

1929.  
NEW ZEALAND.

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# MENTAL HOSPITALS OF THE DOMINION

(REPORT ON) FOR 1928.

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

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The Hon. the MINISTER IN CHARGE OF DEPARTMENT OF MENTAL HOSPITALS to His Excellency the GOVERNOR-GENERAL.

SIR,—

Wellington, 10th July, 1929.

I have the honour to submit to Your Excellency the report for the year 1928 of the Director-General of Mental Hospitals.

I have, &c.,

A. J. STALLWORTHY,

Minister in Charge of Department of Mental Hospitals.

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

SIR,—

Wellington, 10th July, 1929.

I have the honour to present my annual report upon the mental hospitals of the Dominion for the year ended 31st December, 1928.

At the conclusion of the year, 6,160 persons were under care and treatment in the institutions, of whom 5,902 were detained under a Magistrate's reception order, and 258 had been admitted as voluntary boarders upon their own application.

The number of voluntary boarders admitted during the year was 290, as compared with 197 last year, which represents 21 per cent. of the total admissions.

The manifest advantages of securing early treatment in the pre-certifiable stage of mental disorder have been sufficiently stressed in previous annual reports, and it is not necessary to again enlarge upon the matter, but it is gratifying to find that public recognition of this is being reflected in the rapidly increasing number of these who come to us as voluntary boarders, and thus avoid drifting into a condition which necessitates formal certification and committal by a Magistrate.

In New Zealand the percentage of voluntary admissions upon the total has risen from 8 to 21 per cent. during the last decade, but we are still far behind the record established at the Royal Mental Hospital, Edinburgh, last year, where no less than half the admissions were on a voluntary basis. It is only fair to state, however, that in New Zealand we restrict such admissions very strictly to those who are able to fully appreciate the nature of a request for admission and consequences of signing it. Our test in this respect is higher than that in vogue at the institution I have quoted. Those whom we judge to be unfit to sign the request for admission can be admitted only under a Magistrate's reception order after certification by two medical men.

During the year 439 patients and boarders were discharged as recovered, which is 35.9 per cent. calculated on the admissions. I do not wish to attach undue importance to these so-called "recovery rates," which are liable to serious error, but it is significant that while only 26.04 per cent. of the committed patients became fit for discharge as "recovered," the corresponding figure for the voluntary boarders was 68.6 per cent. The statistics published in these reports showing the number of patients in mental hospitals have sometimes been quoted as indicating an unusually high incidence of mental disorder in this as compared with other countries; but, as there is no international uniformity in

the methods employed in handling the problems connected with mental disabilities, such comparisons do not bear analysis. In America, and to an increasing extent in England, for example, the feeble-minded and congenitally defective of all classes are cared for in institutions quite apart from mental hospitals, and as we had on our registers 1,145 such inmates at the end of the year, it will be realized how fallacious must be any conclusions arrived at without a knowledge of the facts.

#### PSYCHOPATHIC WARDS IN GENERAL HOSPITALS.

The clinics for nervous and mental affections conducted by our Medical Superintendents at the general hospitals in the main centres continue to carry out a useful function, and the number of those who seek advice and treatment is rapidly increasing, so much so that the time is approaching when the number of weekly sessions will have to be increased.

The usefulness of the clinics would be greatly enhanced by the setting-apart of a ward in each hospital for cases which require a more exhaustive examination than is possible in an out-patient department. Some of these cases come to us as voluntary boarders for this purpose, which could often be better served at the hospital, where the services of the various specialists could be readily available. As a matter of general policy I am not in favour of treating cases of acute mental illness in general hospitals, but the provision of a few beds to be used in association with the clinic would mark an advance in our methods of treatment. In the course of a letter to me on this subject, Dr. William White, head of the St. Elizabeth's Hospital in Washington, author of a standard textbook, and a leading authority on psychiatry, wrote: "I am inclined to think that the best solution would be the system at the Buffalo City Hospital—namely, the setting-aside of one or two wards, not in a separate building but right in the body of the hospital, and having, as you suggest, the interns and nurses rotate in their duty in this service . . . . Then I think that with enlightened hospital management it would not only solve the problem of taking care of emergency cases as they developed in the city and previous to their transfer to the State (mental) hospital, but it could also be used to bring general medicine and mental medicine into closer and more understanding relations."

I understand that this question is likely to be considered by the Wellington Hospital Board in the near future, and I have assured the Medical Superintendent that he can depend upon the hearty co-operation of this Department. An early opportunity will be taken of initiating a similar policy in the other main centres.

#### ALTERATIONS, IMPROVEMENTS, AND ADDITIONS.

Our capital expenditure for the year amounted to £96,782, and was incurred as shown in the following summary:—

##### *Auckland (£561).*

Although the replacement of this institution by Kingseat is a settled matter of policy, and no new buildings are being erected, some renovations will always be necessary, so long as the present buildings are in occupation, to maintain a reasonable standard of comfort. A good many sanitary alterations have been carried out, as well as certain improvements in the kitchen and laundry.

It is proposed during the current year to transform the Medical Superintendent's residence into an additional neuropathic unit for female patients, on the lines of the Wolfe Home. This house, which contains fifteen rooms, is too large for its present purpose, and will provide good accommodation for at least twenty patients. A new Superintendent's residence can be built with a view to its saleability when the evacuation of the institution becomes possible.

##### *Kingseat (£11,900).*

Good progress has been made in the development of this new institution for the Auckland Province. All the farm buildings and outside workers' quarters have been completed, and the water-supply—sufficient for one thousand patients—has been brought on to the estate. The pioneer working patients went into occupation in March, and have assisted in carrying out very material improvements on the land.

Plans for the first two residential villas are now in course of preparation, and it is hoped to make a commencement with these buildings at an early date.

##### *Tokanui (£19,887).*

The principal expenditure has been in connection with the three new villas which were commenced last August, and which we hope to occupy by next October. Their completion will enable us to relieve the overcrowding at Porirua by the transfer of 150 male patients.

The new quarters for outside staff are now in occupation. This has given us more room for our nurses; but with the rapidly increasing population at this institution a Nurses' Home has become essential, and plans are now in course of preparation.

An efficient fire-alarm system, which is most necessary in all mental hospitals, has been installed.

##### *Porirua (£27,315).*

The most important work of the year has been the completion and occupation of a Nurses' Home, with accommodation for eighty-six members of the female staff. This has released certain rooms, which are now being redecorated for the use of patients,

The population of this institution has increased far beyond the limit which is recognized to make for the highest efficiency, and no additions to patients' accommodation are contemplated. There are, however, certain amenities which should be provided, such as an entirely detached hospital block, and I intend to submit proposals in this connection during the current year.

It has for long been obvious that the administrative buildings—including kitchen, laundry, and boiler-house—have lagged behind the increase in population, and proposals for a complete rearrangement of these sections are under consideration. I hope something may be done in this direction during next year.

*Nelson and Stoke Farms (£956).*

Early in the year a contract was let for the erection of three villas at Stoke Farm, but these will not be available for occupation before June, 1930. A contract has also been let for the erection of a bakehouse, which will serve the needs of Nelson and Stoke.

The acquisition of a contiguous estate opens the way for the further development of the villa system, for which the land is admirably suited. A survey has been made in anticipation of securing adequate water-supply.

*Hokitika (£401).*

Expenditure has been upon general renovations and maintenance. A contract was let for the erection of a concrete water-tower, and the erection of a laundry is now proceeding.

It is proposed during the coming year to erect a villa, the first of a series, in which transfers from other institutions can be housed.

*Christchurch (£7,777).*

Additions completed during the year at this institution include an auxiliary sewage system and a new boiler-house and stock.

The accommodation for low-grade defectives at B Block is no longer suitable for occupation, and is overdue for replacement. Templeton Farm will shortly be devoted exclusively to the care and training of higher-grade defectives, and a second villa is already in course of erection.

*Seacliff (£27,132).*

The bulk of the expenditure at Seacliff has been for the new administrative buildings, comprising kitchen, laundry, and stores. These are almost completed, and will add very much to the smooth running of the institution. Extensive additions have been made to G Ward. Sixteen rooms were added to the Nurses' Home, which is still too small for an institution of this size. A new Home should be built, and the present one made use of for patients. New day-room accommodation is wanted for several of the wards at Seacliff.

*Waitati (£853).*

A small laundry has been erected, and additional sanitary conveniences constructed at one of the villas. Plans have been prepared for a new villa for fifty women patients.

OVERCROWDING.

In my last annual report I gave a detailed statement as to the gravely overcrowded state of our institutions, and as you, sir, have recently taken the opportunity of becoming personally acquainted with the resultant conditions, I need not repeat the plea I then made for increased financial appropriations. It will be sufficient for me to point out that buildings now in course of erection and likely to be occupied by the end of the year will barely provide accommodation for our estimated annual increase of patients.

During recent years a very great deal has been done to provide proper classification and adequate treatment for recent and recoverable cases, and it was imperatively necessary that this should have been a first consideration; but unless a considerable speeding-up can be effected in the provision of accommodation for the chronic patients we shall become progressively less able to maintain the institutions at that pitch of efficiency which merits public confidence.

CASES OF SENILE DECAY.

On the 31st December there were in our mental hospitals 462 patients who were seventy years or upwards in age, and of these ninety-two had been admitted during the year. Senility took second place amongst the assigned causes of insanity. The mild restlessness and excitement which finally cause the admission of these old folk into our institutions is nearly always very transient in character, and could often, with patience and sympathetic understanding, be controlled in a private house. It is fundamentally wrong, and a reproach on our reputation for sound social legislation, to allow them to spend the evening of life amongst the insane, and special institutions or homes should be established for this purpose. Not only would this be of benefit to the senile patients concerned, but an appreciable amount of infirmary space occupied by them would be freed for more legitimate purposes. If any legislation in this direction is contemplated, I think that our Medical Superintendents should be empowered to discharge suitable senile patients to the new institutions.

## INSANE ALIENS AND OTHER IMMIGRANTS.

An unfair tax upon our accommodation and upon the finances of this country is imposed by reason of the large number of patients of non-British races who are permanently mentally defective and likely to remain in our institutions for the rest of their lives. On the 31st December last we had 211 such persons, whose average length of residence in the institutions was thirteen years. The amount expended up to date upon those 211 aliens has been approximately £188,612, and they cost the country £14,509 annually for maintenance.

It does not appear possible to take any action in regard to those people already here, but it would be desirable that steps should be taken to prevent any increase in their numbers. I suggest that the Immigration Restriction Act should be amended to allow the deportation of aliens who become insane within five years of the time of their arrival in New Zealand.

The existing law as to the immigration of mentally defective persons to New Zealand is so imperfect as to be practically a dead-letter. It is provided in section 14 of the Immigration Restriction Act, 1908, that a person shall be prevented from landing if he is an idiot or insane. As an idiot is incapable of travelling alone, and as section 16 exempts him from the provisions of section 14 if he is accompanied by his parents, the position is a *reductio ad absurdum*.

The position in regard to the insane is in little better case. It is extremely unlikely that a patient suffering from delusional insanity will have an opportunity of communicating his false ideas to the Port Medical Officer during the brief period available for the inspection of each individual passenger, and the detection of other psychoses must in these circumstances be largely a matter of chance. Once such cases as these have landed in New Zealand, as the law stands at present, the country is liable to be faced with an addition to the large expenditure above mentioned.

## THE NURSING STAFF.

It is due to the nursing staffs of our institutions that I should express my appreciation of the manner in which they carry out their duties. It is all the more fitting that I should do so because the work of our nurses and attendants seldom comes under public notice except by reason of regrettable incidents such as the recent assault case, when the Department had to prosecute an attendant.

