

1930.
NEW ZEALAND.

MENTAL HOSPITALS OF THE DOMINION

(REPORT ON) FOR 1929.

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

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

SIR,—

Wellington, 1st July, 1930.

I have the honour to submit to Your Excellency the report for the year 1929 of the Director-General of Mental Hospitals.

I have, &c.,

A. J. STALLWORTHY,
Minister in Charge of Department of Mental Hospitals.

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

SIR,—

Wellington, 1st July, 1930.

I have the honour to present the annual report upon the mental hospitals of the Dominion for the year ending 31st December, 1929.

The number of persons under care and treatment at the end of the year was 6,348, of whom 6,093 had been committed under a Magistrate's reception order, and 255 had been received upon their own application as voluntary boarders.

The net total increase of population at the close of the period under review was 188 persons.

The committals numbered 956, or the same as last year, but the applications for voluntary admission were 258, or 32 less. This drop in the number of voluntary boarders is due, I believe, in some measure to the fact that patients who would formerly have come to us in this way are now treated as out-patients at the clinics conducted by our medical officers at the general hospitals.

Of the total admissions 21·25 per cent. were on a voluntary basis.

During the year 518 patients and voluntary boarders were discharged as recovered, which is 42·6 per cent. calculated upon the admissions.

Of the voluntary boarders 88 per cent. recovered and were discharged within twelve months, while the figure in the case of committed patients, whose mental disorder is generally well advanced when they come to the institution, was 30·23 per cent.

METHOD OF COMMITTAL.

Considerable advantage has been taken during the year of the alternative method of committal provided by section 8 of the Mental Defectives Amendment Act.

Under this section the magisterial examination of patients takes place at the mental hospital instead of, as formerly, at the Magistrate's Court, and no less than 157, or 16·4 per cent., of the total committals were effected in this way.

I desire to place on record my appreciation of the co-operative spirit shown by the Magistrates, who have uncomplainingly carried out the extra duty imposed upon them under the Act.

PROBATION.

I note with satisfaction that the Medical Superintendents are making more frequent use of section 80 of the Mental Defectives Act, and that at the end of the year 332 patients were residing outside the institutions in the care of relatives and guardians.

In the case of patients labouring under the more incurable forms of mental disorder, probation is in effect a holiday spent away from the institution during a relatively well period, but when applied to recent and recoverable cases, it is generally used as a precursor to discharge.

The probationary system enables the period of actual residence within the institution to be considerably curtailed, and affords to the medical men and the relatives concerned an opportunity of observing the reaction of the patient to his environment, and of making any adjustments which may be found necessary for the maintenance of his mental health.

In one respect I think that the benefits of probation could be enhanced. When a patient leaves an institution on probation the pension which his wife receives under the Widows' Pension Act, 1911, immediately ceases, and until work has been secured the financial stress and attendant worry is increased at the very time when it should be avoided.

In England there is legislative provision for the granting of a small monetary allowance to patients on probation so as to free them from pecuniary worries during the difficult period of reabsorption into the general community, and our experience in New Zealand points to the desirability in some cases of such aid being made available.

I think that this could be best accomplished by continuing the payment of pension to the wife for, say, one month after the date on which the patient leaves the institution, subject to certification by the medical superintendent as to the desirability of such a course in any particular case.

ACCOMMODATION.

In spite of an unexpected decrease in the admission-rate, a high discharge-rate and the granting of probation to an unusually large number of patients, the institutions are still suffering from the serious disadvantages associated with overcrowding.

Since the end of the period covered by this report, however, welcome relief has been afforded to Porirua by the transfer of one hundred female patients to the new villas at Tokanui, and I am glad to record that approval has been given for additional buildings at Kingseat, Waitati, Hokitika, and Christchurch.

As will be seen from the following summary of expenditure, a capital outlay of £152,000 was incurred last year upon buildings and alterations, but it must be remembered that many of our kitchens, laundries, and other administrative units were designed for a much less number than they are now called upon to serve, and a good deal of expenditure has been involved in rendering these departments adequate for present-day needs.

We have still great need for additional accommodation for patients, and I regret that, in spite of the present financial depression, I feel bound to ask for generous provision for this purpose.

ALTERATIONS, IMPROVEMENTS, AND ADDITIONS.

Our capital expenditure for alterations, improvements, and additions during the year amounted to £152,096, and the following summary shows where the money has been expended, as well as new works contemplated and in progress:—

Auckland, including Kingseat (£2,279).

New farm buildings, including piggeries, have been completed at Kingseat, and an addition has been made to the male dining-room to enable a larger number of pioneer patients to take part in the development of the estate. Plans have been approved for two villas to accommodate one hundred male patients, and tenders will be called shortly.

The Medical Superintendent's residence at Auckland is far too large for its present purpose, and it is proposed to convert it into a residential clinic with accommodation for about twenty patients.

Plans have been prepared for a new residence for the Medical Superintendent.

Tokanui (£32,405).

Three new villas to accommodate 150 patients have been completed, and have served to diminish the overcrowding on the female side of Porirua.

A new nurses' home with sixty bedrooms is in course of erection.

Porirua (£9,028).

A good deal of subdivision of large dormitories has been carried out, and the old nurses' quarters in the main building have been converted into small dormitories for female patients.

The present main hall, kitchen, and stores block is quite inadequate for the large number of patients in residence, and plans are in preparation for considerable alterations.

Nelson, with Stoke Farm (£33,250).

Three new villas are nearing completion at Stoke Farm, and a new bakehouse-stores block has been built.

Hokitika (£3,061).

The erection of a new laundry and boilerhouse was completed during the year, and a contract has been let for the erection of a new villa for fifty female patients.

Christchurch (£35,291).

A new boilerhouse and stack have been completed at Sunnyside. At Templeton Farm, Villa No. 1 was completed and No. 2 is being erected. A contract will be let early in the year for a third villa. The villas will house approximately 150 patients and twelve of the staff.

Seacliff (£34,609).

Large new administrative buildings, comprising kitchen, laundry, stores, &c., were completed early in the year. This paves the way for extensive alterations in the main building.

Waitati (£2,170).

Tenders were called for a new villa for fifty female patients, and it is expected that this will be ready for occupation during the year.

THE EUGENICS BOARD.

The Eugenics Board was created under the Mental Defectives Amendment Act, 1928, and its duty as defined by the Act is "to promote the welfare of such mentally defective persons as are not classified as 'persons of unsound mind' or 'persons mentally infirm'"—in other words, the Board deals with persons who are mentally deficient from birth or an early age.

The members of the Board, as at present constituted, are: Mrs. Peter Fraser, Wellington, and Miss Jean Begg, Auckland (appointed by the Governor-General); Mr. B. L. Dallard, Controller-General of Prisons; Dr. Ada Paterson, Director, Division of School Hygiene; Mr. T. B. Strong, Director of Education; Dr. John Russell, Psychiatrist to the Board; and Dr. Theo. G. Gray, Director-General of Mental Hospitals (Chairman).

The Board met upon five occasions during the year, and I am glad to report that much valuable work has been accomplished by the members, who have displayed great interest in the problems relating to mental deficiency.

The first important act of the Board was to establish a psychological clinic in Wellington under the direction of my colleague, Dr. John Russell, who has had associated with him Mrs. Dick, as social-service worker, and Miss Valentine, Supervisor of Special Classes under the Education Department.

From the time of its inception in June until the close of the year, 358 cases were referred to the clinic from the following sources:—

(1) Department of Education—

(a) Children in special classes of day schools	..	..	..	..	85
(b) Children in the care of the Child Welfare Branch	..	..	..	..	26
(c) Children in special schools	..	..	..	..	108

(2) Department of Health 34

(3) Department of Prisons (referred by Prisons Board or by Controller-General of Prisons) 64

(4) Parents, guardians, and medical practitioners.. .. . 35

(5) The Children's Courts 6

Total	..	..	..	..	..	..	358
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Since the end of the period covered by this report the numbers referred to the clinic have greatly increased. Many of the cases so referred have resided at some distance from Wellington, and it has been recognized that an extension of the work to the other main centres could not be long delayed. On the other hand, it is of cardinal importance that a proper standard of efficiency should be set and maintained from the commencement, and the principle has been adopted that no such extensions would be made until adequate personnel could be obtained and given a short intensive course of training at our central Wellington Clinic.

This training is particularly necessary in view of the intention of the Board to undertake, when circumstances permit, a statistical survey of the incidence and ætiological factors relating to mental deficiency in New Zealand—a work in which some uniformity of the methods employed would be desirable.

We have recently been enabled to start the second of our clinics—in Auckland—under the direction of Dr. Kathleen Todd.

After graduation at Otago Dr. Todd entered the New Zealand School Medical Service and later travelled in Great Britain, the Continent of Europe, and America, where she did special research work in neuro-psychiatry and diseases of children. Dr. Todd has had considerable experience in child-guidance and similar clinics, and the Department has been fortunate in securing her services for this phase of its work.

Rooms have been taken in the Sunday School building in proximity to the Children's Court.

TEMPLETON FARM COLONY.

Another important accomplishment on the part of the Board has been the establishment of a farm colony at Templeton, near Christchurch, for children who, while unlikely to profit from the courses provided in the special schools, are yet capable of being trained to some degree in manual work.

In a recent report to the Government I pointed out that the problem of training the feeble-minded was very different from that involved in the care and treatment of persons suffering from mental disorder, and I advocated the provision of separate institutions for the former class apart from the existing mental hospitals. The establishment of Templeton Farm marks a distinct advance in this direction.

Hitherto the care of mentally defective children has been divided between the Department of Mental Hospitals and the Department of Education, and the decision as to which should assume guardianship has been made upon the rather negative point as to whether or not the child has been "bad enough for the mental hospital."

The result has been that the special residential schools under the Education Department have gradually accumulated cases of a custodial grade to the exclusion of those likely to benefit by the educational facilities provided, while many children, who could be trained to be at least partly self-supporting, have been committed to the mental hospitals, where little or no systematic scheme of training has been possible.

In Templeton Farm we have the means of dealing adequately with those children, and so affording relief to both Departments concerned.

During the year the clinic visited the Education Department's special residential schools at Richmond and Otekaika, and as the result of examinations made a number of children were transferred to Templeton, thus freeing much-needed accommodation at these schools for educable children. A few higher-grade boys and girls were also removed to Templeton from the mental hospitals.

