6	2 1	7	19 4	..	..	14	12 0	47	4 9
Total expenditure ..	78,784	14 11	83,812	4 8	100,284	5 6	24,324	15 6	35,211	19 3	99,975	13 11	42,119	15 7	10,601	4 11	475,114	14 3
Credits ..	32,044	11 11	32,736	14 11	35,044	11 1	4,398	19 0	11,216	10 1	39,246	8 7	17,502	11 1	14	14 2	172,195	0 10
Net expenditure ..	46,740	3 0	51,085	9 9	65,239	14 5	19,925	16 6	23,995	9 2	60,729	5 4	24,617	4 6	10,586	10 9	302,919	13 5



TABLE XVIII.—CREDITS FOR THE FINANCIAL YEAR, 1930-31.

	Auckland.	Christchurch.	Dunedin.	Hokitika.	Nelson.	Portra.	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 ..	26,871 7 3	23,968 14 9	25,572 5 10	2,410 13 1	7,757 3 8	31,262 18 9	11,472 7 6	..	129,315 10 10
Receipts for farms ..	237 17 0	3,159 3 7	1,624 13 10	90 2 0	835 1 11	955 0 9	2,567 9 3	..	9,469 8 4
Miscellaneous ..	4,935 7 8	5,598 16 7	7,847 11 5	1,898 3 11	2,624 4 6	7,028 9 1	3,482 14 4	14 14 2	33,410 1 8
Totals ..	32,044 11 11	32,726 14 11	35,044 11 1	4,398 19 0	11,216 10 1	39,246 8 7	17,502 11 1	14 14 2	172,195 0 10

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

Mental Hospital.	Average Number resident (inclusive of Boarders).	Buildings and Repairs.	Farm.	Fuel, Light, Water, and Cleaning.	Provisions.	Surgery and Dispensary.	Wines and Spirits.	Miscellaneous.	Total Cost per Patient.	Repay-ments for Main-tenance.	Other Re-payments.	Net Cost per Patient.	Net Cost previous Year.	Decrease in 1930-31.	Increase in 1930-31.
	£ 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..	1,321	0 17 7	0 15 10	4 17 5	11 19 7	0 5 6	0 0 3	4 4 9	60 2 11	20 6 10	4 5 10	35 10 3	34 0 19	6 5 9	3 ..
Christchurch ..	1,632	1 6 1	2 12 7	6 8 6	13 3 6	0 7 3	0 0 4	7 18 1	82 6 2	23 4 6	10 4 0	48 17 8	51 8 7	2 10 11	..
Dunedin (Seacliff) ..	1,207	1 0 10	1 12 3	5 12 7	14 19 7	0 4 11	0 0 6	7 9 9	84 3 10	21 3 9	8 10 11	54 9 3	54 6 6	..	0 2 9
Hokitika ..	252	1 7 9	1 5 8	4 9 11	20 0 8	0 7 0	..	10 1 4	100 19 4	9 11 4	7 17 10	83 10 2	90 14 6	7 4 4	..
Nelson ..	436	0 18 1	1 3 1	6 8 6	13 14 6	0 6 2	0 0 4	5 13 3	83 0 10	17 15 10	8 1 7	57 3 5	59 11 11	2 8 6	..
Portra ..	1,436	0 15 6	1 7 11	3 19 9	13 11 11	0 9 4	0 0 2	5 18 2	70 2 6	21 15 5	7 13 10	40 13 3	41 10 0	0 16 9	..
Tokanui (includes Kingseat)	559	1 8 3	3 12 11	5 8 0	12 6 9	0 2 10	..	7 13 8	78 4 6	20 10 6	12 6 8	45 7 6	59 16 10	14 9 4	..
Head Office ..	..	..	..	0 0 2	..	..	..	0 7 9	1 14 2	..	0 0 1	1 14 1	1 9 3	..	0 4 10
Totals ..	6,243	1 0 7	1 16 7	5 4 8	13 12 2	0 6 5	0 0 3	6 18 9	77 6 7	20 14 3	8 0 2	48 12 2	51 11 0	2 18 10	..

TABLE XX.—EXPENDITURE, OUT OF PUBLIC WORKS FUND, ON MENTAL HOSPITAL BUILDINGS, ETC., DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1931, AND LIABILITIES AT THAT DATE.

Mental Hospitals.		Net Expenditure for Year ended 31st March, 1931.	Liabilities on 31st March, 1931.
		£	£
Auckland	..	3,372	..
Christchurch (Sunnyside)	..	23,993	62
Hokitika..	..	14,764	584
Nelson and Stoke..	..	26,494	244
Porirua ..	..	3,129	73
Pūhīhī ..	..	16,130	6,615
Seacliff ..	..	8,914	..
Tōkannī ..	..	27,787	3,162
Waitati ..	..	9,557	656
Total ..	..	134,140	11,396

TABLE XXI.—TOTAL EXPENDITURE, OUT OF PUBLIC WORKS FUND, FOR BUILDINGS AND EQUIPMENT AT EACH MENTAL HOSPITAL FROM 1ST JULY, 1877, TO 31ST MARCH, 1931.

Mental Hospitals.		1877-1922.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	1930-31.	Total Net Expenditure, 1st July, 1877, to 31st March, 1931.
		£	£	£	£	£	£	£	£	£	£	£
Auckland	..	169,298	777	5,188	2,393	2,073	19,988	12,213	12,461	2,279	3,372	230,042
Christchurch (Sunnyside)	..	193,967	2,245	1,497	6,272	2,901	7,229	10,164	7,777	35,291	23,993	291,336
Dunedin (The Camp)	..	4,891	..	..	..	..	..	..	..	..	..	4,891
Hokitika	..	4,711	4,789	10,216	16,013	8,034	1,745	141	401	3,064	14,764	63,878
Hornby	..	10,980	122	..	..	..	..	..	..	..	..	11,102
Motuhī Island	..	561	..	..	..	..	..	..	..	..	..	561
Napier	..	147	..	..	..	..	..	..	..	..	..	147
Nelson and Stoke	..	34,162	1,929	1,429	2,389	1,182	805	..	956	127	23,494	124,300
Pūhīhī ..	..	..	..	..	..	..	..	..	..	..	..	16,130
Seacliff ..	..	187,128	1,602	1,246	3,016	4,767	17,888	9,408	27,132	34,609	8,914	295,710
Tōkannī ..	..	95,495	515	2,743	16,076	8,097	1,638	2,124	19,887	32,405	27,787	208,787
Waitati ..	..	16,620	848	194	..	..	627	..	853	2,170	9,537	30,869
Wellington	..	29,641	..	..	..	..	..	..	..	..	..	29,641
Wellington (Porirua)	..	213,130	688	2,578	18,374	38,213	16,094	16,315	27,315	9,028	3,129	344,774
Totals	..	960,731	13,852	26,541	68,438	77,835	68,635	51,118	96,782	152,096	134,140	1,650,168

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