Our nursing staff comprises 958 nurses and attendants, and it would indeed be surprising if amongst the many probationers engaged there were none found to be temperamentally unsuited for this work, which calls for qualities of a high order. When consideration is given to the various types of patients to be dealt with, the natural discontent engendered by loss of liberty, and the conditions attendant upon overcrowding, it is not to be wondered at that complaints as to treatment are received from time to time. A few of these have some justification, but the majority are due to delusions or some other form of mental unbalance.

The letters of appreciation which the Medical Superintendents and I receive from ex-patients and their relatives far outnumber the complaints, and I know that many members of the staff take patients for outings and perform other acts of disinterested kindness which are quite outside the scope of their official duties.

The Department is well served by the nursing staff, to whose loyalty and devotion the smooth running of the institutions is largely due.

## MEDICAL STAFF.

Consequent upon the increasing amount of time devoted to the clinics, and in order to render more fully effective the provisions now made for the reception and treatment of recent cases, it has been found necessary to augment our medical staff by the appointment of four additional physicians.

A selection committee consisting of Sir Hubert Bond, of the English Board of Control, Dr. H. de M. Alexander, Medical Superintendent of Kingseat Villa Mental Hospital, and Dr. J. D. Hunter, one of our medical officers who was in Britain on study leave, chose for us the following gentlemen, who have now joined the Department: Frederick Robertson Martin, M.D., Ch.B., D.P.M.; Gilbert Mortimer Tothill, M.R.C.S., L.R.C.P., D.P.M.; Gilbert Marshall, M.B., Ch.B., B.A.O., D.P.H.; Malcolm Brown, M.B., Ch.B. All these appointees come to us with excellent credentials, and a record of good work done in positions previously held, and I consider that the Department is to be congratulated upon securing an accession of strength to its medical staff.

Dr. J. D. Hunter has resumed duty at Seacliff after eighteen months' study leave in Britain. In addition to taking the diploma in Psychological Medicine, Dr. Hunter paid particular attention to recent developments in the villa system, and held a temporary position at Kingseat Mental Hospital.

Dr. R. T. Hay, Assistant Medical Officer at Nelson, has been granted study leave for one year, and is at the Maudsley Hospital, London, studying for the diploma in Psychological Medicine.

I desire, in conclusion, to acknowledge my indebtedness to my colleague, Dr. John Russell, Deputy Director-General, and to the Medical Superintendents, for their unfailing loyalty and help at all times. I have also to thank Mr. Holder and the staff at the Head Office for good work done throughout the year.

I have, &c.,

THEO. G. GRAY.

## MEDICAL SUPERINTENDENTS' REPORTS.

### AUCKLAND MENTAL HOSPITAL.

Dr. PRINS reports:—

I have the honour to submit to you my annual report for the year ended 31st December, 1928.

The total number of cases under care has been 1,391, with a weekly average of 1,134. The admissions have numbered 212 (males 106, females 106), a decrease of 15 on last year's total. Of these 162 were admitted for the first time.

The general health of the Hospital has been good, the only unusual feature being an outbreak of scarlet fever on the female side, there being 3 nurses and 10 patients at present in isolation. There was also 1 case of enteric fever.

The deaths have numbered 77 (45 males and 32 females), 40 being over sixty years of age. Senile decay and heart-disease were the principal causes.

Probation has been again largely made use of, there being at present 77 patients on leave in the care of their people.

There has been a gratifying increase in the number of voluntary boarders—59 males and 68 females being under care during the year. Of these 52 were new cases and 24 were readmitted. The discharges numbered no less than 47 (25 males and 22 females), which shows the great help it is when people realize they are ill and enter the Hospital voluntarily for treatment. The discharges apart from these have numbered 100, 57 of which left the Hospital "recovered."

The most important improvement during the year has been the alterations to Park House. The large day-room has been divided into two, one part being used as a dining-room. The new quarters for the Matrons have been completed. A new coal-bunker has been built, which allows greatly increased space by the store and engine-room. The veranda at the Nervous Unit has been partly enclosed, and a new lawn laid out. The grounds at the Nurses' Home have been finished, and the lawn at the Wolf Home relaid.

There has been a large increase in the number of doors left open, further removal of shutters and stops from the windows, allowing the patients much increased liberty, and a great improvement in ventilation generally.

The Male Hospital Ward continues to be used as much as possible for the new cases, and there has been very little abuse of the freedom allowed. The Wolf Home receives every possible female and suitable male case. The kitchen has been reorganized, and the meals are now wholly cooked and prepared in the Home, an innovation that is much appreciated. The veranda added to the Female Infirmary Ward is a great improvement. The main kitchen has had a number of repairs carried out—new boilers, a steamer, canopies, &c., being installed—and a further rearrangement will be effected shortly. The laundry has a new electric motor in lieu of the old steam-engine, and electric irons have been installed. A new ironing-machine will, it is hoped, arrive shortly. The painting gang has been busily employed.

Lectures have been given to the nurses and attendants by the medical staff for the first and final examinations, six nurses and thirteen attendants sitting for the certificate.

The general recreation of the hospital has been looked after. The annual picnic to Henderson was held in February, a total of over 450 being conveyed by train and bus, the latter taking some of the crippled and infirm, who would otherwise have been unable to go. During the winter the usual fortnightly dances and entertainments were held. The Salvation Army and Avondale bands have given concerts on Sunday mornings. The usual picnics have been held, and parties have gone to the pictures and football matches, seats being kindly provided by the managements. The bowlers have played their usual tournaments, and home and away matches. Tennis, croquet, and golf have all been largely played. The annual Christmas tree was a great success, the concert being provided by members of the Optimists Club. We are once more indebted to many friends for suitable gifts and donations.

The Auckland Clinical Society again held one of their meetings at the Hospital, and had cases demonstrated to them by the medical staff.

Visits have been paid by Mr. Blomfield (District Inspector), Mr. Alexander, Mrs. Von Sturmer, Mrs. Armitage, Official Visitors, and by Sister Hanna and Miss Jackson.

Services have been held every Sunday. The Archbishop, as usual, came at Christmas-time. The Rev. Mr. Budd and Father Holbrook visited frequently.

The Hospital has received as gifts a wireless set and six loud-speakers from Mrs. Wilson, Mr. Alexander donating the wire necessary to connect up the various day-rooms and parks; also a set and loud-speaker for the Male Hospital from Mrs. Hardie Neil. Crystal sets have been given and installed by Mr. Hayden in the Wolf Home, Nervous Unit, and in some wards of the main building. Mr. Hayden has also obtained for us pictures and books. A gramophone was donated by the Rotary Club.

Mr. Lang, Head Attendant, retired after forty years' service, being the first in the Department to do so. He will be much missed, and carries the good wishes of everybody in his well-earned retirement. He has been succeeded by Mr. McKenzie.

Mr. White has been appointed Resident Engineer, and has been instrumental in carrying out a large number of improvements in the hot-water service, and in minor things, which have contributed largely to the comfort of the patients and staff.

Drs. Hart and Tothill have joined the staff. Dr. Jary resigned, and has the good wishes of all on her approaching marriage.

During my absence on sick-leave Dr. J. Russell was in charge of the Hospital.

In conclusion, I have to thank all my officers, nurses, and attendants for their help and co-operation at all times in the work of the Hospital.

## TOKANUI MENTAL HOSPITAL.

Dr. CHILDS reports—

I have the honour to submit my report for the year ended December, 1928.

On the 1st January there were 345 patients in the Hospital (221 males and 124 females), the number under care during the year being 432 (280 males and 152 females), while the average resident number was 367 (238 males and 129 females). The cases admitted number 87 (59 males and 28 females), and of these 55 (28 males and 27 females) were admitted for the first time. Four males were readmitted, and 28 (27 males and 1 female) were transfers from other hospitals. Eighteen patients were discharged, 15 being males and 3 females; 10 of these (9 males and 1 female) were transfers to other hospitals. The deaths numbered 16 (9 males and 7 females) there being no special contributing factor. At the beginning of the year there were 10 voluntary boarders in hospital (2 males and 8 females), and during the year 5 males and 9 females have been admitted: 13 of these were admitted for the first time. Four males and 6 females have been discharged, while 1 died.

During the year 13 male and 10 female patients were granted probation. One Maori woman gave birth to a full-time male child, with no subsequent improvement in her mental condition.

The general health of the patients during the year has been good. There was a mild outbreak of influenza, but no deaths.

The system of parole has gradually been extended, and, as the Hospital is some distance from any town, the majority of the male patients enjoy parole of some sort.

Various minor improvements have been made to the Hospital, and this adds to the general welfare of the patients. The work of beautifying the grounds and the making of lawns has been proceeded with, and, although there is still much to be done, a distinct improvement has been noted.

A new dormitory has been added to No. 1 Camp, the old dormitory has been renovated and made into a living-room, while extra accommodation has been provided for the staff. It now houses fourteen chronic working-patients, and for that type of patient conditions could hardly be improved.

The work of excavating the sites for the new villas now in process of erection was performed by the patients, a number of whom had been looked upon as unsuitable for work. Most of them were found capable of doing work of some kind and since the excavations have been completed they have been employed in levelling the new playing-field. The new villas cannot be ready too soon, as extra accommodation is urgently required.

Recreation has formed a considerable part of the Hospital life, fortnightly dances in the winter, occasional concerts, and weekly pictures being held. The Australasian Films (N.Z.), Ltd., supply a good class of film for the latter free of charge. Outdoor games such as bowls, croquet, and cricket were indulged in, while swimming and picnic parties were held when the weather allowed. The patients also attend any outside entertainment that is suitable. A fancy-dress ball was held during the year, and proved very popular, while the annual picnic was also a success.

Lectures and demonstrations have been given to the nursing staff during the year; five candidates entered for the senior examination, all gaining certificates, two gaining a first-class one.

A canteen was opened during the year for the benefit of staff and patients, the proceeds to go to the patients' recreation fund. It has served a useful purpose, and has been a success.

The work on the farm has proceeded steadily, and since a large part of the estate has been transferred to the Prisons Department a great improvement has been noted. Water has been laid on to several paddocks, new buildings have been added, and new machinery installed; while, in addition to the usual routine, fencing, draining, and roadmaking have been proceeded with.

The Official Visitors, Mr. Batson and Mrs. Wood, have been most attentive in their duties, Mrs. Wood in particular sparing no amount of time and trouble in her efforts to provide gifts and promote the welfare of the patients generally.

All sections of the staff have shown zeal in the way they have performed their duties, and I wish to thank them for the way they have endeavoured to make the interest of the patients and the Hospital their chief concern. This particularly applies to the heads of the various branches, who are always ready to work for the Hospital as a whole.

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 PORIRUA MENTAL HOSPITAL.

Dr. HAYES reports:—

I have the honour to present my report for the year 1928.

On the 1st January there were 1,408 patients (762 males and 646 females); at the end of the year there were 1,508 patients (820 males and 688 females). The total admissions for the year were 332 (192 males and 140 females). The number discharged was 94, of whom 81 were recovered. The total under care was 1,740, and the number of deaths was 108. The principal causes of death were senile decay, circulatory disease, and general paralysis of the insane. At the beginning of the year there were 67 voluntary boarders, and at the end of the year 75. The total number of voluntary boarders was 63 (36 males and 27 females); readmitted 15, and discharged 68. One was committed, and 2 died.

During the year track has been kept of the admissions in relation to the section of the Hospital into which they were originally received, and their subsequent disposal. The total number of admissions during the year was 410. The following shows the disposal of the cases: Admissions—To main institution, 163; to neuropathic (curative) division, 247; Discharge or probation—From main institution, 14; from neuropathic division, 93. Transferred—From institution, 5; from neuropathic division to main institution, 66. These figures, of course, do not illustrate the full possibilities of the discharges, as towards the latter end of the year many of the cases would not have had time to improve.