Applications on the part of parents to have their children admitted to Templeton have been in excess of the accommodation yet available, but good progress is being made with the building programme. Two villas, each designed to house forty-eight children and four officers, have been occupied during the year, and a third one will be completed shortly. There are forty-nine boys and twenty-four girls in residence, and a number of cases are under consideration.

The members of the Board paid two visits to Templeton during the year.

The establishment of this farm colony has aroused much interest amongst social workers and the public generally, and I have had many reports from independent visitors, who have without exception commented favourably upon the devotion and enthusiasm of the staff and the general brightness and happiness of the children—a state of matters which reflects great credit upon Miss Brand and the other institution officers.

MEDICO-PSYCHOLOGICAL ASSOCIATION.

Although the matter is not one which comes strictly within the scope of this report, I feel that some reference may fairly be made to the recent formation of the New Zealand Medico-psychological Association.

Many of those who have been engaged in institutional work for some years have felt that psychiatry in this country has occupied a rather isolated position in relation to general medical practice, and we believed that a closer contact with the practising members of the profession would provide more opportunity for the exchange of views, and stimulate a larger mutual interest in the more scientific aspect of our specialty. With this aim the New Zealand Medico-psychological Association has been formed, with an initial roll of thirty-six members.

At the first annual meeting held in Christchurch in February, Dr. Marshall Macdonald, of Dunedin, the president, delivered an interesting presidential address upon the teaching of psychiatry, and the following papers were read:—

- (1) Psychosis and Physique : Dr. F. R. Martin, of Seacliff.
- (2) The Treatment of General Paralysis : Dr. Malcolm Brown, of Sunnyside.
- (3) Two Cases of Schilder's Disease : Dr. R. H. Baxter, Christchurch.
- (4) Occupational Therapy : Dr. J. C. D. Macky, Porirua.

OBITUARY.

As this report was nearing completion, news came of the disastrous railway crossing accident at Sockburn which resulted in the deaths of Matron Brand, Miss Cameron, Miss Benfell, and Miss Palmer, institution officers at Templeton, and Mr. Ralph Smith, chauffeur at Sunnyside.

Miss Isabella Duncan Brand, R.R.C., came to us in 1923, with a wide experience in several branches of her profession and a notable record of war service for which she had been decorated. Commencing as sister-in-charge of Braemar Lodge, Nelson, Miss Brand held in succession several of the most important nursing positions in our Department and acquitted herself with distinction, and when the new farm colony was established at Templeton, Miss Brand was obviously the one to whom the direction of this new venture had to be entrusted. How well she carried out her trust, I have already recorded. Plucky and undaunted even in the face of grave difficulties, possessed of the highest ideals of her noble calling, and deeply imbued with the spirit of loyalty and devotion to duty, Matron Brand will be sadly missed at Templeton.

Miss Cameron, Miss Benfell, Miss Palmer, and Mr. Smith were all officers of short service, but were keen, kindly, and popular young people of a type the country can ill-afford to lose, and our deepest sympathy is extended to all their relatives.

APPRECIATION.

I desire, in conclusion, to acknowledge my indebtedness to my colleague, Dr. John Russell, Deputy Director-General, the Medical Superintendents, and the Assistant Medical Officers for their unfailing loyalty and help at all times.

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

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

MEDICAL SUPERINTENDENT'S REPORTS.

AUCKLAND MENTAL HOSPITAL.

Dr. BUCHANAN reports :—

I have the honour to present to you my annual report for the year ended 31st December, 1929.

The total number of cases under care during the year has been 1,430, with a weekly average of 1,178. There have been 216 admissions—117 males and 99 females. Of this number 174 were admitted for the first time.

Sixty-six voluntary boarders were admitted during the year, making a total of 133 under care, and of these 60 were discharged.

At the end of the year 74 patients were on probation, 32 on full parole, and 209 on limited parole.

The general health of the Institution has been good.

The attendance at the Psychiatric Clinic at the Auckland Public Hospital is growing in numbers. At the end of the year it had reached the number of 493. It is gratifying to feel that this clinic is filling a public want, and that the public are showing confidence in its activities.

There have been some important changes made during the year. A part of M. 6 has been turned into a hospital ward wherein are gathered the sick from the whole male side of the Institution. It also serves as a half-way ward between M. 9 (Admission Block) and the main building. It is conveniently placed for this object, and by reason of a few alterations has been rendered attractive and self-contained.

What was once the head attendant's cottage is now a full-parole villa, which houses nine chronic working-patients. These patients require no more than nominal supervision. They are encouraged to be self-reliant in all their domestic arrangements, and they have responded well to the trust shown in them.

A small park has been made by levelling off the mound of clay outside F. 8 Ward. The old ladies there now have a convenient place in which they may enjoy the open air.

As an experiment, four swings were erected in the Female Refractory airing-court. These have proved their worth over and over again. They are continually in use, and many of those patients who formerly spent their time destroying their clothing and getting into mischief now expend their energies in healthy vigorous exercise. More swings will be constructed in the coming year.

The dormitory in F. 7 has been made a constant observation dormitory. This ensures proper and economic supervision for those cases which just miss being suitable for the Wolfe Home.

A violet-ray room has been fitted out in the Wolfe Home, and is in regular use. The results from this treatment are most encouraging.

The kitchen alterations are now complete. The boilers are in their new positions, which facilitates the serving-up of food.

In November, 1929, twenty of our patients, temporarily transferred to Kingseat, went into an open-air summer camp there. These men have worked well in pioneer work affecting the lay-out of the future Mental Hospital. They have so much enjoyed the change—in spite of adverse weather—that they express reluctance to returning to Auckland at the end of the season.

Regular visits have been paid by the Official Visitors.

It was with great regret that we learned of the death of the Rev. Mr. Budd, who had visited this Hospital for twenty-five years. His visitations are missed by staff and patients alike.

The patients' entertainments have been well catered for throughout the year. The annual picnic took place in February at Henderson, and was thoroughly appreciated. Mr. Smith showed us his usual consideration and courtesy in giving us freedom of his grounds for this event.

The Christmas-tree entertainment was voted a great success by the patients. This was largely due, on the one hand to the generous help afforded by the Optimists' Club, and on the other hand to the many attentions and kindnesses rendered voluntarily by the nurses and attendants towards their charges.

In conclusion, I would like to record my thanks to my colleagues and the entire staff for their loyal work and help during the time I have been privileged to be in charge of the Institution.

TOKANUI MENTAL HOSPITAL.

Dr. PRINS reports :—

I have the honour to submit my report for the year ending 31st December, 1929.

The total number of cases under care has been 488, with a weekly average of 408. The admissions were 90 (males 56, females 34); of these, 37 males and 25 females were admitted for the first time. The general health of the Hospital has been good, except for an outbreak of influenza.

The deaths have been 17 (11 males, 6 females), senile decay being the principal cause. Twenty-four patients were discharged, 18 of them being recovered.

There were 24 voluntary boarders under treatment during the year, 8 of them new admissions, and 7 were discharged.

The new amendment to the Act was used in sixteen cases; no doubt the numbers will increase as the advantages of this procedure become more generally known.

The system of parole has been extended and is much appreciated by the patients.

The usual recreation has been provided in the way of weekly picture entertainments, dances during the winter, bowls, parties to the races, show, &c. The fancy-dress ball, Christmas entertainment, and annual picnic were all very successful. The Te Awamutu Band and the Salvation Army Band also provided entertainments.

The new villas are practically completed, and will shortly be occupied by female patients.

During the year a new electric fire-alarm system has been installed, and is now in proper working-order.

The Official Visitors have paid regular visits and have been able to secure various gifts for the use of the patients.

Lectures have been given to the junior and senior members of the staff; and four nurses and five attendants obtained the State certificate for mental nursing.

In conclusion, I have to thank all members of the staff for their help and co-operation in the work of the Hospital.

PORIRUA MENTAL HOSPITAL.

Dr. WILLIAMS reports:—

I have the honour to present my report for the year 1929.

The total number of patients under care during the year was 1,789. On the 1st January there were 1,508 patients on the register (820 males and 688 females); on the 31st December there were 1,535 (823 males and 712 females). The admissions for the twelve months totalled 281 (153 males and 128 females). The number discharged during this period was 153, of whom 129 were "recovered." The number of deaths was 101.

The number of voluntary boarders admitted during the year was 95, 40 of these were readmissions; 83 were discharged; and 10 died.

Seventeen persons (9 males and 8 females) were admitted under section 8 of the 1928 amendment of the Mental Defectives Act; all were subsequently committed. If one may judge from the expressions of opinion by relatives of the patients concerned this method of admission has already done much towards becoming a success; there is little doubt, too, that as the measure becomes more widely known, advantage of its provisions will be taken more frequently. It is the dread of the preliminary visit to the police-court which causes many relatives to defer the admission of a patient until his disorder has become unmanageable, and his treatment correspondingly more difficult.

Overcrowding is still of serious dimensions. A measure of relief has been afforded, however, by the opening and occupation of the new Nurses' Home. The quarters vacated by the nurses have been converted into cheerful airy dormitories accommodating some thirty-six patients. The proposed transfer of approximately one hundred female patients to Tokanui early in 1930 will further alleviate our difficulties.

Referring again to the Nurses' Home. This is an attractively designed building of handsome dimensions, which will accommodate eighty-six nurses and staff. It is very well and tastefully furnished throughout, and this improved and comfortable dwelling has done much towards promoting the efficiency and keenness of the female staff.

During the period under review renovations and painting have been carried out in many of the wards, and the interior, at least, of the Hospital is now almost completed and presents a bright and cheerful sight. The outside, however, particularly of the main building, remains somewhat shabby; the painting of this is really necessary, and would result in vast improvement to the general appearance.

The changes made in the diet scale for patients by Miss Davies, lately dietitian, have been to the patients' good, and they are not uneconomical. The addition, too, of a sister-tutor to the nursing staff has also been productive of much benefit, for not only have teaching-facilities been increased, but also the very nature of the subjects taught has done much to popularize the course of mental-nursing and to make it more interesting.

The psychiatric clinic at the Out-patients' Department, Wellington Public Hospital, has grown to such dimensions that it was found necessary last year to allow this two days per week. It would appear now that very soon three days will be necessary, though, to be sure, from our own point of view, this is hardly feasible as yet. Complete records were not kept for the whole twelve months, but since the 1st September there has been an average daily attendance of eight patients, giving a total of 241 consultations for the period named—that is something over 700 consultations per annum. Patients have been referred to the clinic for diagnosis and advice by city medical practitioners; by the Social Welfare Department; by the Prisons Board; by the police; by the pensions authorities; and, of course, in addition to in-patients of the Public Hospital, those coming of their own initiative have also been seen and treated. The referring to us by practitioners of Hawke's Bay, Taranaki, Wairarapa, and other districts, of various patients, testifies further to the popularity of the clinic, and to the added spread there is of the knowledge concerning it and its functions.

Concerning amusements and recreations for the patients, the usual weekly entertainments, as well as dances at regular intervals, have been given; also concerts by various amateur and professional artists interested in the welfare of the hospital. Christmas-tree entertainments were held at the main building, at Rauta, and at Nairn; these functions are, I think, and naturally so, more enjoyed than any others by the patients. My grateful thanks are due to the Welfare Branch of the Women's

National Reserve, the Wellington Commercial Travellers and Warehousemen's Association, the Warehousemen's Association, the Victoria College Social Service Club, the Wellington East Girls College, the Returned Soldiers' Association, the Red Cross Society, the Salvation Army, and to the many others whom have all helped so generously and so willingly in the above directions. My thanks are due, too, to Mrs. Fraser, Mrs. McVicar, and Messrs. Bothamley and Brady, Official Visitors, for the good work they have done during the year. To the ministers of religion I am also grateful, for all have been most kind in every way, and, without making invidious distinction, I should particularly like to thank the Rev. Mr. Harding for the enormous amount of time he devotes and the great deal of cheer he brings to everybody here year after year.

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

NELSON MENTAL HOSPITAL.

DR. JEFFREYS reports:—

I have the honour to submit my report for the year ended 31st December, 1929.

At the beginning of the year there were 426 patients on the register (289 males and 137 females), and on the 31st December there were 412. The total number under care during the year was 464, while the weekly average number resident was 404.

There were 38 admissions, and of these 33 (27 males and 6 females) were admitted for the first time. Of the 23 voluntary boarders who were under treatment during the year 7 were discharged, 1 died, leaving 15 remaining at the end of the year. During the year 23 patients died, and of these 13 were over sixty years of age, 9 of them being between seventy and ninety.

There was a fairly severe outbreak of influenza during the late winter and early spring, and three of the patients who developed pneumonic symptoms died. Otherwise the general health of the patients has been fairly satisfactory.

The earthquake of the 17th June caused considerable damage to the buildings at Nelson, particularly at Braemar Lodge, where every ceiling had to be replaced; and practically every chimney throughout the Institution had to be rebuilt.

One unusual result of the earthquake is worthy of note. A patient at Braemar Lodge who appeared to be drifting into a state of chronic neurasthenia and depression, and whose prospects of recovery were regarded as remote, was literally shaken out of herself by the shock, and made a rapid and good recovery. She is now with her relatives in England and from latest advices is continuing to keep well.

Two of the new villas at Stoke are nearing completion and the third is well under way, and it is hoped they will be in occupation before the end of the year.

The bakehouse is well on the way to completion, and before long we expect to be baking our own bread.

Yorks' farm of 600 acres has been acquired during the year. This means that at Nelson and Stoke we now have something like 1,500 acres to work, and with our comparatively small number of working-patients it will be difficult to keep the farm up to the present standard. There are some ideal building-sites on this property, and in view of the necessity for further accommodation it is to be hoped that these sites will be made use of as soon as possible.

The accommodation of the nursing staff is becoming a matter of extreme difficulty, and since it has been decided that no action in regard to the Nurses' Home at Nelson be taken, it will be necessary to provide some temporary accommodation to relieve the position.

A night-nurses' cottage is the most urgent of staff requirements.

Everything has been done throughout the year to give the patients as much in the way of recreation as possible, and the Nelson people have been as usual most generous in assisting us in this direction.

Dr. Sadlier, who has been associated with me for the past two years, has been granted twelve months' leave to further his studies in England. I regret losing his services, and desire to place on record my appreciation of his assistance.

My thanks are also due to the other officers and staff for their loyal co-operation throughout the year.

HOKITIKA MENTAL HOSPITAL.

DR. HAYES reports:—

I have the honour to forward my report for the year 1929.

On the 1st January there were 205 patients (144 males and 61 females). The total admissions for the year were 67 (46 males and 21 females). The number discharged was 5. The total number under care was 272, and the number of deaths was 16. There were 4 voluntary boarders.

During the year 9½ acres of virgin ground has been cleared, drained, and left fallow. A new road of 22 chains has been constructed from the site of the new farm buildings to the paddocks. The milk-supply continues to show an increase. A creek through the vegetable-garden to the waterfall has been deviated to Jackson's dam, thus taking the main drainage away from the garden, and from possible future building-sites. The new drain is 17 chains in length. A road of 7 chains has been constructed through the vegetable-garden to the farm road, giving a more convenient access to the new farm-buildings site. A drain of 24 chains in length has also been made, running parallel to the new road from the farm buildings to the paddocks.

The new laundry has been completed, except for the installation of machinery. The water-tower is finished, but will not be ready for use until the pumping-station is completed. There has also been delay in commencing the new farm buildings.

The ground in front of Sefton has been levelled and made into a lawn, and a rockery built. The ground round the lighthouse has also been sown and fenced similarly to the bowling-greens, helping to improve the entrance to the grounds.

The annual picnic was held in January, and was greatly enjoyed. During the Christmas season the patients were entertained by visiting parties, and thanks are due to the Rev. Mr. Hayward, Mr. G. Davidson, and the Municipal Band for their kind services.

The Official Visitors (Miss M. F. Reynolds, Messrs. A. Clifton, Hon. H. L. Michel, and H. M. Coulson) have paid visits and taken an interest in the patients' welfare.

At the end of the year Mr. Dowling, Head Attendant, resigns, after twenty-six years' service. His services will be greatly missed, and he carries the good wishes of the staff in his new venture.

I wish to express my thanks to the staff for their good work during the year.

CHRISTCHURCH MENTAL HOSPITAL.

Dr. McKILLOP reports:—

I have the honour to forward my report for the year ending 31st December, 1929.

On the 1st January there were 918 patients on the register. During the year there were 205 admissions—122 males and 83 females. The total number of committed patients under care was 1,123; 72 patients were discharged and 38 transferred to other institutions; 960 patients (inclusive of 56 on probation) remained on the register on the 31st December. Of 87 voluntary boarders who received treatment 51 were discharged to their homes, 4 were committed, and one died.

The general health of the patients has been very satisfactory. There were 53 deaths (32 males, 21 females), the principal cause of death being senile decay.

A number of important structural alterations have been carried out. Extensive alterations and additions to North House will enable us to use this ward as a separate unit. Our most urgent need is a building to replace "B" Ward, and I am pleased to note that plans are being drawn for this purpose.

The work of installing the new boilers was commenced some months ago, but the rate of progress has been very slow.

The farm and garden returns have again been very satisfactory. The farm recently purchased at Templeton will prove a decided asset to the institution; one attendant and twelve patients are now in residence there.

I desire to record my appreciation of the co-operation and assistance of Professor Hercus, of Otago, and his staff. They have always been pleased to assist us in research work. At his suggestion two years ago I commenced using iodized salt throughout the institution for all purposes. There has been a noticeable decrease in goitres, and there has been no instance of toxic results.

A number of cases of general paralysis have been treated by tryparsamide, and the results have been very satisfactory.

I have to tender my thanks to the Deputy Inspector, Mr. Acland; the Official Visitors, Mrs. Williams and Mr. Hanna; and the clergy of all denominations, for their regular visits, which have been appreciated by patients and staff. I have been very fortunate in having efficient and agreeable medical colleagues, and I have to thank them for their co-operation, and for the live interest they have taken in the progress of the Institution. I have also to thank the office staff, the Matrons, Head Attendants, heads of departments, and the nursing staff for the assistance they have given me in carrying on the work of the Hospital.

SEACLIFF MENTAL HOSPITAL.

Dr. CHILDS reports:—

I have the honour to submit my report for the year ended 31st December, 1929.

At the commencement of the year there were 1,188 patients on the register (649 males and 539 females), and at the year's conclusion 1,186 (657 males and 529 females). The admissions numbered 133 (88 males and 45 females). Forty-two patients were discharged (20 males and 22 females), while 11 males and 2 females were transferred to other hospitals. Eighty patients died during the year (49 males and 31 females), 13 between the ages of eighty and ninety, 17 between seventy and eighty, and one over ninety. At the beginning of the year there were 46 voluntary boarders (25 males and 21 females). Twelve males and 6 females were admitted, 9 males and 8 females were discharged, while 1 of each sex died. One voluntary boarder was committed. The average weekly number of patients resident during the year was 1,165 (746 males and 519 females). The number placed on probation during the year was 64 (38 males and 26 females).

The health of the patients has been uniformly good, but it has been otherwise with the nursing staff, a considerable number having been off duty through sickness often of a serious nature; and I regret to report the deaths of Attendant D. Hendry and Charge Attendant J. W. Churchman.

Dr. Gribben was in charge of the hospital until the 24th April, when I took over. Dr. Gribben, although his health was causing some concern, did all he could to make me familiar with the work in the different branches of the Hospital, and the help thus given made the task of taking-over as simple and pleasant as possible.

A fairly extensive building programme has been in progress throughout the year. The new kitchen and laundry block is now almost ready for occupation, the store indeed being already occupied. The new oil-store and petrol-storage tank were completed early in the year as was a new bathroom and boilerhouse at Waitati. A new bathroom with boilerhouse attached, and sanitary conveniences for patients and staff were built at Simla. This addition is a particularly pleasing structure and a model of its kind. The day-room at Simla was extended and an extra fireplace added. This addition is much appreciated. Extensive alterations and repairs were completed at the Retreat, Waitati, and the interior of the older portion papered and painted, while improvement was effected in the hot-water supply. New bathrooms, hot-water system, and sanitary conveniences were completed at G Ward early in the year. The boilerhouse at D Ward was extended to house an extra electric water-heater, and part of the building converted into a much-needed drying-room. In addition, minor work, such as the building of a new veranda at F 3, the supplying of Cherry Farm with water, the renewal of snow-gratings, the renewal of Clifton House sewer, the renewal of a section of the main sewer below the railway, and the completion of the water-pipe line between the main building and Simla, have been carried out. Works in progress comprise a 6-in.-pipe-line from Double Hill to Seacliff, the excavation of a villa-site at Waitati, a pipe-line to the Neuropathic Unit, repairs to chimney-stacks, and the provision of better lavatory accommodation for Male A Ward and the library.