Although a good percentage of the yearly admissions can be admitted through the neuropathic divisions, a proportion have had to be transferred to the institution, as their noise and refractory conduct militated against the recovery of other cases. Some of these cases might have been recoverable themselves, and their own recovery might be retarded or inhibited by transference to the environment of the chronic cases. With regard to this point I would like to urge the provision of an annexe at Rauta for this particular type of case.

*The Clinic.*—During the year 122 new cases were interviewed at the Public Hospital either in the clinic or in the wards. The following is the source of these patients. Education Department, 3; Public Hospital, 30; general practitioners, 19; Pensions Department, 22; Prisons Department, 3; social organizations, 5; spontaneous, 40.

The following were the types of cases met with: Anxiety states, 12; neurasthenia, 6; war neuroses, 20; hysteria, 9; obsessional neuroses, 4; schizoid states, 10; paranoid states, 6; organic states, 23; manio-depress. ins., 6; involution melanchol., 11; congenital defects, 15.

The following is the disposal of these cases: Report given or referred to source, 29. Taken as—Out-patients, 40; voluntary boarders, 24. Committed, 22. Advice not followed—Voluntary boarders, 5; committed, 2.

Of those who continued as out-patients the following was their disposal: Discharged recovered, 5; discharged relieved, 13; discharged unrelieved, 3. Advised voluntary boarder, 1. Continuing as out-patients, 18.

The treatment centre at Rauta has been in use for about one year, and the usual methods of physical therapy are employed—Massage, exercises, electrical and ultra-violet radiation. The cases treated are selected as likely to recover, and so the results are not controlled.

Males—Treated, 75; discharged or on probation, 48; remaining, 27: total, 75. Females—Treated, 82; discharged or on probation, 46; remaining, 36: total, 82.

The question of overcrowding is becoming very acute, and is seriously affecting the comfort of the patients. In the event of any infectious disease catching hold in the more crowded parts, a serious epidemic would easily ensue. The overcrowding is more serious in the chronic wards, particularly the female wards F and D. The numbers in excess for the female and male sides respectively are 190 and 70. The former figure will be somewhat relieved by the vacation of eighty rooms when the new Nurses' Home is opened: but with the increasing hospital population this relief can be only temporary.

During the year renovations and painting have been carried out in wards F, D, B, Rauta, Vailima, and H Cottage; also in Male 7, lower building, kitchen, and to the exterior of the main building.

The provision of a new main kitchen and the extension of the stores remains a very pressing need, for the growth of the establishment has long since overtaken the existing ones. The removal of the piggeries to a more distant site still remains a necessity.

Sister Widdowson was appointed sister-tutor during the year, and has assisted in the training of nurses on both sides.

The usual weekly entertainments have been given, and in addition to these, concerts have been provided by amateur and professional artists interested in the Hospital. I would like to offer special thanks to the Women's National Reserve for the interest continually displayed in a very practical manner—giving many comforts, including a wireless installation for the female hall. The Red Cross Society and the Victoria College Social Service Club have paid regular visits to the patients in whom they are interested, and their services have been a great help. Special thanks are also due to the Rev. Mr. Harding, who has organized entertainments and distributed many gifts amongst the patients of both sides. The commercial travellers also deserve thanks for providing orchestral concerts for all the patients, for gifts to the children, including the gift of a wireless set.

My thanks are due to the ministers of religion for their services. I would like to thank the Official Visitors (Mrs. Fraser, Mrs. McVicar, Mr. Bothamley, and Mr. Bradley) for their regular visits and interest displayed in the welfare of the patients.

I am grateful to my colleagues, Drs. Williams, Macky, and Anderson for their help. I also wish to thank the Matrons, Head Attendants, and the staff generally for their loyal support and work throughout the year.

#### NELSON MENTAL HOSPITAL.

Dr. JEFFREYS reports:—

I have the honour to forward my report for the year 1928.

At the beginning of the year there were upon the register 418 patients (283 males and 135 females), and on the 31st December there were 426. The total number under care during the year was 465, while the weekly average number resident was 413. Including 7 transfers from other institutions, there were 47 admissions, and of these 36 (20 males and 16 females) were admitted for the first time. Of the 23 voluntary boarders who were under treatment during the year, 8 were discharged 2 were committed as ordinary patients, and 1 was transferred, leaving 14 remaining at the end of the year. Thirteen patients were discharged recovered, and 4 as "relieved" or "not improved." Twenty-one patients died during the year, and 8 of these were old people between seventy and ninety years of age, while 3 patients died from broncho-pneumonia following measles.

On the whole the general health of the patients has been very satisfactory. Towards the end of the year there was an outbreak of sickness among the boys at El Nido. Seven boys were stricken down within a few days of each other, and the symptoms were at first suggestive of typhoid fever, but very soon definite pneumonic signs became apparent, and we were able to diagnose the condition as that of epidemic influenza of a virulent type. In spite of the severity of the symptoms all the patients recovered, although three of them were very dangerously ill for a time.

The value of immediate, complete isolation was strikingly demonstrated during this outbreak. The infected boys were at once isolated in one of the large dormitories, and were in sole charge of three nurses, who were put on eight-hour shifts. The result was most gratifying, for in spite of the overcrowding in this ward no other patients were infected.

In July there was a fairly severe outbreak of influenza. No fewer than 160 of the patients and staff at Nelson and Stoke were laid up, and, owing to the sudden onset and the number infected, it was quite impossible to isolate them without a special isolation ward, and the necessity for such a ward, which has long been recognized, was very apparent. It is to be hoped that the necessary funds will be forthcoming to build one in the near future.

It is a relief to know that the contract has been let for the erection of three villas at Stoke, for the overcrowding has become a very acute problem. Most of the excavation for the site of the first villa was done by patients, the majority of whom are mentally deficient boys, who are being trained to become useful members of our little community. At the time of writing the contractors have made a start on the excavation for the second villa, and by this time next year the erection of the villas should be well on the way to completion.

At present there are seventy-nine boys at El Nido, and until the villas at Stoke are ready for occupation it will be quite impossible for us to find accommodation for any more boys.

In spite of the many disadvantages we still labour under at Stoke, conditions there are very satisfactory. A large percentage of the patients are on full parole, and many of the remainder are on limited parole. Although there are no fenced-in parks or airing-courts, it is rarely a patient attempts to escape. The freedom from unnecessary restraint is greatly appreciated, and what was regarded by many as a rather doubtful experiment has proved to be an unqualified success.

The people of the Nelson District take a practical interest in the institution, and have been most generous in their donations towards the recreation funds, and in helping in other ways to provide entertainment for the inmates.

I deeply regret that ill health has rendered necessary the resignation of Mrs. Scantlebury, who has been Official Visitor for many years. She has always taken the keenest interest in the welfare of the patients, and has aroused the interest of others. My sincerest thanks are due to her for her self-denying work.

I am indebted to Archdeacon Dart and other members of the Nelson Ministers' Association for regular Sunday services and visits to the patients. I must also express my appreciation of the valued assistance given me by Dr. Sadlier and the other officers and staff throughout the year.

#### HOKITIKA MENTAL HOSPITAL.

Dr. BUCHANAN reports :—

I have the honour to submit my report for the year ended 31st December, 1928.

At the beginning of the year there were 216 patients on the register and 1 voluntary boarder; at the end of the year there remained 144 males and 61 females, making a total of 205 patients. Admissions numbered 12 ordinary patients. No voluntary boarders were admitted during the year. Discharges were 7, deaths 15, and 1 transfer. One voluntary boarder was discharged. It will be noted that the total number of patients is slowly diminishing year by year.

The general health of the patients continues to be good.

On the 17th August the hay-shed was destroyed by fire. We have since erected a larger one on a new site away from the institution. This new site will ultimately be the position of the farm-stead when the present old and unsatisfactory buildings are replaced by new ones. The old pigsties have been broken up, and a series of discrete movable ones have been erected at a suitable distance away from the main buildings.

Towards the end of the year a greenhouse was added to the garden. By utilizing old iron and available glass this was built cheaply. It is in use for growing tomatoes and raising pot-plants for the wards.

I had hoped that commencement would be made before the end of the year on the projected water-tower and laundry. The delay in these two items has been a great disappointment to me.

Over 5 acres of virgin ground has been stumped, drained, and sown down into pasturage. By reason of similar work carried out last year we are beginning to show an increase in our milk-supply. Thirty-nine chains of new road was formed and linked up with the old bush-track, thus completing a circular walking route for the patients. Tree-planting was continued, and we have now 17 acres afforested. We raised most of the trees from seed in our own nursery; the balance was kindly donated to us by the local Conservator of Forests.

The bowling-green is now completed, and we expect to play on it in January, 1929. Besides providing additional recreation for the patients, this work also serves the purpose of beautifying a hitherto ugly spot at the entrance of the grounds.

The annual picnic was held in February, and, as usual, was a great source of pleasure to the patients.

Mr. Clifton and Miss Reynolds have visited us regularly, and taken an interest in the welfare of the patients.

My thanks are due to the staff for their loyal assistance throughout the year.



### CHRISTCHURCH MENTAL HOSPITAL.

Dr. McKILLOP reports :—

I have the honour to forward my report for the year ended 31st December, 1928.

On the 1st January, 1928, there were 886 patients on the register. During the year we had 175 admissions (90 men, 85 women), 66 patients were discharged, and 9 transferred to other institutions. The total number of committed patients under care was 1,061, and 918 remained on the 31st December (inclusive of 59 absent on probation). Ninety-two voluntary boarders received treatment, 50 men and 42 women. The marked increase in the number of voluntary boarders is particularly pleasing: each year an increasing number take advantage of the provision in the Act sanctioning admission as voluntary boarders. Many have come through the clinics at the General Hospital, which have been remarkably well attended.

The general health of the patients has been good. During 1928 there were 68 deaths (27 men, 41 women), the chief cause being senile decay.

I am deeply gratified at the consideration our many wants have received at your hands and at the hands of the Public Works Department. Many important additions and renovations have been carried out: the chief addition being a forty-eight-unit building at Templeton, which has been in occupation for some months. This is in the nature of a farm colony, and the patients in residence there are very happy and contented.

Tenders have been called for another forty-eight-unit building at Templeton to accommodate feeble-minded patients. This should be in use before the end of the year, and will mark a great advance in the treatment of the feeble-minded, as well as affording increased accommodation at the main institution, thus allowing better classification.

The farm buildings at Templeton have been rebuilt, and the water-tower completed.

Extensive renovations are in progress at Sunnyside: during the past four years the institution has been painted and renovated throughout, and the alterations have given it a bright and airy appearance.

It is intended to apply for a grant to build an extra day-room at North House, a building situated some distance from the main building: there should then be accommodation for a hundred patients there, and I propose to use this entirely for senile women patients, thus keeping patients suffering from the general physiological changes of old age apart from the others.

The farm returns have been very satisfactory: work on the farm and in the gardens continues to provide agreeable and healthy employment.

The patients' recreation has been arranged on the usual lines: the new cinematograph machine is greatly appreciated by patients and staff.

I have to tender my thanks to the Deputy Inspector (Mr. Acland), the Official Visitors, Mrs. Williams and Mr. Hanna, and to the clergy of all denominations, for their regular visits and the interest they have taken.

I regret to have to record the death of our Patients' Friend, Mr. Souter. He is greatly missed by every one, and the memory of good deeds and kindly interest will last for many days.

I am glad to take the opportunity of recording my thanks to Drs. Russell and Hart for their assistance and co-operation; their promotion to more important positions is very pleasing. They have been succeeded by Drs. Brown, Lewis, and Bellringer, who are taking a live interest in the progress of the institution. I have also to thank Mr. Thomas and the office staff, the Matron, Head Attendants, and other heads of departments for the assistance they have given me in carrying on the work of the Hospital. I am very fortunate in having a very good staff of senior nurses and attendants, who have entered whole-heartedly in carrying out any improvements suggested. To the staff as a whole I tender my thanks for their good work during the year.