The work on the farm has proceeded steadily under Mr. Gray, the new Farm-manager. In addition to the breaking-in of a small amount of new pasture, the usual routine of top-dressing, fencing, draining, and roadmaking have been proceeded with.

The gardens also have been well looked after, and the results achieved show the attention they have received. Work has been carried on as usual at the fishing-station, but the returns have not been very encouraging.

The weekly clinic at Dunedin Hospital is being well attended, and a considerable amount of advice given. The Dunedin Hospital at present adopts the policy of keeping suitable patients who show reasonable prospects of recovery in a short time, and in this way some patients have been returned to their homes without admission to the Mental Hospital.

Amusements and recreation, as hitherto, have taken their part in the hospital regime: Picture shows weekly, weekly dances during the winter, and occasional concerts being held. Outside amusements such as Summer and Winter Shows, Waikouaiti races, and the circus have been visited, while football, cricket, and croquet have been indulged in in their respective seasons.

Although the nursing staff has been considerably depleted at times by sickness, the welfare of the patients has not suffered; and I would thank the Matrons, Head Attendants, and the nursing staff generally for the way they have carried on, and the good work done under difficult circumstances. The other branches of the staff have also worked well, and I would particularly like to express my appreciation for the assistance the heads of the various branches have given me. My thanks are due to the clergy of different denominations for their regular visits, and to Mr. Cumming, the "Patients' Friend." Mr. Cumming, in addition to his other work, has been instrumental in finding work for patients, and when relatives or friends have been lacking has taken suitable patients out on probation. The hospital is fortunate in its Medical Officers. Their work has reached a high standard, and they have ably assisted me during the year.

STATISTICAL.

The patients on the register at the end of the year numbered 6,093 (m. 3,399, f. 2,694), or 191 (m. 125, f. 66) more than at the beginning; and the daily average under treatment during the year was 5,710 (m. 3,215, f. 2,495), or 131 (m. 95, f. 36) more than in the previous year, while the total under care was 6,948. Patients belonging to the Native race numbered 93 (m. 49, f. 44) at the end of the year.

The admissions numbered 956 (m. 549, f. 407), (m. 43 more and f. 43 less) than in the previous year. Of these, 146 had been previously under care, making the proportion of readmissions 15·27 per cent., and 810 patients were admitted for the first time.

The ratio to population of all admissions (exclusive of Maoris) was 6·66 (m. 7·54, f. 5·75) to 10,000, and of first admissions 5·65 (m. 6·60, f. 4·67), so that 1,499 persons in the general population contributed one patient, and 1,767 contributed a patient admitted for the first time.

The discharges (excluding transfers) numbered 385, or 26 more than in 1928. 96 (or 14 less) harmless unrecovered persons were returned to the care of friends, and 289 (m. 145, f. 144) recovered—40 more than last year, representing a percentage of 30·23 (m. 26·41, f. 35·37) on the total admitted. With voluntary boarders added the percentage rises to 42·67. Altogether, 50·57 per cent. of the inmates admitted were able to leave institutional care.

Of a total of 6,948 patients under care, 380 (m. 227, f. 153) died, or 6·65 per cent. on the average number resident. An inquest is held in the case of every death, whatever the cause. The causes are detailed in Table XII, and the following is the percentage of causes mainly contributing: Senile decay, 23·68; disease of the brain and nervous system group, 26·05; heart-disease, 21·84; tuberculosis, 5·00.

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	..	..	..	..	..	10.38	11.30	10.77
Congenital	..	..	..	..	..	18.94	8.85	14.65
Predisposed by previous attack	..	..	..	..	..	11.30	14.74	12.76
Critical periods	..	..	..	..	..	22.22	29.73	25.42
Child-bearing (puerperal, non-septic, and lactation)	..	..	..	..	..	..	3.19	1.36
Mental stress	..	..	..	..	..	11.84	15.23	13.28
Physiological defect and error	..	..	..	..	..	1.64	1.97	1.78
Toxic, including					M. F.			
Syphilis	..	..	..	..	5.65	2.21	13.30	4.67
Alcohol	..	..	..	..	7.28	1.97		
Traumatic	..	..	..	..	..	0.91	..	0.52
Disorder of nervous system, including—					M. F.			
Epilepsy	..	..	..	..	4.01	3.19	6.92	5.16
Other bodily affections	..	..	..	..	..	0.73	1.23	0.95
No definite cause assigned	..	..	..	..	..	1.82	3.93	2.72
						100.00	100.00	100.00

VOLUNTARY BOARDERS.

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

It will be noted that there were 258 voluntary admissions in the year under review, that 229 were discharged, and that 14 boarders, representing 5.4 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 7.32 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 1929 was 246 (m. 119, f. 127).

MENTAL NURSES.

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

Auckland: First Grade—Edith Elizabeth Parkerson, Madeline Mary Ryan. Second Grade—Stanley Harry Baulcomb, Rodger Beattie, Blanche Brunskill, Matilda Lucy Cowen, Jeannie Crawford, Margaret Mary Healy, James Kinnear, Robert McAuley, Joseph Aloysius McGeown, George Markham Mansfield, Samuel Patterson, Thomas William Ramsay, William Famlton Renner, William Henry Taggart, Hilda Elizabeth Vint, Charles Oscar Vollmer, Clarence Peter Walker.

Tokanui: First Grade—James Colin Verner, Zoe Doris Worth. Second Grade—Thomas Sherrid Bond, William James Bruce, James Crawford, Doris Hazeline Grace Mills, Henrietta Page, Victoria Tunbridge, Charles William Verner.

Porirua: First Grade—Frank Hustler. Second Grade—Florence Elizabeth Andrews, George Frederick Armes, John Herbert Cole, Thomas William Cox, Fred Foster, Leonard Jacques, Mavis Mooring Leitch, John Joseph McGinn, Mary Agnes McGlynn, Neil Murray, John Philip, Ethel Rusbatch, Janet Rutherford, Lavinia Ryan, Arthur James Thompson, Herbert Morris Tweedie.

Christchurch: First Grade—Annie Gibson, Rebecca Violet May McConnochie. Second Grade—William Barron, Lydia Mary Elliott, Flora Jean McLennan, Charles Milne, Una Rose Pawson, Grace Alfreda Adeline Watson.

Nelson: First Grade—Margaret Ann McDonald Boyd, Roslie Madge McLean. Second Grade—Ernest Ashton, Harold Dickinson, Mary Eileen McAnulty, Clifton Basmore O'Malley.

Seacliff: First Grade—Ezma May Gibb, Linda May Salton. Second Grade—Eoin Campbell Coutts, Constance Maud Haines, Elizabeth Maude Haywood, Isabella Allison Hood Owens.

Hokitika: Second Grade—Minnie Elizabeth Armstrong, Mary Nolan Dale, Veronica Edith May O'Brien, Jessie Isobella Sherriff, George Arnold Thomas, Thomas Frederick Trotter.

Highest marks in written paper: E. E. Parkerson, Auckland, 77.

Highest total marks for written oral, and practical: Margaret A. Boyd, Nelson, 261. (Average, 87.)

APPENDIX.

TABLE I.—SHOWING THE ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS IN MENTAL HOSPITALS DURING THE YEAR 1929.

	M.	F.	T.	M.	F.	T.
In mental hospitals, 1st January, 1929	..	..	..	3,274	2,628	5,902
Admitted for the first time	480	330	810	549	407	956
Readmitted	69	77	146			
Total under care during the year	..	..	..	3,823	3,035	6,858
Discharged and died—						
Recovered	145	144	289			
Relieved	30	28	58			
Not improved	22	16	38			
Died	227	153	380			
(Not including transfers—Males, 67; females, 23.)				424	341	765
Remaining in mental hospitals, 31st December, 1929	..	..	..	3,399	2,694	6,093
Increase over 31st December, 1928	..	..	..	125	66	191
Average number resident during the year	..	..	..	3,215	2,495	5,710

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 1929.

Mental Hospitals.		In Mental Hospitals on 1st January, 1929.			Admissions in 1929.									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	.. ..	660	554	1,214	89	85	174	23	13	36	5	1	6	777	653	1,430
Christchurch	.. ..	442	476	918	100	62	162	12	20	32	10	1	11	564	559	1,123
Dunedin (Seacliff)	.. ..	649	539	1,188	82	40	122	3	2	5	3	3	6	737	584	1,321
Hokitika	.. ..	144	61	205	11	7	18	1	1	2	34	13	47	190	82	272
Nelson	.. ..	289	137	426	27	6	33	2	3	5	..	..	..	318	146	464
Porirua	.. ..	820	688	1,508	129	97	226	21	27	48	3	4	7	973	816	1,789
Tokanui	.. ..	256	142	398	37	25	62	7	8	15	12	1	13	312	176	488
Ashburn Hall (private mental hospital)	.. ..	14	31	45	5	8	13	0	3	3	..	..	..	19	42	61
Totals	.. ..	3,274	2,628	5,902	480	330	810	69	77	146	67	23	90	3,890	3,058	6,948

Mental Hospitals.		Patients discharged, transferred, and died.												In Mental Hos- pitals on 31st December 1929.		
		Discharged recovered.			Discharged not recovered.			Transferred.			Died.						Total discharged, transferred, and died.
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Auckland	.. ..	14	29	43	19	16	35	4	2	6	48	37	85	85	84	169
Christchurch	.. ..	26	20	46	13	13	26	25	13	38	32	21	53	96	67	163
Dunedin (Seacliff)	.. ..	10	15	25	10	7	17	11	2	13	49	31	80	80	55	135
Hokitika	.. ..	4	1	5	..	..	..	..	..	..	11	5	16	15	6	21
Nelson	.. ..	6	10	16	1	1	2	11	0	11	16	7	23	34	18	52
Porirua	.. ..	74	55	129	6	3	9	12	3	15	58	43	101	150	104	254
Tokanui	.. ..	11	7	18	2	4	6	3	1	4	11	6	17	27	18	45
Ashburn Hall (private mental hospital)	.. ..	0	7	7	1	0	1	1	2	3	2	3	5	4	12	16
Totals	.. ..	145	144	289	52	44	96	67	23	90	227	153	380	491	364	855

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						659	519	1,178	12.50	29.69	20.47	7.28	7.26	7.21
Christchurch						418	463	881	23.21	24.27	23.70	7.65	4.53	6.01
Dunedin (Seacliff)						646	519	1,165	11.76	35.91	19.69	7.64	5.97	6.86
Hokitika						154	62	216	33.33	12.50	25.00	7.14	8.06	7.40
Nelson						283	121	404	20.69	11.11	42.10	5.65	5.78	5.69
Porirua						776	637	1,413	49.33	44.35	47.08	7.48	6.75	7.14
Tokanui						265	143	408	25.00	21.21	23.38	4.15	4.19	4.16
Ashburn Hall (private mental hospital)						14	31	45	0.00	63.63	50.00	14.28	9.67	11.11
Totals						3,215	2,495	5,710	26.41	35.37	30.23	7.06	6.13	6.65

TABLE III.—AGES OF ADMISSIONS.

Ages.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private Mental Hospital).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 5 years	0	1	1	3	0	3	1	0	1	..	..	..	1	0	1	1	1	2	..	..	..	..	..	..	6	2	8
From 5 to 10 years	..	..	..	4	1	5	1	0	1	..	..	..	4	0	4	2	2	4	..	..	..	..	..	..	11	3	14
" 10 " 15 "	0	1	1	12	2	14	0	1	1	0	1	1	5	0	5	4	3	7	3	2	5	..	..	..	24	10	34
" 15 " 20 "	10	2	12	14	4	18	7	2	9	2	1	3	2	0	2	15	4	19	2	0	2	..	..	..	52	13	65
" 20 " 30 "	16	15	31	21	9	30	19	5	24	1	2	3	1	2	3	21	16	37	10	7	17	0	2	2	89	58	147
" 30 " 40 "	16	19	35	21	21	42	17	11	28	2	1	3	4	1	5	30	28	58	5	5	10	0	3	3	96	88	184
" 40 " 50 "	27	25	52	16	18	34	10	12	22	3	0	3	4	2	6	29	29	58	5	10	15	0	4	4	94	100	194
" 50 " 60 "	15	15	30	11	14	25	8	6	14	2	1	3	0	3	3	22	19	41	9	5	14	1	1	2	68	64	132
" 60 " 70 "	8	7	15	4	7	11	8	3	11	1	0	1	3	1	4	14	13	27	3	2	5	1	0	1	42	33	75
" 70 " 80 "	10	8	18	4	6	10	10	2	12	0	2	2	3	1	4	6	2	8	5	1	6	1	1	2	39	23	62
" 80 " 90 "	6	3	9	2	0	2	2	0	2	1	0	1	1	0	1	6	6	12	1	0	1	0	1	1	19	10	29
" 90 " 100 "	..	..	..	..	..	..	1	0	1	..	..	..	..	..	..	0	1	1	..	..	..	1	0	1	2	0	2
Unknown	4	2	6	..	..	..	1	0	1	..	..	..	..	..	..	0	1	1	1	1	2	..	..	..	6	4	10
Transfers	5	1	6	10	1	11	3	3	6	34	13	47	..	..	..	3	4	7	12	1	13	..	..	..	67	23	90
Totals	117	99	216	122	83	205	88	45	133	46	21	67	29	9	38	153	128	281	56	34	90	5	11	16	616	430	1,046

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)	46	38	84	30	31	61	39	26	65	4	4	8	3	2	5	86	60	146	25	15	40	0	3	3	233	179	412
Second class (first attack above 3 months and within 12 months on admission)	13	11	24	4	3	7	6	6	12	1	1	2	1	1	2	22	22	44	5	1	6	4	1	5	56	46	102
Third class (not first attack, and within 12 months on admission)	23	22	45	23	21	44	11	1	12	2	1	3	1	5	6	17	29	46	7	13	20	0	4	4	84	96	180
Fourth class (first attack or not, but of more than 12 months on admission)	30	27	57	55	27	82	29	9	38	5	2	7	24	1	25	25	13	38	7	4	11	1	3	4	176	86	262
Transfers	5	1	6	10	1	11	3	3	6	34	13	47	..	..	..	3	4	7	12	1	13	..	..	..	67	23	90
Totals	117	99	216	122	83	205	88	45	133	46	21	67	29	9	38	153	128	281	56	34	90	5	11	16	616	430	1,046

TABLE V.—AGES OF PATIENTS DISCHARGED "RECOVERED" AND "NOT RECOVERED" DURING THE YEAR 1929.

Ages.	Auckland.		Christchurch.		Dunedin (Seacliff).		Hokitika.		Nelson.		Porirua.		Tokanui.		Ashburn Hall (Private M.H.).		Total.
	Re- covered.	Not re- covered.	Re- covered.	Not re- covered.	Re- covered.	Not re- covered.	Re- covered.	Not re- covered.	Re- covered.	Not re- covered.	Re- covered.	Not re- covered.	Re- covered.	Not re- covered.	Re- covered.	Not re- covered.	
Under 5 years	..	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
From 5 to 10 years	..	..	..	..	..	1 0 1	..	..	..	..	..	..	..	..	..	..	1 0 1
" 10 " 15 "	0 2 2	..	1 2 3	0 1 1	..	0 1 1	..	..	..	..	..	..	..	..	..	..	..
" 15 " 20 "	0 3 3	2 2 4	7 3 10	6 2 8	1 2 3	5 1 6	..	..	0 2 2	..	16 7 23	0 1 1	1 2 1	3 1 0	..	3 11 14	0 2 2
" 20 " 30 "	0 3 3	2 2 4	7 3 10	6 2 8	1 2 3	5 1 6	..	..	3 2 5	..	13 9 22	3 0 3	1 0 1	0 2 2	..	30 20 50	14 6 20
" 30 " 40 "	1 7 8	5 5 8	4 3 7	2 2 4	2 3 5	..	..	..	0 2 3	..	22 17 39	1 0 1	2 4 6	0 3 0	1 0 1	23 26 49	11 6 17
" 40 " 50 "	8 16 4	2 2 4	6 6 12	4 1 5	3 5 8	2 1 3	..	..	0 2 2	..	11 12 27	2 1 3	4 1 5	0 3 0	2 2 2	42 44 86	11 7 18
" 50 " 60 "	3 5 8	2 2 4	7 3 10	0 3 3	4 7 0	1 1 1	1 2	..	1 1 2	0 1	15 12 37	2 1 3	4 1 5	0 1 0	1 1	34 28 62	5 8 13
" 60 " 70 "	1 2 3	4 7 1	2 3 1	2 3 1	1 2 2	2 4	..	..	0 1 1	..	5 5 10	..	1 0 1	..	..	9 11 20	6 8 14
" 70 " 80 "	..	1 2 3	0 1 1	0 2 2	..	0 1 1	..	..	1 0 1	..	2 1 3	..	..	..	..	3 2 5	1 5 6
" 80 " 90 "	..	0 1 1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 2 3
" 90 " 100 "	1 2 3	2 0 2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	4 2 6	..	..	..	11 2 13	..	..	..	..	..	..	..	..	..	..	..
Transfers	..	..	..	25 13 38	..	..	..	..	..	..	12 3 15	..	..	..	..	..	67 23 90
Totals	14 29 43 23	18 41 26	20 46 38	26 64 10	15 25 21	9 30	4 1 5	..	6 10 16 12	1 13 74 55	129 18 6 24 11	7 18 5 5 10	0 7 7 2 2 4	145 144 289	119 67 186	119 67 186	119 67 186

TABLE VI.—AGES OF PATIENTS WHO DIED.

Agcs.	Auckland.	Christchurch.	Dunedin (Seacliff).	Hokitika.	Nelson.	Porirua.	Tokanui.	Ashburn Hall (Private M.H.).	Total.
Under 5 years	..	..	M. F. T. ..	M. F. T. ..	M. F. T. ..	M. F. T. ..	M. F. T. ..	M. F. T. ..	M. F. T. ..
From 5 to 10 years	..	..	1 0 1	1 0 2	2 0 2	0 1 1	..	..	3 0 3
" 10 15 "	..	..	2 0 2	..	..	1 0 1	..	..	2 1 3
" 15 20 "	..	..	..	..	..	..	..	..	4 1 5
" 20 30 "	..	..	..	..	1 0 1	2 3 5	..	..	6 5 11
" 30 40 "	..	1 0 1	1 1 2	..	..	7 3 10	1 0 1	..	15 8 23
" 40 50 "	..	0 0 1	1 1 1	0 2 2	..	7 3 10	1 1 2	0 1 1	29 21 50
" 50 60 "	..	6 5 11	7 6 13	1 0 1	2 1 3	11 8 19	1 3 4	1 1 2	42 29 71
" 60 70 "	..	8 7 15	7 6 13	3 0 3	2 2 4	16 3 19	3 1 4	0 1 1	54 28 82
" 70 80 "	..	12 5 17	14 8 22	2 1 3	2 2 4	7 11 18	3 0 3	1 0 1	42 33 75
" 80 90 "	..	8 10 18	9 8 17	2 1 3	4 1 5	7 8 15	2 0 2	..	25 23 48
" 90 100 "	..	5 4 9	7 6 13	1 1 2	2 1 3	0 2 2	..	..	3 2 5
" 100 "	..	1 0 1	1 0 1	..	1 0 1	0 1 1	..	..	2 2 4
Unknown	..	0 1 1	..	2 0 2	..	0 1 1	..	..	2 2 4
Totals	..	32 21 53	49 31 80	11 5 16	16 7 23	58 43 101	11 6 17	2 3 5	227 153 380

TABLE VII.—CONDITION AS TO MARRIAGE.