### SEACLIFF MENTAL HOSPITAL.

Dr. GRIBBEN reports :—

I beg to submit my report for the year ended 31st December, 1928.

At the beginning of the year there were 1,176 patients on the register (643 males and 533 females), and at the end of the year 1,188 (649 males and 539 females). The admissions numbered 144 (79 males and 65 females). Seventy-two patients were discharged, comprising 39 males and 33 females. Of voluntary boarders 40 remained from the previous year and 22 were admitted. Seventeen voluntary boarders were discharged, 1 committed as ordinary patient, and 1 died. Sixty patients died during the year (34 males and 26 females). The average weekly number of patients resident during the year was 1,161 (638 males and 523 females).

The health of the patients has generally been good. Of the 60 deaths which took place, 19 were due to senile decay.

An extensive building programme has been in progress. Work on the new kitchen and laundry block has proceeded satisfactorily, and these buildings are now well forward. A considerable amount of excavation has been carried out round them in preparation for the roadway. The new oil-store and petrol-storage tank are nearing completion. The new coal-bunker was completed, and has facilitated the handling of coal. The Neuropathic Hospital at Puketeraki was occupied in August. The water-supply at this unit has not been satisfactory, and I would urge the installation of an additional source of supply. An addition of sixteen bedrooms and a sitting-room, together with a bathroom, boiler-house, and hot-water system, was made at the Nurses' Home, and the resulting room in the wards has helped in a measure to relieve congestion. Additions to G Ward in progress include bathrooms, extra store accommodation, a hot-water system, and sanitary conveniences. The fire appliances throughout the institution were brought up to the requirements of the Fire Inspector. A new Medical Officer's residence was erected, and is now occupied. The new electrification scheme is in progress. Unfortunately it has necessitated the cutting-down of a large number of trees along Russell's Road and in other parts of the grounds. At Waitati a new bathroom for Female Ward No. 2 is in course of erection, and an addition is being made to the present laundry.

Repairs and renovations include a renewal of the main sewer for a length of 5 chains, renovations to sanitary conveniences in several of the wards, and a new floor in the general dining-hall. In Female Ward No. 4 smaller tables and chairs were installed, and this will be carried out in other wards as opportunity arises. The floor in the day-room of E Ward was renewed in jarrah. A considerable amount of painting has been carried out in the main building and outside units.

Operations in connection with the farm have been carried out in accordance with the policy laid down. The top-dressing of pastures has produced beneficial results. An increased area has been sown in root crops during the spring, and at present the prospects appear good. It is also proposed to cut a larger acreage of grass for hay and ensilage, and given favourable weather conditions there should be an abundance of winter fodder. A plentiful supply of vegetables has been available, and the upkeep of the gardens generally has been creditably maintained.

The weekly clinic at Dunedin Hospital is being increasingly availed of, and is, I am convinced, appreciated by those desiring advice in connection with mental and nervous troubles.

As in previous years, regular picture-shows have been held for the patients, as well as dances during the winter months. When the weather has been favourable there have been picnics for different groups of patients, and a number visited the Summer and Winter Shows in Dunedin. Entertainments have been given by the Ancient Order of Buffaloes, the Commercial Travellers' Association, the Dunedin Male Choir, the Dunedin Pipe Band, and the band of the First Battalion, Otago Regiment. The annual sports meeting, which was favoured by good weather, was again a pronounced success.

I have to express my thanks to Mr. Slater (Official Visitor) and to Mr. Cumming (Patients' Friend). Mr. Cumming, in addition to his other work, has been a great help in obtaining employment for patients on their discharge, and helping them after they have left the Hospital. I desire also to acknowledge my indebtedness to members of the staff for their co-operation in the work of the institution.

STATISTICAL.

The patients on the register at the end of the year numbered 5,902 (m. 3,274, f. 2,628), or 229 (m. 127, f. 102) more than at the beginning; and the daily average under treatment during the year was 5,579 (m. 3,120, f. 2,459), or 184 (m. 98, f. 86) more than in the previous year, while the total under care was 6,696. Patients belonging to the Native race numbered 83 (m. 46, f. 37) at the end of the year.

The admissions numbered 956 (m. 506, f. 450), or 11 more (m. 25 less and f. 36 more) than in the previous year. Of these, 149 had been previously under care, making the proportion of readmissions 15·58 per cent., and 807 patients were admitted for the first time.

The ratio to population of all admissions (exclusive of Maoris) was 6·76 (m. 6·99, f. 6·51) to 10,000, and of first admissions 5·73 (m. 6·03, f. 5·43), so that 1,479 persons in the general population contributed one patient, and 1,742 contributed a patient admitted for the first time.

The discharges (excluding transfers) numbered 359, or 31 less than in 1927. 110 (or 5 less) harmless unrecovered persons were returned to the care of friends, and 249 (m. 115, f. 134) recovered—36 less than last year, representing a percentage of 26·04 (m. 22·72, f. 29·77) on the total admitted. With voluntary boarders added the percentage rises to 35·95. Altogether, 44·78 per cent. of the inmates admitted were able to leave institutional care.

Of a total of 6,696 patients under care, 368 (m. 207, f. 161) died, or 6·59 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, 27·17; disease of the brain and nervous system group, 30·43; heart-disease, 17·39; tuberculosis, 6·00.

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 .. .. .	19·36		20·00	19·66
Congenital .. .. .	9·68		10·44	10·04
Predisposed by previous attack .. .. .	11·06		9·55	10·41
Critical periods .. .. .	18·77		30·22	24·16
Child-bearing (puerperal, non-septic, and lactation) .. .. .			4·88	2·30
Mental stress .. .. .	14·62		11·11	12·97
Physiological defect and error .. .. .	0·40		1·55	0·84
Toxic, including	M. F.			
Syphilis .. .. .	8·30	1·11	3·55	10·04
Alcohol .. .. .	6·91	2·00		
Traumatic .. .. .	0·98		0·44	0·72
Disorder of nervous system, including—	M. F.			
Epilepsy .. .. .	4·34	3·77	5·33	6·17
Other bodily affections .. .. .			1·55	1·25
No definite cause assigned .. .. .			1·38	1·44
	100·00		100·00	100·00

## VOLUNTARY BOARDERS.

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

It will be noted that there were 290 voluntary admissions in the year under review, that 199 were discharged, and that 18 boarders, representing 6·2 per cent. of the admissions, had to be transferred to the register of patients (having shown mental disorder in degree sufficiently pronounced and sustained to render it improper for them to be continued as voluntary boarders), while the proportion of deaths on average number resident was 7·79 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 1928 was 231 (m. 103, f. 128).

## MENTAL NURSES.

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

- Auckland : Second Grade—Beaty Beswick, George Campbell, Mary Collins, Hugh Samuel Conn, Charles Francis Cooper, William Hugh Crees, John King Grant, Margaret Ross McClure, Robert McCready, Ina McKay, Murdoch McKenzie, Florence Norton, Charles Fryer Pritchett, Edmund Greig Sim, Thomas Westwater Whyte, Annie Elizabeth Woods.
- Tokanui : First Grade—Marie Patricia Healy, Robert Pinniger Robinson ; Second Grade—Eliza Margaret Borrell, Caroline Ellen Maud Healy, Thomas McComb, William Henry Smith.
- Porirua : First Grade—Lucy Mary Bramwell ; Second Grade—Alexander Fraser Anderson, Catherine Broderick, Daniel Bernard McGuckian, Robert Ernest Smith, Harold Spencer, Alma Rhoda Wright.
- Nelson : Second Grade—Alfred Keith Bradcock, Annie Brough, Rubina Pearly Brown, William Dickinson, Clifton Albert Exton, John Kissock, David McFarlane McKenzie, Dorice Irene McMurray, Margaret Emily Morgan, Eunice Elizabeth Nock.
- Hokitika : Second Grade—James Arnold Doyle, Daniel Francis Errol Freitas, Eileen Mary Groufsky, William James Lennane, Louisa Johanna Clarisy Rowe, Miriam Alice Sharplin.
- Christchurch : First Grade—Evelyn Dorothy Bagge, James Edgar Jackson ; Second Grade—Ellen Kathleen Clark, Hannah Fahey, Irene Winifred Holland, Donald McRae, William George Robson, Mabel Ivy Woodgate, Margaret Frances Wylie, Catherine Mary Wylie, Andrina Stark Young.
- Seacliff : First Grade—Margaret Ellen Wells ; Second Grade—Greta Alice Bright, James Ralph Clark, Archie Ellwood, Findlay Alexander Fraser, Alexander Francis Leckie, Rita Jane Sime, Ann Skinner.

APPENDIX.

TABLE I.—SHOWING THE ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS IN MENTAL HOSPITALS DURING THE YEAR 1928.

	M.	F.	T.	M.	F.	T.
In mental hospitals, 1st January, 1928 .. .. .	3,147	2,526	5,673			
Admitted for the first time .. .. .	435	372	807	} 506	450	956
Readmitted .. .. .	71	78	149			
Total under care during the year .. .. .				3,653	2,976	6,629
Discharged and died—						
Recovered .. .. .	115	134	249			
Relieved .. .. .	40	40	80			
Not improved .. .. .	17	13	30			
Died .. .. .	207	161	368			
(Not including transfers—Males 57, females 10.)				379	348	727
Remaining in mental hospitals, 31st December, 1928 .. .. .				3,274	2,628	5,902
Increase over 31st December, 1927 .. .. .				127	102	229
Average number resident during the year .. .. .				3,120	2,459	5,579

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 1928.

Mental Hospitals.	In Mental Hos- pitals on 1st January, 1928.			Admissions in 1928.									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 .. .. .	655	524	1,179	82	80	162	15	22	37	(9	4	13)	761	630	1,391
Christchurch .. .. .	415	471	886	71	70	141	13	15	28	(6	0	6)	505	556	1,061
Dunedin (Seacliff) .. .. .	643	533	1,176	68	49	117	8	13	21	(3	3	6)	722	598	1,320
Hokitika .. .. .	152	64	216	5	5	10	2	0	2				159	69	228
Nelson .. .. .	283	135	418	20	16	36	1	3	4	(6	1	7)	310	155	465
Porirua .. .. .	762	646	1,408	159	116	275	28	23	51	(5	1	6)	954	786	1,740
Tokanui .. .. .	221	124	345	28	27	55	4	0	4	(27	1	28)	280	152	432
Ashburn Hall (private mental hospital)	16	29	45	2	9	11	0	2	2	(1	0	1)	19	40	59
Totals .. .. .	3,147	2,526	5,673	435	372	807	71	78	149	(57	10	67)	3,710	2,986	6,696

Mental Hospitals.	Patients discharged, transferred, and died.												In Mental Hos- pitals on 31st December, 1928.		
	Discharged recovered.			Discharged not recovered.			Transferred.			Died.					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Auckland .. .. .	31	26	57	15	16	31	(10	2	12)	45	32	77	101	76	177
Christchurch .. .. .	22	23	45	7	14	21	(7	2	9)	27	41	68	63	80	143
Dunedin (Seacliff) .. .. .	17	20	37	21	13	34	(1	0	1)	34	26	60	73	59	132
Hokitika .. .. .	1	5	6	1	0	1	(1	0	1)	12	3	15	15	8	23
Nelson .. .. .	4	9	13	2	2	4	(1	0	1)	14	7	21	21	18	39
Porirua .. .. .	37	44	81	5	8	13	(27	3	30)	65	43	108	134	98	232
Tokanui .. .. .	2	2	4	4	0	4	(9	1	10)	9	7	16	24	10	34
Ashburn Hall (private mental hospital)	1	5	6	2	0	2	(1	2	3)	1	2	3	5	9	14
Totals .. .. .	115	134	249	57	53	110	(57	10	67)	207	161	368	436	358	794