						Admissions.			Discharges.			Deaths.		
						M.	F.	T.	M.	F.	T.	M.	F.	T.
AUCKLAND														
Single ..	..	..	..	..	..	53	35	88	11	18	29	22	12	34
Married ..	..	..	..	..	..	40	47	87	17	23	40	17	16	33
Widowed ..	..	..	..	..	..	9	13	22	1	4	5	8	9	17
Unknown ..	..	..	..	..	..	10	3	13	4	0	4	1	0	1
Transfers ..	..	..	..	..	..	5	1	6	4	2	6			
Totals ..	..	..	..	..	..	117	99	216	37	47	84	48	37	85
CHRISTCHURCH—														
Single ..	..	..	..	..	..	78	35	113	23	18	41	15	10	25
Married ..	..	..	..	..	..	28	33	61	15	13	28	14	9	23
Widowed ..	..	..	..	..	..	6	14	20	1	2	3	3	2	5
Unknown ..	..	..	..	..	..	10	..	..	25	..	..	..	..	..
Transfers ..	..	..	..	..	..	..	1	11	..	13	38	..	..	..
Totals ..	..	..	..	..	..	122	83	205	64	46	110	32	21	53
DUNEDIN (SEACLIFF)—														
Single ..	..	..	..	..	..	66	20	86	11	8	19	28	10	38
Married ..	..	..	..	..	..	13	16	29	6	12	18	18	14	32
Widowed ..	..	..	..	..	..	6	6	12	3	2	5	3	7	10
Unknown ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Transfers ..	..	..	..	..	..	3	3	6	11	2	13	..	..	..
Totals ..	..	..	..	..	..	88	45	133	31	24	55	49	31	80
HOKITIKA—														
Single ..	..	..	..	..	..	8	4	12	3	0	3	8	1	9
Married ..	..	..	..	..	..	4	2	6	1	1	2	1	3	4
Widowed ..	..	..	..	..	..	0	2	2	..	..	..	1	1	2
Unknown ..	..	..	..	..	..	..	..	..	..	..	..	1	0	1
Transfers ..	..	..	..	..	..	34	13	47	..	..	..	..	..	..
Totals ..	..	..	..	..	..	46	21	67	4	1	5	11	5	16
NELSON—														
Single ..	..	..	..	..	..	24	3	27	6	4	10	10	3	13
Married ..	..	..	..	..	..	4	4	8	1	7	8	6	4	10
Widowed ..	..	..	..	..	..	1	2	3	..	..	..	..	..	..
Unknown ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Transfers ..	..	..	..	..	..	..	..	..	11	0	11	..	..	..
Totals ..	..	..	..	..	..	29	9	38	18	11	29	16	7	23
PORIRUA—														
Single ..	..	..	..	..	..	87	44	131	48	20	68	28	12	40
Married ..	..	..	..	..	..	51	64	115	31	28	59	23	15	38
Widowed ..	..	..	..	..	..	9	16	25	1	10	11	7	16	23
Unknown ..	..	..	..	..	..	3	0	3	..	..	..	..	..	..
Transfers ..	..	..	..	..	..	3	4	7	12	3	15	..	..	..
Totals ..	..	..	..	..	..	153	128	281	92	61	153	58	43	101
TOKANUI—														
Single ..	..	..	..	..	..	24	9	33	6	2	8	5	1	6
Married ..	..	..	..	..	..	15	21	36	7	7	14	3	4	7
Widowed ..	..	..	..	..	..	5	3	8	0	2	2	3	1	4
Unknown ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Transfers ..	..	..	..	..	..	12	1	13	3	1	4	..	..	..
Totals ..	..	..	..	..	..	56	34	90	16	12	28	11	6	17
ASHBURN HALL—														
Single ..	..	..	..	..	..	3	6	9	1	3	4	1	0	1
Married ..	..	..	..	..	..	1	4	5	0	4	4	0	1	1
Widowed ..	..	..	..	..	..	1	1	2	..	..	..	1	2	3
Unknown ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Transfers ..	..	..	..	..	..	..	..	..	1	2	3	..	..	..
Totals ..	..	..	..	..	..	5	11	16	2	9	11	2	3	5
TOTALS—														
Single ..	..	..	..	..	..	343	156	499	109	73	182	117	49	166
Married ..	..	..	..	..	..	156	191	347	78	95	173	82	66	148
Widowed ..	..	..	..	..	..	37	57	94	6	20	26	26	38	64
Unknown ..	..	..	..	..	..	13	3	16	4	0	4	2	0	2
Transfers ..	..	..	..	..	..	67	23	90	67	23	90	..	..	..
Totals ..	..	..	..	..	..	616	430	1,046	264	211	475	227	153	380

TABLE VIII.—NATIVE COUNTRIES.

Countries.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
England and Wales ..	118	96	214	68	80	148	81	51	132	34	8	42	17	17	34	164	112	276	60	21	81	4	4	8	546	389	935
Scotland ..	30	17	47	25	17	42	67	44	111	7	3	10	18	3	21	39	31	70	18	6	24	3	0	3	207	121	328
Ireland ..	45	33	78	20	28	48	41	38	79	17	6	23	10	1	11	54	52	106	15	14	29	..	..	..	202	172	374
New Zealand ..	344	341	685	335	340	675	427	358	785	83	54	137	220	98	318	457	445	902	147	102	249	8	24	32	2,021	1,762	3,783
Australian States ..	40	26	66	11	14	25	17	27	44	12	3	15	8	6	14	29	26	55	14	5	19	0	2	2	131	109	240
France ..	0	1	1	..	..	..	..	..	..	1	0	1	..	..	..	0	1	1	2	0	2	..	..	..	3	2	5
Germany ..	6	1	7	1	1	2	3	0	3	1	1	2	1	0	1	4	3	7	3	1	4	..	..	..	19	7	26
Austria ..	29	3	32	0	2	2	1	0	1	..	..	1	2	0	2	3	..	..	4	0	4	..	..	..	36	5	41
Norway ..	6	0	6	0	1	1	2	0	2	1	0	1	..	..	..	4	2	6	1	0	1	..	..	..	13	2	15
Sweden ..	4	1	5	2	0	2	3	0	3	3	0	3	1	0	1	8	2	10	2	0	2	..	..	..	17	3	20
Denmark ..	2	0	2	2	0	2	1	1	2	2	0	2	1	0	1	4	2	6	2	0	2	..	..	..	18	3	21
Italy ..	2	1	3	..	..	..	1	0	1	3	0	3	..	..	..	4	2	10	2	0	2	..	..	..	12	3	15
China ..	..	..	..	..	..	..	1	0	1	1	0	1	..	..	..	2	1	3	1	0	1	..	..	..	5	1	6
Maoris ..	20	22	42	2	0	2	..	..	13	7	0	7	5	2	7	18	12	30	3	8	11	..	..	..	49	44	93
Other countries ..	24	13	37	2	9	11	7	6	13	7	0	7	1	1	2	18	6	24	13	1	14	..	..	..	72	36	108
Unknown ..	22	14	36	..	..	..	5	4	9	2	1	3	..	..	..	19	16	35	..	..	..	..	..	..	48	35	83
Totals ..	692	569	1,261	468	492	960	657	529	1,186	175	76	251	284	128	412	823	712	1,535	285	158	443	15	30	45	3,399	2,694	6,093

TABLE IX.—AGES OF PATIENTS ON 31ST DECEMBER, 1929.

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	1	2	3	0	3	3	2	5	..	..	..	1	0	1	1	12	13	1	2	3	..	..	..	8	3	11
" 5 " 10 ..	0	2	2	6	5	11	1	3	4	..	..	33	0	33	1	8	16	24	5	3	8	..	..	..	42	24	66
" 10 " 15 ..	3	6	9	18	11	29	1	2	3	0	3	3	46	1	47	28	21	49	6	3	9	..	..	..	81	42	123
" 15 " 20 ..	23	11	34	28	10	38	16	12	28	2	3	5	36	5	41	106	74	180	27	16	43	0	1	1	139	65	204
" 20 " 30 ..	75	72	147	67	38	105	93	31	124	12	7	19	27	16	43	160	151	311	33	18	51	1	2	3	407	255	662
" 30 " 40 ..	120	99	219	89	69	158	110	82	192	15	8	23	26	12	38	204	156	360	67	46	113	3	8	11	554	441	995
" 40 " 50 ..	161	134	295	106	121	227	146	123	269	54	15	69	34	28	62	163	133	296	83	35	118	8	15	6	775	631	1,406
" 50 " 60 ..	148	117	265	73	127	200	124	126	250	39	23	62	30	22	52	163	133	296	83	35	118	1	5	6	661	588	1,249
" 60 " 70 ..	82	72	154	39	71	110	81	100	181	39	10	49	34	26	60	94	92	186	38	20	58	8	7	15	415	398	813
" 70 " 80 ..	48	34	82	34	33	67	59	38	97	6	3	9	12	10	22	49	32	81	16	12	28	2	6	8	226	168	394
" 80 " 90 ..	10	9	19	5	6	11	13	8	21	4	2	6	3	5	8	9	24	33	2	2	4	0	1	1	46	57	103
Upwards of 90 ..	1	0	1	0	1	1	1	0	1	0	1	1	1	0	1	1	0	1	..	..	..	..	..	..	4	2	6
Unknown ..	20	12	32	..	..	..	9	2	11	4	1	5	1	3	4	0	1	1	7	1	8	..	..	..	41	20	61
Totals ..	692	569	1,261	468	492	960	657	529	1,186	175	76	251	284	128	412	823	712	1,535	285	158	443	15	30	45	3,399	2,694	6,093

TABLE X.—LENGTH OF RESIDENCE OF PATIENTS WHO DIED DURING 1929.

Length of Residence.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Under 1 month ..	6	3	9	3	1	4	2	3	5	1	0	1	1	2	3	0	1	1	1	3	4	1	14	13	27
From 1 to 3 months	6	1	7	2	0	2	2	2	4	..	..	..	2	0	2	2	0	6	15	4	0	1	1	1	
" 3 " 6 "	1	4	5	5	3	8	7	3	10	1	0	1	8	2	0	1	0	2	10	1	0	1	..	..	
" 6 " 9 "	2	3	5	2	2	4	2	0	2	..	..	..	5	1	6	1	0	6	5	1	0	1	..	..	
" 9 " 12 "	1	1	2	1	0	1	3	1	4	..	..	..	1	2	3	1	0	1	5	1	0	1	7	4	
" 1 " 2 years	3	8	11	2	1	3	4	2	6	1	0	1	5	5	10	0	1	1	10	0	1	1	19	17	
" 2 " 3 "	3	2	5	5	0	5	5	2	7	2	0	1	7	4	11	2	0	1	7	4	0	1	23	9	
" 3 " 5 "	7	2	9	1	2	3	3	5	8	0	3	3	4	1	13	1	1	2	4	9	1	1	17	22	
" 5 " 7 "	1	0	1	3	4	7	3	4	7	1	0	1	3	1	4	0	1	1	3	0	1	1	11	5	
" 7 " 10 "	4	5	9	3	4	7	0	1	1	..	..	..	2	1	1	0	1	3	1	1	..	..	9	13	
" 10 " 12 "	2	2	4	1	0	1	1	0	1	..	..	..	1	2	3	1	0	3	..	..	..	0	1	9	
" 12 " 15 "	3	2	5	0	2	2	1	1	2	1	0	1	2	3	3	1	0	1	1	0	1	1	1	7	
Over 15 years ..	7	4	11	6	6	12	15	7	22	6	1	7	10	7	17	2	0	2	10	7	17	1	48	28	
Died while absent on trial	2	0	2	1	0	1	1	0	1	0	1	1	2	1	3	2	1	3	2	1	3	..	6	2	
Totals ..	48	37	85	32	21	53	49	31	80	11	5	16	58	43	101	11	6	17	2	3	5	227	153	380	

TABLE XI.—LENGTH OF RESIDENCE OF PATIENTS DISCHARGED "RECOVERED" DURING 1929.

Length of Residence.	Auckland.			Christchurch.			Dunedin (Seacliff).			Hokitika.			Nelson.			Porirua.			Tokanui.			Ashburn Hall (Private M.H.).			Total.
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Under 1 month ..	1	1	2	1	1	2	1	0	1	1	0	1	0	1	0	1	0	2	1	0	1	0	2	2	8
From 1 to 3 months	1	4	5	2	0	4	2	0	1	1	1	0	1	1	2	6	11	7	2	2	4	0	2	2	18
" 3 " 6 "	4	6	10	2	4	6	2	4	1	1	1	0	1	2	14	11	25	0	2	1	3	0	2	2	31
" 6 " 9 "	4	6	10	1	3	4	1	3	4	..	..	..	..	2	12	11	23	7	9	3	1	4	..	..	33
" 9 " 12 "	1	3	4	0	2	2	0	2	2	..	..	..	..	1	7	9	16	0	3	1	4	..	..	..	25
" 1 " 2 years	3	5	8	2	1	3	0	1	3	..	..	..	..	1	12	12	33	21	12	3	3	0	1	1	12
" 2 " 3 "	0	1	1	1	1	2	1	1	2	2	0	2	0	1	1	8	4	12	8	20	3	24	24	58	
" 3 " 5 "	0	2	2	0	2	2	0	0	2	2	2	0	1	1	1	3	5	8	3	11	14	3	11	14	
" 5 " 7 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3	..	..	..	..	..	..	3
" 7 " 10 "	0	1	1	0	1	1	0	1	1	1	0	1	1	..	..	1	..	1	..	..	..	..	..	..	3
" 10 " 12 "	..	..	..	1	0	1	1	0	1	..	..	..	..	..	..	1	0	1	..	..	..	..	..	..	0
" 12 " 15 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
" 15 " 20 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Over 20 years ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1	..	..	..	..	..	..	1
Totals ..	14	29	43	10	15	25	4	1	5	6	10	16	74	55	129	0	7	7	11	7	18	0	7	7	145

TABLE XII.—CAUSES OF DEATH, 1929.

Causes.	Auckland.	Christchurch.	Dunedin (Seacliff).	Hokitika.	Nelson.	Portra.	Timaru.	Ashburn Hall (Private Men- tal Hospital).	Total.
I. GENERAL DISEASES.									
Tuberculosis—	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
General .. .. .	.. ..	.. ..	0 1	.. ..	.. ..	4 3	.. ..	.. ..	4 4
Of lungs	2 1	1 1	2 0	1 0	1 0	.. ..	.. ..	.. ..	7 2
Of brain	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Of spine .. .. .	.. ..	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
Typhoid fever .. .. .	.. ..	1 0	.. ..	0 2	.. ..	.. ..	.. ..	.. ..	1 2
Dysentery	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
Cancer	1 1	1 0	0 1	1 0	0 1	2 0	.. ..	0 1	5 4
Influenza .. .. .	.. ..	0 1	0 3	.. ..	.. ..	0 1	.. ..	.. ..	0 5
Toxæmia .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	1 0
Pernicious anæmia .. .. .	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
Septicæmia .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	.. ..	0 1
II. DISEASES OF THE NERVOUS SYSTEM.									
Mania, exhaustion from	2 2	1 0	.. ..	.. ..	.. ..	1 1	.. ..	.. ..	4 3
Melancholia, exhaustion from	0 2	1 1	2 2	.. ..	.. ..	1 1	.. ..	.. ..	4 6
Cerebral syphilis .. .. .	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	.. ..	.. ..	0 1
General paralysis of insane	6 0	7 0	6 0	.. ..	1 0	13 1	3 0	.. ..	36 1
Organic brain-disease	2 0	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	2 1
Epilepsy	4 3	2 3	4 0	.. ..	.. ..	4 2	0 1	.. ..	14 9
Meningitis	1 0	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	2 0
Cerebral hæmorrhage	3 5	2 0	2 2	.. ..	1 0	1 0	.. ..	.. ..	9 7
III. DISEASES OF THE RESPIRATORY SYSTEM.									
Pneumonia	4 3	1 0	2 2	1 0	1 3	2 4	0 1	0 1	11 14
Bronchitis .. .. .	.. ..	.. ..	1 0	.. ..	.. ..	1 2	.. ..	.. ..	2 2
Empyema .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	.. ..	0 1
IV. DISEASES OF THE CIRCULATORY SYSTEM.									
Heart-disease	9 5	2 4	16 10	1 0	2 1	14 14	1 3	1 0	46 37
Arterio-sclerosis	1 0	0 1	.. ..	1 0	.. ..	0 3	1 0	.. ..	3 4
Gangrene .. .. .	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	1 0
Thrombosis .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	1 0
V. DISEASES OF THE DIGESTIVE SYSTEM.									
Intestinal obstruction .. .. .	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	1 0
Cholæmia .. .. .	.. ..	.. ..	.. ..	.. ..	.. ..	0 1	.. ..	.. ..	0 1
Peritonitis .. .. .	.. ..	1 1	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	1 2
VI. DISEASES OF THE GENITO-URINARY SYSTEM.									
Nephritis	0 1	.. ..	.. ..	.. ..	.. ..	1 0	1 0	.. ..	2 1
Ovarian cyst .. .. .	.. ..	.. ..	0 1	.. ..	.. ..	.. ..	.. ..	.. ..	0 1
Uræmia .. .. .	.. ..	1 0	.. ..	.. ..	1 0	.. ..	0 1	.. ..	2 1
VII. OLD AGE.									
Senile decay	10 13	9 8	13 0	5 2	5 1	10 7	5 0	1 1	58 32
VIII. EXTERNAL CAUSES.									
Fracture of skull .. .. .	.. ..	1 0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 0
Shock from scalds .. .. .	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	1 0
Fractured femur .. .. .	.. ..	.. ..	.. ..	.. ..	1 0	.. ..	.. ..	.. ..	1 0
IX. DIED WHILE ON TRIAL.									
.. .. .	2 0	1 0	1 6	0 1	.. ..	2 1	.. ..	.. ..	6 8
Totals	48 37	32 21	49 31	11 5	16 7	58 43	11 6	2 3	227 153

TABLE XIII.—PRINCIPAL ASSIGNED CAUSES OF INSANITY, 1929.

Causes.	Auckland.		Christchurch.		Dunedin (Seacliff).		Hokitika.		Nelson.		Porirua.		Tokanui.		Ashburn Hall (P.M.H.).		Total.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Heredity	9	7	24	20	9	2	..	..	5	3	7	7	3	2	0	5	57	46
Congenital	9	7	38	13	22	2	2	0	8	1	18	8	7	5	..	..	104	36
Previous attack ..	20	11	6	10	11	6	3	1	..	..	21	27	1	3	0	2	62	60
Puberty or adolescence ..	6	5	11	3	3	0	1	3	..	..	18	8	5	2	..	..	44	21
Climacteric	0	11	0	12	0	6	0	1	..	..	0	16	0	1	..	..	0	47
Senility	19	15	8	9	15	4	2	2	4	1	19	19	9	2	1	1	77	53
Involution	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Lactation	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	1	0	1
Puerperal	0	4	..	..	0	1	..	..	..	..	0	3	0	2	..	..	0	10
Pregnancy	..	..	..	..	..	..	..	..	..	..	0	2	..	..	..	..	0	2
Mental stress, prolonged ..	23	23	7	6	1	2	..	..	3	3	25	21	6	7	..	..	65	62
Alcohol	4	2	6	2	9	1	3	0	4	0	13	3	..	..	1	0	40	8
Syphilis	9	0	5	3	3	1	1	0	..	..	10	4	3	1	..	..	31	9
Post-operative	0	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1	0	2
Traumatic	1	0	..	..	..	..	..	..	2	0	2	0	..	..	..	..	5	0
Epilepsy	9	5	3	3	4	2	..	..	..	..	6	1	0	1	0	1	22	13
Encephalitis	0	1	2	0	1	0	..	..	..	..	..	..	..	..	..	..	3	1
Influenza	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	2	1
Phthisis	0	1	..	..	..	..	..	..	..	..	1	0	..	..	..	..	1	1
Ill health	..	..	..	..	2	0	..	..	..	..	3	1	1	3	..	..	6	4
Toxic	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	2	2
Cerebral hæmorrhage ..	..	..	..	..	..	..	..	..	1	0	1	0	..	..	1	0	3	0
Arterio-sclerosis	..	..	2	1	..	..	..	..	..	..	1	1	3	1	..	..	6	3
Organic brain-disease ..	1	1	..	..	3	2	..	..	..	..	..	..	..	..	..	..	4	3
Solitude	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	1	0
Heart-disease	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..	..	0	1
Hysteria	..	..	..	..	..	..	..	..	..	..	0	1	..	..	..	..	0	1
Diabetes	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	1
Privation	..	..	..	..	..	..	..	..	..	..	3	0	..	..	..	..	3	0
Insomnia	..	..	..	..	..	..	..	..	0	1	..	..	..	..	..	..	0	1
Drug habit	0	1	..	..	..	..	..	..	..	..	0	1	..	..	..	..	0	2
Unknown	1	2	..	..	2	12	0	1	2	0	..	..	4	1	1	0	10	16
Transfers	5	1	10	1	3	3	34	13	..	..	3	4	12	1	..	..	67	23
Totals	117	99	122	83	88	45	46	21	29	9	153	128	56	34	5	11	616	430

TABLE XIV.—FORMER OCCUPATIONS OF PATIENTS.