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 .. .. .				630	504	1,134	32.00	25.49	28.64	7.14	6.34	6.79
Christchurch .. .. .				410	456	866	26.19	27.06	26.62	6.58	8.99	7.55
Dunedin (Seacliff) .. .. .				638	523	1,161	22.36	32.25	26.81	5.33	4.97	5.17
Hokitika .. .. .				148	62	210	14.28	100.00	50.00	8.10	4.83	2.38
Nelson .. .. .				283	130	413	19.04	47.37	32.50	4.94	5.38	5.08
Porirua .. .. .				758	625	1,383	19.66	31.66	24.85	8.57	6.88	7.83
Tokanui .. .. .				238	129	367	6.25	7.40	7.27	3.78	5.42	4.36
Ashburn Hall (private mental hospital)				15	30	45	50.00	45.45	46.15	6.66	6.66	6.66
Totals .. .. .				3,120	2,459	5,579	22.72	29.77	26.04	6.63	6.55	6.59

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	0	2	1	0	1	1	2	3	..	..	..	2	0	2	..	..	4	..	..	3	..	..	6	2	8	
From 5 to 10 years ..	1	0	1	2	1	3	1	2	3	..	..	..	6	0	6	2	1	3	1	3	..	..	13	7	20		
" 10 " 15 " ..	1	3	4	3	1	4	2	0	2	..	..	..	3	0	3	2	1	3	1	0	1	..	..	12	5	17	
" 15 " 20 " ..	6	3	9	6	8	14	5	5	10	1	0	1	0	1	1	6	9	15	3	4	7	..	..	27	30	57	
" 20 " 30 " ..	5	18	23	18	14	32	16	7	23	1	0	1	0	3	3	31	21	52	3	5	8	0	4	4	74	72	146
" 30 " 40 " ..	20	18	38	15	18	33	8	6	14	0	1	1	1	2	2	31	24	55	3	6	11	0	2	2	81	75	166
" 40 " 50 " ..	16	25	41	13	11	24	11	16	27	1	2	3	1	6	7	44	40	84	2	8	10	2	5	7	90	113	203
" 50 " 60 " ..	23	15	38	13	16	29	10	5	15	2	1	3	3	4	7	30	16	46	7	2	9	..	..	88	59	147	
" 60 " 70 " ..	8	8	16	6	9	15	10	12	22	1	1	2	2	1	3	27	9	36	5	1	6	..	..	39	41	100	
" 70 " 80 " ..	7	7	14	6	5	11	6	5	11	1	0	1	2	3	5	8	12	20	2	0	2	..	..	32	32	64	
" 80 " 90 " ..	2	2	4	1	2	3	6	2	8	..	..	..	0	1	1	6	4	10	1	0	1	..	..	16	11	27	
" 90 " 100 " ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1	..	..	..	..	..	1	0	1	
Unknown ..	6	3	9	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1	..	..	..	..	..	7	3	10	
Transfers ..	9	4	13	6	0	6	3	3	6	..	..	..	6	1	7	5	1	6	..	..	28	1	0	1	57	10	67
Totals ..	106	106	212	90	85	175	79	65	144	7	5	12	27	20	47	192	140	332	59	28	87	3	11	14	563	460	1,023

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)	27	36	63	31	19	50	27	16	43	3	2	5	2	5	7	127	68	195	14	15	29	1	5	6	232	166	398
Second class (first attack above 3 months and within 12 months on admission)	11	8	19	13	12	25	3	4	7	0	3	3	1	1	2	9	13	22	3	1	4	..	..	..	40	42	82
Third class (not first attack, and within 12 months on admission)	18	21	39	19	33	52	7	13	20	2	0	2	1	6	7	21	17	38	1	0	1	1	4	5	70	94	164
Fourth class (first attack or not, but of more than 12 months on admission)	19	30	49	21	21	42	39	29	68	2	0	2	17	7	24	30	41	71	14	11	25	0	2	2	142	141	283
Unknown ..	22	7	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	7	29
Transfers ..	9	4	13	6	0	6	3	3	6	..	..	..	6	1	7	5	1	6	27	1	28	1	0	1	57	10	67
Totals ..	106	106	212	90	85	175	79	65	144	7	5	12	27	20	47	192	140	332	59	28	87	3	11	14	563	460	1,023



TABLE VII.—CONDITION AS TO MARRIAGE.

						Admissions.			Discharges.			Deaths.		
						M.	F.	T.	M.	F.	T.	M.	F.	T.
AUCKLAND—														
Single ..	..	..	..	..	..	32	39	71	24	16	40	20	12	32
Married ..	..	..	..	..	..	42	41	83	20	19	39	17	11	28
Widowed ..	..	..	..	..	..	7	22	29	1	6	7	5	9	14
Unknown ..	..	..	..	..	..	16	0	16	1	1	2	3	0	3
Transfers ..	..	..	..	..	..	9	4	13	10	2	12			
Totals ..	..	..	..	..	..	106	106	212	56	44	100	45	32	77
CHRISTCHURCH—														
Single ..	..	..	..	..	..	47	44	91	13	14	27	16	15	31
Married ..	..	..	..	..	..	35	30	65	16	16	32	10	17	27
Widowed ..	..	..	..	..	..	2	11	13	0	7	7	1	9	10
Unknown ..	..	..	..	..	..									
Transfers ..	..	..	..	..	..	6	0	6	7	2	9			
Totals ..	..	..	..	..	..	90	85	175	36	39	75	27	41	68
DUNEDIN (SEACLIFF)—														
Single ..	..	..	..	..	..	44	23	67	24	13	37	22	18	40
Married ..	..	..	..	..	..	26	29	55	13	18	31	6	3	9
Widowed ..	..	..	..	..	..	6	10	16	1	2	3	6	5	11
Unknown ..	..	..	..	..	..									
Transfers ..	..	..	..	..	..	3	3	6	1	0	1			
Totals ..	..	..	..	..	..	79	65	144	39	33	72	34	26	60
HOKITIKA—														
Single ..	..	..	..	..	..	3	2	5	2	1	3	9	2	11
Married ..	..	..	..	..	..	2	3	5	0	4	4	2	0	2
Widowed ..	..	..	..	..	..	2	0	2				0	1	1
Unknown ..	..	..	..	..	..							1	0	1
Transfers ..	..	..	..	..	..				1	0	1			
Totals ..	..	..	..	..	..	7	5	12	3	5	8	12	3	15
NELSON—														
Single ..	..	..	..	..	..	14	9	23	5	2	7	11	4	15
Married ..	..	..	..	..	..	5	6	11	1	8	9	1	2	3
Widowed ..	..	..	..	..	..	2	4	6	0	1	1	2	1	3
Unknown ..	..	..	..	..	..									
Transfers ..	..	..	..	..	..	6	1	7	1	0	1			
Totals ..	..	..	..	..	..	27	20	47	7	11	18	14	7	21
PORIRUA—														
Single ..	..	..	..	..	..	105	58	163	21	16	37	33	16	49
Married ..	..	..	..	..	..	69	62	131	20	29	49	29	17	46
Widowed ..	..	..	..	..	..	13	19	32	1	6	7	3	10	13
Unknown ..	..	..	..	..	..				0	1	1			
Transfers ..	..	..	..	..	..	5	1	6	27	3	30			
Totals ..	..	..	..	..	..	192	140	339	69	55	124	65	43	108
TOKANUI—														
Single ..	..	..	..	..	..	19	10	29	1	0	1	5	2	7
Married ..	..	..	..	..	..	11	12	23	5	2	7	3	4	7
Widowed ..	..	..	..	..	..	2	5	7				1	1	2
Unknown ..	..	..	..	..	..									
Transfers ..	..	..	..	..	..	27	1	28	9	1	10			
Totals ..	..	..	..	..	..	59	28	87	15	3	18	9	7	16
ASHBURN HALL—														
Single ..	..	..	..	..	..	1	6	7	1	3	4	1	0	1
Married ..	..	..	..	..	..	1	5	6	2	2	4	0	2	2
Widowed ..	..	..	..	..	..									
Unknown ..	..	..	..	..	..									
Transfers ..	..	..	..	..	..	1	0	1	1	2	3			
Totals ..	..	..	..	..	..	3	11	14	4	7	11	1	2	3
TOTALS—														
Single ..	..	..	..	..	..	265	191	456	91	65	156	117	69	186
Married ..	..	..	..	..	..	191	188	379	77	98	175	68	56	124
Widowed ..	..	..	..	..	..	34	71	105	3	22	25	18	36	54
Unknown ..	..	..	..	..	..	16	0	16	1	2	3	4	0	4
Transfers ..	..	..	..	..	..	57	10	67	57	10	67			
Totals ..	..	..	..	..	..	563	460	1,023	229	197	426	207	161	368

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	116	91	207	69	77	146	88	58	146	29	7	36	21	17	38	153	109	262	54	17	71	4	4	8	534	380	914
Scotland ..	28	23	51	19	13	32	66	59	125	6	2	8	17	3	20	44	28	72	17	5	22	2	1	3	199	134	333
Ireland ..	48	33	81	22	29	51	42	42	84	17	8	25	12	3	15	52	58	110	14	14	28	7	0	1	208	187	395
New Zealand	327	332	659	306	326	632	417	345	762	66	41	107	219	105	324	456	416	872	129	96	225	7	24	31	1,927	1,685	3,612
Australian States	36	25	61	13	16	29	19	29	48	11	3	14	9	6	15	31	25	56	13	3	16	0	2	2	132	109	241
France ..	0	1	1	2	2	4	3	0	3	1	0	1	1	0	1	0	1	1	2	0	2	..	..	..	5	4	9
Germany ..	5	1	6	0	2	2	1	0	1	..	..	..	2	0	2	4	5	9	3	1	4	..	..	..	16	9	25
Austria ..	27	4	31	..	..	..	1	0	1	..	..	..	2	0	2	0	1	1	5	0	5	..	..	..	35	5	40
Norway ..	4	0	4	3	0	3	1	0	1	1	0	1	..	..	..	4	1	5	1	0	1	..	..	..	14	1	15
Sweden ..	3	1	4	2	1	3	3	0	3	3	0	3	1	0	1	4	1	5	..	..	..	..	..	..	16	3	19
Denmark ..	2	0	2	..	..	..	2	1	3	..	..	..	1	0	1	6	2	8	2	0	2	..	..	..	13	3	16
Italy ..	2	1	3	..	..	..	1	0	1	4	0	4	..	..	..	5	2	7	2	0	2	..	..	..	14	3	17
China ..	..	..	..	..	..	..	2	0	2	1	0	1	..	..	..	3	2	5	..	..	..	..	..	..	6	2	8
Maoris ..	21	17	38	..	..	..	..	..	..	1	0	1	5	2	7	16	13	29	3	5	8	..	..	..	46	37	83
Other countries	22	10	32	6	10	16	4	5	9	4	0	4	1	1	2	24	11	35	11	1	12	..	..	..	72	38	110
Unknown ..	19	15	34	..	..	..	..	..	..	..	..	..	..	..	..	18	13	31	..	..	..	..	..	..	37	28	65
Totals ..	660	554	1,214	442	476	918	649	539	1,188	144	61	205	289	137	426	820	688	1,508	256	142	398	14	31	35	3,274	2,628	5,902

TABLE IX.—AGES OF PATIENTS ON 31ST DECEMBER, 1928.

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	1	0	1	..	..	7	3	2	5	..	..	..	5	0	5	0	..	9	..	..	..	..	..	..	9	2	11
" 5 " 10 "	0	1	1	1	6	7	2	3	5	..	..	..	28	0	28	0	9	9	2	2	4	..	..	..	33	21	54
" 10 " 15 "	5	8	13	4	11	15	4	4	8	0	1	1	52	2	54	2	15	17	1	1	2	..	..	..	68	42	110
" 15 " 20 "	14	15	29	15	15	30	23	11	34	1	0	1	37	6	43	17	28	45	7	4	11	..	..	..	114	79	193
" 20 " 30 "	64	66	130	67	40	107	89	39	128	5	2	7	28	18	46	106	79	185	18	10	28	0	1	1	377	255	632
" 30 " 40 "	117	92	209	84	70	154	92	87	179	13	7	20	29	14	43	157	123	280	31	21	52	2	2	4	525	416	941
" 40 " 50 "	160	127	287	105	118	223	165	132	297	45	15	60	28	28	56	210	162	372	65	39	104	2	2	9	780	630	1,410
" 50 " 60 "	137	115	252	80	112	192	124	116	240	36	19	55	33	25	58	171	133	304	78	32	110	1	1	4	660	556	1,216
" 60 " 70 "	87	69	156	45	71	116	83	100	183	30	10	40	32	27	59	99	83	182	35	21	56	6	8	14	417	389	806
" 70 " 80 "	45	37	82	36	24	60	49	36	85	5	3	8	12	9	21	46	39	85	10	11	21	3	6	9	206	165	371
" 80 " 90 "	10	9	19	4	8	12	9	8	17	3	2	5	3	5	8	10	15	25	3	1	4	0	1	1	42	49	91
Upwards of 90	..	..	..	1	1	2	..	..	..	0	1	1	1	0	1	2	2	4	..	..	6	..	..	..	4	4	8
Unknown ..	20	15	35	..	..	..	6	1	7	6	1	7	1	3	4	..	..	..	6	0	6	..	..	..	39	20	59
Totals ..	660	554	1,214	442	476	918	649	539	1,188	144	61	205	289	137	426	820	688	1,508	256	142	398	14	31	45	3,274	2,628	5,902



TABLE X.—LENGTH OF RESIDENCE OF PATIENTS WHO DIED DURING 1928.

Length of Residence.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 1 month ..	5	1	6	7	3	10	0	4	4	1	1	2	1	0	1	8	1	9	2	2	4	..	..	..	24	12	36
From 1 to 3 months	7	3	10	1	1	3	5	3	8	1	0	1	1	1	1	13	2	15	..	..	..	..	..	..	28	12	40
" 3 " 6 "	2	4	6	1	1	0	1	..	..	..	..	..	0	2	2	7	4	11	1	0	1	..	..	..	12	8	20
" 6 " 9 "	3	1	4	4	3	7	1	1	2	..	..	..	0	2	2	6	3	9	0	1	1	..	..	..	14	11	25
" 9 " 12 "	1	3	4	1	0	1	5	0	5	..	..	..	..	..	..	3	2	5	1	0	1	..	..	..	11	5	16
" 1 " 2 years	4	2	6	2	2	4	6	2	8	2	1	3	2	1	3	8	2	10	..	..	..	..	..	..	23	10	33
" 2 " 3 "	2	0	2	2	4	6	2	3	5	..	..	..	4	0	4	6	6	12	1	0	1	..	..	..	10	8	18
" 3 " 5 "	3	5	8	0	6	6	2	3	5	..	..	..	2	0	2	1	1	2	..	..	..	..	..	..	15	20	35
" 5 " 7 "	1	3	4	1	1	2	1	1	2	..	..	..	..	..	..	1	1	2	0	1	1	..	..	..	5	5	10
" 7 " 10 "	2	0	2	1	3	4	0	2	2	1	0	1	..	..	..	2	5	7	..	..	..	..	..	..	7	11	18
" 10 " 12 "	3	1	4	0	1	1	3	1	4	2	0	2	..	..	..	2	1	3	1	0	1	0	1	1	4	5	9
" 12 " 15 "	8	3	11	7	11	18	0	8	17	5	1	6	4	3	7	5	8	13	2	3	5	1	1	2	9	6	15
Over 15 years ..	2	5	7	0	1	1	..	..	..	..	..	..	..	..	..	1	4	5	1	0	1	..	..	..	41	38	79
Died while absent on trial	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	10	14
Totals	45	32	77	27	41	68	34	26	60	12	3	15	14	7	21	65	43	108	9	7	16	1	2	3	207	161	368

TABLE XI.—LENGTH OF RESIDENCE OF PATIENTS DISCHARGED "RECOVERED" DURING 1928.

Length of Residence.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 1 month ..	0	1	1	1	0	1	1	0	1	..	..	..	1	2	3	6	2	8	..	..	..	0	2	2	2	3	5
From 1 to 3 months	11	5	16	5	3	8	3	1	4	..	..	..	1	1	2	2	7	9	2	0	2	1	2	3	27	15	42
" 3 " 6 "	4	5	9	7	6	13	7	6	13	..	..	..	0	4	4	6	8	14	0	1	1	0	1	1	23	26	49
" 6 " 9 "	5	7	12	5	6	11	0	3	3	0	1	1	..	..	..	7	8	15	0	1	1	..	..	..	16	30	46
" 9 " 12 "	6	2	8	2	3	5	1	3	4	0	1	1	1	2	3	10	12	22	0	1	1	..	..	..	17	16	33
" 1 " 2 years	5	4	9	2	3	5	3	5	8	0	1	1	1	2	3	3	4	7	..	..	..	..	..	..	21	28	49
" 2 " 3 "	..	..	..	0	1	1	..	..	..	0	1	1	..	..	..	3	4	7	..	..	..	..	..	..	3	6	9
" 3 " 5 "	0	1	1	..	..	..	0	1	1	..	..	..	1	0	1	2	0	2	..	..	..	..	..	..	3	2	5
" 5 " 7 "	0	1	1	..	..	..	1	0	1	..	..	..	..	..	..	0	3	3	..	..	..	..	..	..	1	1	2
" 7 " 10 "	..	..	..	..	..	..	..	..	..	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	0	4	4
" 10 " 12 "	..	..	..	0	1	1	1	1	2	..	..	..	..	..	..	1	0	1	..	..	..	..	..	..	2	2	4
" 12 " 15 "	..	..	..	..	..	..	..	..	..	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Over 15 years ..	..	..	..	..	..	..	..	..	..	0	1	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1	1
Totals	31	26	57	22	23	45	17	20	37	1	5	6	4	9	13	37	44	81	2	2	4	1	5	6	115	134	249

TABLE XII.—CAUSES OF DEATH.

Causes.	Auckland.		Christchurch.		Dunedin (Seacliff).		Hokitika.		Nelson.		Portra.		Tokann.		Ashburn Hall (Private Men- tal Hospital).		Total.	
I. GENERAL DISEASES.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Tuberculosis .. .. .	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	2	2
General .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Of bone .. .. .	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Of lungs .. .. .	1	1	1	0	2	0	0	1	1	0	4	6	..	..	..	..	9	8
Diabetes .. .. .	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Typhoid fever .. .. .	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Dysentery .. .. .	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Cancer .. .. .	1	0	1	1	..	..	1	0	..	..	0	1	0	1	..	..	3	3
Influenza .. .. .	..	..	0	2	..	..	..	..	..	..	0	1	..	..	0	1	0	4
Toxæmia .. .. .	..	..	0	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1
Pernicious anæmia .. .. .	..	..	0	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1
II. DISEASES OF THE NERVOUS SYSTEM.																		
Melancholia, exhaustion from ..	1	0	3	2	1	1	..	..	..	..	4	0	1	0	..	..	10	3
Mania, exhaustion from .. .. .	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Cerebral syphilis .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	0	1	..	..	0	1
General paralysis of insane ..	5	1	2	1	3	0	1	0	2	0	21	2	0	1	..	..	34	5
Organic brain-disease .. .. .	..	..	..	..	0	1	..	..	1	0	..	..	..	..	..	..	1	1
Epilepsy .. .. .	3	5	2	5	1	3	..	..	0	1	1	2	1	2	..	..	8	18
Cerebral hæmorrhage .. .. .	4	1	1	1	2	3	1	1	..	..	..	..	..	..	..	..	8	6
Cerebral thrombosis .. .. .	3	0	0	1	..	..	..	..	..	..	..	..	1	0	..	..	4	1
III. DISEASES OF THE RESPIRA- TORY SYSTEM.																		
Pneumonia .. .. .	1	2	1	3	3	1	5	0	3	1	2	3	0	1	0	1	15	12
Bronchitis .. .. .	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	1	2
IV. DISEASES OF THE CIRCU- LATORY SYSTEM.																		
Heart-disease .. .. .	7	3	2	6	1	4	1	0	3	2	10	14	..	..	..	..	24	29
Arterio-sclerosis .. .. .	2	3	1	0	3	0	..	..	..	..	..	..	..	..	..	..	6	3
Embolism .. .. .	..	..	1	0	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Myocarditis .. .. .	..	..	0	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1
V. DISEASES OF THE DIGESTIVE SYSTEM.																		
Enteritis .. .. .	..	..	0	1	..	..	..	..	0	1	..	..	..	..	..	..	0	2
Gastric ulcer .. .. .	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Acute obstruction .. .. .	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
VI. DISEASES OF THE GENITO- URINARY SYSTEM.																		
Nephritis .. .. .	..	..	1	0	0	1	..	..	..	..	..	..	..	..	1	0	2	1
Cystitis .. .. .	..	..	..	..	..	..	..	..	..	..	0	2	..	..	..	..	0	2
VII. OLD AGE.																		
Senile decay .. .. .	10	10	10	12	13	6	3	1	3	1	19	7	4	1	..	..	62	38
VIII. ILL-DEFINED CAUSES.																		
Asthenia .. .. .	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..	..	0	1
IX. EXTERNAL CAUSES.																		
Suicide .. .. .	..	..	1	0	1	0	..	..	0	1	..	..	..	..	..	..	2	1
Decapitation .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	1	0	..	..	1	0
Asphyxia .. .. .	..	..	..	..	..	..	..	..	..	..	1	0	..	..	..	..	1	0
Shock following burns .. .. .	..	..	0	2	..	..	..	..	..	..	..	..	..	..	..	..	0	2
Shock following formalin poisoning	..	..	..	..	..	..	..	..	1	0	..	..	..	..	..	..	1	0
Crushed by fall of earth .. .. .	..	..	..	..	..	..	..	..	..	..	1	0	..	..	..	..	1	0
X. DIED WHILE ON TRIAL .. .. .	2	5	0	1	..	..	..	..	..	..	1	4	1	0	..	..	4	10
Totals .. .. .	45	32	27	41	34	26	12	3	14	7	65	43	9	7	1	2	207	161



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	129	79	208	17	8	25	2	2	4	482	254	736	491	257	748	54.53	66.01	57.56	8.21	3.58	6.70
1876	250	112	362	123	57	180	20	5	25	3	4	21	519	264	783	541	277	818	49.20	50.80	49.72	7.76	7.58	7.70
1877	247	131	378	121	68	189	14	4	28	4	4	17	638	319	957	601	303	904	48.98	51.90	50.00	8.48	5.61	7.52
1878	248	151	399	112	76	188	15	13	28	4	4	16	681	361	1,042	666	337	1,003	45.16	50.33	47.11	8.25	4.74	7.07
1879	229	149	378	100	67	167	36	25	61	5	2	20	729	396	1,125	703	371	1,074	43.66	44.96	44.17	7.68	5.39	6.89
1880	232	137	369	93	65	158	41	36	77	9	2	74	769	406	1,175	747	388	1,135	40.08	51.10	44.01	6.29	3.60	5.55
1881	267	152	419	95	59	154	49	32	81	5	6	19	827	442	1,269	796	421	1,217	35.58	38.81	36.75	7.53	4.51	6.49
1882	255	166	421	102	78	180	13	20	33	10	9	65	832	483	1,315	860	475	1,335	40.00	46.98	42.75	7.55	3.78	6.21
1883	238	153	391	89	77	166	17	10	27	12	12	83	938	514	1,452	911	497	1,408	37.39	50.32	42.45	7.46	4.82	6.53
1884	246	133	379	95	76	171	10	5	15	25	2	92	981	542	1,523	965	528	1,493	38.62	57.14	45.12	7.56	4.16	6.36
1885	207	165	372	99	60	159	11	17	28	12	7	76	1,009	604	1,613	984	559	1,543	47.82	36.36	42.74	5.79	3.39	4.91
1886	255	161	416	103	78	181	34	17	51	2	3	101	1,053	643	1,696	1,034	613	1,647	40.39	48.75	43.61	7.15	4.40	6.13
1887	215	146	361	116	92	208	31	28	59	61	3	26	1,041	681	1,722	1,045	641	1,686	53.95	63.01	57.62	7.56	4.05	6.16
1888	230	161	391	93	53	146	31	30	61	3	1	30	1,074	687	1,761	1,046	660	1,707	40.43	32.92	37.34	6.69	4.54	5.86
1889	234	160	390	98	88	186	23	17	40	12	5	111	1,095	702	1,797	1,078	685	1,763	42.61	55.00	47.69	7.05	5.11	6.29
1890	234	171	405	88	74	162	33	24	57	14	7	120	1,115	734	1,849	1,089	699	1,789	37.61	43.27	40.00	7.25	5.86	6.71
1891	231	158	389	89	76	165	21	17	38	8	2	108	1,154	763	1,917	1,125	714	1,839	38.53	48.10	42.42	6.58	4.76	5.87
1892	280	176	456	107	76	183	15	11	26	5	4	23	1,229	810	2,039	1,172	758	1,980	35.94	49.72	41.30	6.66	3.03	5.23
1893	252	165	417	105	77	182	24	19	43	1	2	143	1,329	885	2,214	1,241	812	2,053	39.63	43.13	41.03	5.16	4.31	4.82
1894	278	159	437	104	70	174	25	16	41	2	1	32	1,440	925	2,365	1,347	882	2,229	37.41	44.02	39.13	6.38	3.63	5.29
1895	284	193	477	102	73	175	17	12	29	10	1	148	1,472	990	2,460	1,411	944	2,355	35.92	37.82	36.69	7.44	4.55	6.28
1896	254	212	466	114	110	224	13	23	36	7	1	60	1,512	1,045	2,557	1,487	1,004	2,491	33.98	49.48	40.83	7.67	4.28	6.30
1897	259	199	458	88	99	187	15	19	34	2	1	157	1,591	1,091	2,672	1,534	1,094	2,716	39.06	46.64	42.17	6.29	6.58	6.41
1898	300	202	502	103	96	199	29	17	37	..	2	174	1,654	1,119	2,773	1,622	1,114	2,785	38.35	51.56	43.01	7.18	4.94	6.28
1899	320	223	543	125	104	229	20	15	41	10	9	175	1,715	1,133	2,848	1,671	1,160	2,901	40.36	44.69	42.17	7.41	3.79	5.96
1900	352	192	544	135	91	224	26	14	50	..	2	190	1,801	1,237	3,038	1,780	1,198	2,978	47.59	44.91	46.30	6.74	5.84	6.38
1901	355	236	591	144	101	245	26	14	50	..	1	214	1,836	1,276	3,112	1,796	1,262	3,028	41.39	48.21	44.19	5.18	5.44	7.07
1902	332	236	568	157	106	263	24	11	53	..	1	214	1,900	1,306	3,206	1,823	1,285	3,136	44.29	57.68	49.84	9.08	4.98	7.39
1903	360	251	611	149	121	270	29	24	53	..	1	231	1,997	1,417	3,414	1,894	1,346	3,240	42.25	45.91	43.82	7.81	5.50	6.85
1904	395	264	659	157	126	283	28	22	50	..	1	232	2,083	1,465	3,548	1,970	1,404	3,374	42.72	57.24	48.74	6.90	4.84	6.00
1905	426	318	744	180	146	326	9	12	21	1	1	204	2,160	1,510	3,670	2,028	1,445	3,473	38.40	46.18	41.50	9.17	6.71	8.15
1906	419	297	716	179	170	349	17	11	28	..	1	283	2,220	1,536	3,756	2,105	1,496	3,601	36.38	53.00	43.27	9.41	7.02	8.41
1907	448	317	765	163	168	331	23	16	39	4	2	303	2,273	1,640	3,913	2,146	1,551	3,697	40.17	37.01	38.74	8.99	5.61	7.57
1908	458	381	839	184	141	325	17	44	61	11	5	280	2,332	1,632	3,964	2,252	1,597	3,849	37.55	50.94	42.98	8.70	6.96	7.98
1909	466	318	784	175	162	337	35	28	83	..	6	318	2,408	1,703	4,111	2,309	1,641	3,950	40.67	45.12	42.51	8.36	5.36	7.11
1910	509	359	868	207	162	369	27	29	56	6	9	281	2,448	1,752	4,200	2,391	1,703	4,094	44.89	43.21	44.88	7.19	6.58	6.94
1911	450	361	811	202	157	359	26	32	58	10	11	284	2,555	1,820	4,375	2,483	1,768	4,251	30.89	47.37	37.66	8.42	4.52	6.80
1912	518	361	879	160	171	331	35	34	69	7	8	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
1913	470	374	844	171	152	323	32	20	52	12	12	342	2,667	1,980	4,546	2,602	1,899	4,501	32.49	35.07	33.73	10.53	9.16	9.95
1914	437	402	839	142	141	283	17	36	53	6	10	376	2,717	2,037	4,754	2,674	1,980	4,527	37.11	39.62	38.17	8.09	6.82	7.55
1915	512	371	883	190	147	337	27	44	81	9	13	384	2,772	2,089	4,871	2,723	2,031	4,754	37.23	35.32	35.51	7.85	8.40	8.08
1916	455	418	873	162	148	310	27	37	64	15	15	318	2,816	2,116	4,932	2,747	2,062	4,803	34.44	40.67	37.31	7.67	8.92	8.21
1917	442	366	808	156	157	313	32	20	52	10	8	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
1918	446	377	823	152	128	280	30	42	72	9	11	316	2,873	2,258	5,131	2,808	2,146	4,953	34.08	33.95	34.02	7.87	4.42	6.43
1919	445	430	875	144	175	319	29	37	66	23	17	324	2,921	2,336	5,257	2,830	2,203	5,033	32.36	40.75	29.67	7.45	5.57	6.42
1920	508	439	947	136	145	281	27	35	62	15	25	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
1921	531	414	945	157	128	285	40	42	82	14	9	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
1922	506	450	956	115	134	249	40	40	80	17	13	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
1923	18,538	13,486	32,024	7,099	5,930	13,029	1,347	1,230	2,577	381	281	10,590	..	..	..	..	..	..	..	..	..	..	..	..
1924	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1925	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1926	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1927	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1928	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Excluding transfers between institutions—1,572 males, 1,041 females

TABLE XVI.—SHOWING THE ADMISSIONS, DISCHARGES, AND DEATHS FROM 1ST JANUARY, 1876, TO 31ST DECEMBER, 1928 (EXCLUDING TRANSFERS).

In hospitals, 31st December, 1875						M.	F.	T.
Admissions .. .. .						482	254	736
						18,538	13,486	32,024
						19,020	13,740	32,760
Discharged—						M.	F.	T.
Recovered .. .. .						7,099	5,930	13,029
Relieved .. .. .						1,347	1,230	2,577
Not improved .. .. .						381	281	662
Died .. .. .						6,919	3,671	10,590
						15,746	11,112	26,858
Remaining on 31st December, 1928						3,274	2,628	5,902

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

						Males.	Females.	Both Sexes.
Recovered	..	..	..	..	..	38.29	43.97	41.93
Relieved	..	..	..	..	..	7.26	9.12	8.04
Not improved	..	..	..	..	..	2.05	2.08	2.06
Died	..	..	..	..	..	37.32	27.22	33.06
Remaining	..	..	..	..	..	15.08	17.61	14.91
						100.00	100.00	100.00

TABLE XVIII.—DEBITS FOR THE FINANCIAL YEAR, 1928-29.

	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.
Salaries ..	35,061	14 3	39,512	17 1	50,660	8 0	14,387	4 7	18,302	1 6	47,907	7 6	18,510	1 3	6,020	18 6	230,362	12 8
Official visitors ..	50	8 0	18 18	0 0	14 14	0 0	9 9	9 9	..	4 0	31 5	0 0	27 1	8 8	..	..	151	15 8
Advertising, books, &c. ..	2	15 0	8 12	0 0	7 17	7 0	9 9	9 9	6	4 0	20 6	0 0	21 5	8 8	14	11 1	89	1 1
Bacteriological research ..	0	10 6	9 9	0 0	0 4	6 0	..	..	0	9 0	19 10	2 2	3 14	9 9	..	..	33	17 11
Bedding and clothing ..	5,531	17 0	4,901	6 1	6,240	13 3	1,153	3 10	2,023	1 11	7,328	19 0	2,317	6 8	..	..	29,496	7 9
Buildings, including additions, &c. ..	1,113	8 5	1,798	7 6	1,468	9 4	382	4 0	451	3 7	1,320	13 9	1,277	1 1	..	..	7,811	7 8
Compensation under Workers' Compensation Act ..	..	..	..	..	900	0 0	..	..	..	..	..	..	..	..	..	..	900	0 0
Dental services ..	10	4 0	123	5 2	7 5	5 5	1 15	0 0	4	2 6	100	15 2	2 4	0 0	..	..	249	11 3
Developmental ..	..	..	..	..	157	7 5	..	..	..	..	168	9 2	675	8 9	..	..	675	8 9
Fares and expenses of four medical officers' families from United Kingdom ..	157	7 4	151	3 5	157	7 5	..	..	..	..	..	..	..	..	..	..	634	7 4
Farms, maintenance of ..	927	3 11	1,479	0 7	2,165	8 5	208	5 7	1,573	16 11	1,794	14 10	2,778	2 0	..	..	10,926	12 3
Fencing, draining, and roading ..	115	10 0	102	6 2	515	10 9	96	15 8	141	7 11	273	9 2	541	15 3	..	..	1,786	14 11
Freight, cartage, and transport ..	18	19 9	131	19 5	456	19 9	44	8 4	183	10 1	307	14 2	95	14 4	..	..	1,239	5 10
Fuel, light, water, &c. ..	5,365	4 9	5,562	9 4	5,976	0 3	964	14 6	2,585	1 11	6,040	6 3	2,069	7 11	33	19 2	28,627	4 1
Fuel, light, water, &c. ..	..	..	..	..	34	17 0	..	..	..	..	..	..	..	..	..	..	34	17 0
Funeral expenses of officer who died as result of injury on duty ..	84	2 6	36	0 0	41	0 0	10	0 0	53	15 0	107	15 0	49	0 0	..	..	381	12 6
Furnals, expenses of ..	381	10 5	515	1 9	475	18 7	55	19 0	260	18 5	694	7 4	569	17 3	799	11 9	3,753	4 6
Furniture and furnishings ..	51	6 6	159	13 5	30	18 10	85	14 6	10	16 0	33	17 2	41	8 5	..	..	413	14 10
Gardens and shrubberies, expenses of ..	..	..	..	..	11	13 4	..	..	23	4 6	..	..	..	..	..	..	11	13 4
Grants to—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Relative of officer (deceased) equivalent of leave due ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Officer retired medically unfit ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Laundry ..	216	16 10	363	18 9	2,114	1 7	910	17 7	192	18 5	470	16 6	191	2 7	..	..	4,460	12 3
Legal and inquiry costs ..	..	..	..	..	..	..	..	..	6	8 6	13	14 0	..	..	..	..	20	2 6
Machinery, repairs, and stores ..	154	5 2	172	18 1	331	3 0	13	10 4	92	5 1	155	5 11	177	12 5	..	..	1,097	0 0
Medical fees for certificates, &c. ..	471	15 6	401	6 0	315	10 0	17	8 0	54	14 0	705	16 0	122	19 6	..	..	2,089	0 0
Motor-vehicles, maintenance of ..	45	3 4	94	11 10	176	8 0	23	18 0	141	1 2	147	3 8	118	15 10	..	..	747	1 10
Motor-vehicles, purchase of ..	..	..	285	0 0	482	17 3	..	..	..	..	225	17 4	..	..	..	..	993	14 7
Nursing staff—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Engagement of ..	..	..	0	17 6	..	..	..	..	0	10 0	11	3 0	0	15 0	..	..	13	5 6
Uniforms, purchase of ..	398	1 0	315	4 9	470	14 6	303	13 0	188	3 11	229	3 0	171	17 3	..	..	2,076	17 5
Office equipment ..	4	16 4	9	1 2	2	5 11	0	6 5	3	2 6	3	8 9	32	5 7	76	2 4	131	9 0
Patients' expenses connected with—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gratuities ..	121	16 8	14	4 8	162	8 10	36	11 4	130	16 4	79	10 0	22	9 9	..	..	567	17 7
"Patients' friends" ..	..	..	16	13 4	100	0 0	..	..	..	..	..	..	..	..	..	..	116	13 4
Recreation ..	1,203	14 0	1,243	5 7	1,777	10 8	354	15 3	505	3 1	1,382	5 1	709	9 9	..	..	7,126	3 5
Transfers ..	58	7 6	90	11 8	108	10 6	15	8 11	18	19 1	101	10 7	23	3 0	..	..	179	13 4
Postages and telegrams ..	169	2 1	196	2 8	185	1 11	9	8 1	35	7 3	142	7 7	47	14 1	190	9 7	682	16 3
Printing and stationery ..	16,560	19 0	12,417	11 2	17,484	11 2	51	8 9	68	14 0	188	10 2	84	11 4	233	6 3	1,176	17 2
Rations ..	..	..	1,999	17 0	103	8 1	4,473	15 11	6,434	12 2	20,203	9 5	4,139	16 2	..	..	81,714	15 0
Rents and rates ..	620	4 11	1,006	11 11	922	7 11	..	..	..	..	..	..	..	..	604	0 5	2,707	5 6
Stores ..	..	..	..	..	..	..	..	..	435	8 6	1,802	19 5	411	7 6	..	..	5,335	18 2
Surgery and dispensary—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Drugs and instruments ..	210	9 3	180	10 1	192	3 10	71	12 5	188	9 10	394	18 3	167	19 3	..	..	1,406	2 11
Wines, spirits, ale, and porter ..	..	..	7	13 9	19	10 10	0	9 2	5	10 0	5	14 0	..	..	..	..	38	17 9
Telephone services ..	106	8 7	97	1 5	240	3 6	21	1 0	44	5 8	173	3 0	53	17 5	133	8 7	869	9 2
Transfer and removal expenses ..	138	16 1	66	10 11	70	1 3	4	8 2	..	..	24	16 6	96	8 9	53	19 7	455	1 3
Travelling-allowances ..	3	0 0	10	1 4	49	4 4	16	10 7	71	12 3	1	15 8	22	3 11	277	0 1	451	8 2
Travelling-expenses ..	79	11 5	61	6 10	242	9 5	35	2 0	38	6 2	92	0 0	52	13 8	302	5 8	903	15 2
Treatment and maintenance in general hospitals—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Patients ..	4	12 0	..	..	43	1 0	5	6 6	70	16 0	83	16 6	..	..	..	..	207	12 0
Staff ..	53	19 6	22	2 9	3	13 0	1	1 0	..	..	27	7 0	..	..	..	..	108	3 3
Contingencies ..	5	17 6	0	10 6	1	2 10	4	2 2	2	16 6	1	12 6	0	0 6	6	12 0	22	14 6
Total expenditure ..	69,511	2 6	73,593	0 2	94,764	6 5	23,914	16 4	34,349	13 8	92,767	13 6	35,656	12 3	8,746	5 0	433,303	9 10
Credits ..	21,738	14 5	24,431	16 6	29,339	10 11	2,480	15 9	9,373	11 4	33,361	14 5	9,247	1 0	30	7 8	130,003	12 0
Net expenditure ..	47,772	8 1	49,161	3 8	65,424	15 6	21,434	0 7	24,976	2 4	59,405	19 1	26,409	11 3	8,715	17 4	303,299	17 10

TABLE XVIII.—CREDITS FOR THE FINANCIAL YEAR, 1928-29.

—		Auckland.		Christchurch.		Dunedin.		Hokitika.		Nelson.		Portraua.		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 ..	20,505	7 7	20,048	7 10	23,719	5 2	1,857	14 9	7,452	0 10	30,660	14 6	7,028	2 1	..	..	111,271	12 9
Receipts for farms ..	526	5 10	3,200	15 2	1,698	11 9	62	11 6	1,489	19 8	1,057	9 7	1,645	19 4	..	..	9,681	12 10
Miscellaneous ..	707	1 0	1,182	13 6	3,921	14 0	560	9 6	431	10 10	1,643	10 4	572	19 7	30	7 8	9,050	6 5
Totals ..	21,738	14 5	24,431	16 6	29,339	10 11	2,480	15 9	9,373	11 4	33,361	14 5	9,247	1 0	30	7 8	130,003	12 0

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

Mental Hospital.	Average Number resident (inclusive of Boarders).	Salaries.		Bedding and Clothing.		Buildings and Repairs.		Farm.		Fuel, Light, Water, and Cleaning.		Provisions.		Surgery and Dispensary.		Wines and Spirits.		Miscellaneous.		Total Cost per Patient.		Repay-ments for Main-tenance.		Other Re-payments.		Net Cost per Patient.		Net Cost previous Year.		Decrease in 1928-29.		Increase in 1928-29.	
		£	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 ..	1,205	29	2 9½	4 11	9½	0 18	11½	0 15	4½	4 9	0½	13 14	10½	0 3	6	3 17	4	57 13	8½	17 0	4	1 0	5½	39 12	11	39 13	7½	0	8½	..	9½	1 18 9½	
Christchurch ..	903	43	15 11½	5 8	6½	1 19	10	1 12	9	6 3	2½	13 15	0½	0 4	0	0	2	8 10	6	81 9	11½	22 4	0½	4 17	1	54 8	10	52 10	0½	..	..	17 5½	
Dunedin (Seacliff) ..	1,206	42	2 0	5 3	6	1 4	4½	1 15	11	4 19	14 10	0	0 3	2½	4	0	4	8 13	1½	78 11	6	19 13	4½	4 13	2½	54 4	11	53 7	5½	..	..	16 3 9½	
Hokitika ..	205	70	6 8	5 12	6	1 17	3½	1 0	4	4 14	1½	21 16	6	0 7	0	0	0½	10 18	8½	116 13	1½	9	1	3	0	9½	104 11	1½	88 7	4	..	..	3 9½
Nelson ..	426	42	19 3	4 15	0	1 1	2	3 13	10½	6 1	4½	15 2	1	0 8	10	0	0	3	6 10	9½	80 12	8	17 9	10½	4 10	2½	58 12	7	57 5	10	..	..	1 6 9
Portraia ..	1,464	32	14 10½	5 0	1½	0 18	0½	1 4	6½	4 2	6½	13 16	0	0 5	4½	0	0	1	5 5	8½	63 7	3½	20 18	10½	1 16	10½	40 11	6½	37 2	11	..	..	3 8 7½
Tokani ..	391	47	8 2½	5 18	6½	3 5	4	8 16	7½	5 7	4½	10 11	9	0 8	7	..	..	9	7 5½	91 3	10½	17 19	6	5 13	6	67 10	10½	50 10	9½	..	..	17 0 1	
Head Office (Wellington)	..	1	0	9½	..	..	..	..	..	..	..	..	..	..	..	..	..	0	9	4	1 10	2	0	0	1	10	0½	1 10	1	..	..	..	
Totals ..	5,800	39	15 3½	5 1	8½	1 6	11½	2 0	0	4 18	8½	14 1	9½	0 5	10½	0	0	1½	7 3	8½	74 14	1½	19 3	8½	3 4	7	52 5	10½	49 6	9½	..	..	2 19 1½

TABLE XX.—EXPENDITURE, OUT OF PUBLIC WORKS FUND, ON MENTAL HOSPITAL BUILDINGS, ETC., DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1929, AND LIABILITIES AT THAT DATE.

Mental Hospitals.		Net Expenditure for Year ended 31st March, 1929.		Liabilities on 31st March, 1929.	
Auckland ..	£	12,461	5,860	..	..
Christchurch (Sunnyside) ..	7,777	715	..	..	..
Hokitika ..	401	214	..	..	..
Nelson and Stoke ..	956	498	..	..	..
Porirua ..	27,815	566	..	..	..
Seacliff ..	27,132	310	..	..	..
Tokanui ..	19,887	2,635	..	..	..
Waitati ..	363	..	..	..	..
o tal ..	96,782	10,793	..	..	..

TABLE XXI.—TOTAL EXPENDITURE, OUT OF PUBLIC WORKS FUND, FOR BUILDINGS AND EQUIPMENT AT EACH MENTAL HOSPITAL FROM 1ST JULY, 1877, TO 31ST MARCH, 1929.

Mental Hospitals.		1877-1920.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	Total Net Expenditure, 1st July, 1877, to 31st March, 1929.
Auckland	..	£ 152,245	£ 8,040	£ 9,013	£ 777	£ 5,188	£ 2,393	£ 2,073	£ 19,988	£ 12,213	£ 12,461	£ 224,391
Christchurch (Sunnyside)	..	185,334	5,139	3,494	2,245	1,497	6,272	2,901	7,229	10,164	7,777	232,252
Dunedin (The Camp)	..	4,891	..	..	..	..	..	..	..	..	..	4,891
Hokitika	..	3,727	..	984	4,789	10,216	16,013	8,034	1,745	141	401	46,050
Hornby	..	7,370	928	2,682	122	..	..	..	..	..	..	11,102
Motuihi Island	..	561	..	..	..	..	..	..	..	..	..	561
Napier	..	147	..	..	..	..	..	..	..	..	..	147
Nelson	..	26,253	3,496	3,316	1,929	1,429	2,389	1,182	805	..	956	41,755
Richmond	..	1,097	..	..	..	..	..	..	..	..	..	1,097
Seacliff	..	183,699	40	3,389	1,602	1,246	3,016	4,767	17,888	9,408	27,132	252,187
Stoke	..	..	..	..	337	1,450	3,095	12,568	2,691	753	..	21,704
Tokanni	..	80,340	5,381	9,774	515	2,743	16,076	8,097	1,658	2,124	19,887	146,595
Waitati	..	9,783	3,620	3,217	848	194	..	..	637	..	853	19,152
Wellington	..	29,641	..	..	..	..	..	..	..	..	..	29,641
Wellington (Porirua)	..	206,437	724	5,969	688	2,578	18,374	38,213	16,004	16,315	27,315	332,617
Totals	..	891,525	27,368	41,838	13,852	26,541	68,438	77,835	68,635	51,118	96,782	1,363,932

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