Occupations.										Occupations.									
Auckland.	Christchurch.	Dunedin (Seacliff).	Hokitika.	Nelson.	Porirua.	Tokanui.	Asburn Hall (P.M.H.).	Total.		Auckland.	Christchurch.	Dunedin (Seacliff).	Hokitika.	Nelson.	Porirua.	Tokanui.	Asburn Hall (P.M.H.).	Total.	
MALES.																			
Actor ..	1							1	Journalists ..				1					2	
Agents ..	2							2	Labourers ..	35	33	39		6	53	11		177	
Apprentice ..	1							1	Machinist ..						1			1	
Auctioneer ..		1						1	Manager ..								1	1	
Baker ..		1						1	Meter-inspector ..	1								1	
Bank-manager ..					1			1	Milk-tester ..							1		1	
Barman ..			1					1	Miners ..	2		2	1	1				6	
Basketmaker ..	1							1	Motor-drivers ..	1					1			2	
Boatbuilder ..			1					1	Motor-mechanics ..	1	1				1	1		4	
Boilermaker ..		1						1	Painters ..	1						2		3	
Boardinghouse-keeper ..						1		1	Pensioners ..	1	3	3	3		2			12	
Bookseller ..		1						1	Plumbers ..		1				1			2	
Bootmaker ..					1			1	Porters ..						3			3	
Blacksmiths ..	1			1	2			4	Presser ..		1							1	
Brickmaker ..	1							1	Printer ..		1							1	
Bushman ..			1					1	Prisoners ..	6					1			7	
Butcher ..				1				1	Rabbitier ..		1							1	
Caretakers ..	2							2	Railway-employees ..	1					1	1		3	
Carpenters ..	6	1	1		5			13	Reader ..		1							1	
Carriers ..		2	2		1	1		6	Saddlers ..		1				1			2	
Chemist ..					1			1	Salesmen ..	3								3	
Civil servants ..		1			3			4	School-teacher ..							1		1	
Clergyman ..						1		1	Seamen ..	2	2	1			2			7	
Clerks ..	4				5			9	Shearer ..						1			1	
Confectioners ..		1			1			2	Shepherd ..						1			1	
Contractor ..					1			1	Soldier ..						1			1	
Dealers ..	1	1						2	Solicitor ..						1			1	
Drill instructor ..		1						1	Stable hand ..						1			1	
Driver ..		1						1	Steward ..		1							1	
Drovers ..					1	1		2	Storemen ..	1	1	1	1		1			5	
Electrician ..		1						1	Students ..			3			1			5	
Engineers ..		2			4			6	Surveyor ..					1				1	
Engine-driver..					1			1	Tailors ..	2								2	
Factory hands ..		1			1			2	Taxi-proprietor ..		1							1	
Farmers ..	13	6	5	1	2	15	6	3	Timber-workers ..						2			2	
Farm hands ..		1	3		5		4		Travellers ..	1	1							2	
Fireman ..					1			1	Watchmaker ..			1						1	
Fisherman ..		1						1	Wool-classers ..	1					1			2	
Fruiterers ..						2		2	No occupation ..	21	36	13	2	12	21	11		116	
Gardeners ..		5			5		1	11	Unknown ..	1		1						2	
Grocer ..					1			1	Transfers ..	5	10	3	34		3	12		67	
Gun-diggers ..	3							3											
Hairdresser ..					1			1	Totals ..	117	122	88	46	29	153	56	5	616	
Insurance agents ..	2							2											
FEMALES.																			
Advertising-agent ..		1						1	Pensioners ..		3							3	
Artist ..	1							1	School-teacher ..							1		1	
Civil servant ..					1			1	Shop-assistant ..							1		1	
Clerk ..	1							1	Traveller ..	1									
Cook ..					1			1	Typists ..	1	1	1						3	
Domestic duties ..	68	65	32	4	6	17	29	6	Students ..	1			1					2	
Dressmakers ..		3	1	1				5	No occupation ..	22	6	4	2		3	3	2	42	
Journalist ..							1	1	Unknown ..	1		1			3			5	
Laundress ..					1			1	Transfers ..	1	1	3	13		4	1		23	
Milliner ..		1						1											
Music-teachers ..	1	1						2	Totals ..	99	83	45	21	9	128	34	11	430	
Nurses ..	1	2	2			1		1											

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.			M.			F.			M.			M.			M.			M.			M.		
	T.	F.	T.	T.	F.	T.	T.	F.	T.	T.	F.	T.	T.	F.	T.	T.	F.	T.	T.	F.	T.	T.	F.	T.	T.	F.	T.
1875	221	117	338	79	208	17	8	25	10	8	10	36	48	482	254	736	491	257	748	54	53	66	01	57	56	8	21
1876	250	112	362	57	180	20	5	25	5	2	5	42	63	581	264	783	541	277	818	49	20	50	80	49	72	7	76
1877	247	131	378	68	189	14	4	28	4	4	8	55	71	638	319	957	601	303	904	48	98	51	90	50	00	8	48
1878	248	151	399	112	76	14	13	28	13	9	4	55	16	695	361	1,056	666	337	1,003	45	16	50	33	47	11	8	25
1879	229	149	378	67	167	36	25	61	7	2	7	54	20	729	396	1,125	703	371	1,074	43	66	44	96	44	17	7	68
1880	232	127	359	65	158	41	36	77	9	2	11	49	14	769	406	1,175	747	388	1,135	40	08	51	10	44	01	6	29
1881	267	152	419	59	154	49	32	81	6	11	60	60	19	827	442	1,269	796	421	1,217	35	58	38	81	36	75	4	51
1882	265	166	421	78	180	13	20	33	10	9	19	65	18	802	483	1,375	860	475	1,335	40	00	46	98	42	75	7	55
1883	238	153	391	77	166	17	9	26	12	30	68	83	92	938	514	1,452	911	497	1,408	37	39	50	32	42	45	7	46
1884	246	133	379	95	76	171	10	5	15	25	2	73	22	981	542	1,523	965	528	1,493	38	62	57	14	45	12	7	56
1885	207	165	372	99	60	159	11	17	28	12	7	57	19	1,009	604	1,613	984	559	1,543	47	82	36	36	42	74	5	79
1886	255	161	416	103	78	34	17	51	3	3	5	74	27	1,053	643	1,696	1,034	613	1,647	40	39	48	75	43	61	7	15
1887	215	146	361	92	208	31	28	59	61	3	4	70	30	1,041	687	1,761	1,046	660	1,707	40	43	32	92	37	34	6	69
1888	230	161	391	93	146	31	30	61	4	1	4	76	35	1,074	687	1,761	1,046	660	1,707	40	43	32	92	37	34	7	05
1889	230	160	390	88	186	23	24	57	5	17	7	76	35	1,115	734	1,849	1,089	699	1,789	37	61	43	27	40	00	7	25
1890	234	171	405	88	74	162	33	24	14	12	10	79	41	1,229	810	2,039	1,172	758	1,930	35	94	49	72	41	30	6	66
1891	231	158	389	89	76	165	21	17	38	8	2	74	34	1,308	860	2,168	1,241	812	2,053	39	63	43	13	41	03	5	16
1892	281	179	460	101	89	190	17	12	26	5	4	64	35	1,329	885	2,214	1,313	849	2,162	41	67	46	66	43	64	7	69
1893	270	176	446	107	76	183	15	11	26	9	8	64	35	1,440	925	2,315	1,347	882	2,229	37	41	44	02	39	13	6	38
1894	282	165	417	105	77	182	24	19	43	1	2	86	32	1,472	1,008	2,480	1,438	973	2,411	44	88	51	89	48	07	6	12
1895	278	159	437	104	70	174	25	16	41	2	1	105	43	1,512	1,045	2,557	1,487	1,004	2,491	33	98	49	49	40	83	7	67
1896	284	193	477	102	73	175	17	12	29	10	8	88	60	1,581	1,091	2,672	1,534	1,049	2,583	34	33	47	54	39	64	6	45
1897	254	212	466	114	110	224	13	23	36	7	1	114	43	1,654	1,119	2,773	1,622	1,094	2,716	39	06	46	64	42	17	7	41
1898	259	199	458	88	99	187	15	19	34	2	1	120	55	1,715	1,133	2,848	1,671	1,114	2,785	38	35	51	56	43	01	7	18
1899	300	202	502	103	96	199	29	10	39	4	3	146	67	1,771	1,188	2,959	1,741	1,160	2,901	40	56	44	69	42	17	7	41
1900	320	223	543	125	104	229	20	17	37	2	2	168	64	1,801	1,237	3,038	1,780	1,198	2,978	47	59	44	91	46	30	6	74
1901	352	192	544	135	99	234	26	15	41	10	9	147	87	1,836	1,276	3,112	1,796	1,232	3,028	41	39	48	21	44	19	8	18
1902	352	236	568	157	106	263	24	11	35	1	1	186	97	1,909	1,331	3,240	1,851	1,285	3,136	44	29	57	68	49	84	9	08
1903	360	251	611	149	121	270	29	24	53	1	1	148	74	1,997	1,417	3,414	1,894	1,346	3,240	42	25	45	91	43	82	7	81
1904	395	264	659	157	126	283	28	22	50	1	1	168	64	2,083	1,465	3,548	1,970	1,404	3,374	42	72	57	24	48	74	6	90
1905	359	241	600	160	139	299	22	13	35	1	1	186	97	2,160	1,510	3,670	2,028	1,445	3,473	38	40	46	18	41	50	9	17
1906	419	297	716	179	146	326	9	12	21	1	1	198	105	2,220	1,536	3,756	2,105	1,496	3,601	36	38	53	00	43	27	9	41
1907	474	314	788	182	145	327	29	27	56	2	2	198	105	2,273	1,536	3,756	2,105	1,496	3,601	36	38	53	00	43	27	9	41
1908	448	317	765	163	168	331	23	16	39	4	2	198	105	2,332	1,632	3,964	2,252	1,597	3,849	37	55	50	94	42	98	8	70
1909	458	381	839	184	141	325	17	44	61	1	1	193	87	2,408	1,703	4,111	2,309	1,641	3,950	40	67	45	12	42	51	8	36
1910	466	318	784	175	162	337	35	48	83	1	5	196	111	2,448	1,752	4,200	2,391	1,703	4,094	44	88	43	21	44	88	7	19
1911	509	359	868	207	162	369	27	29	56	6	9	202	112	2,555	1,820	4,375	2,483	1,768	4,251	30	89	47	37	37	66	8	42
1912	450	361	811	202	157	359	26	32	58	10	15	209	80	2,555	1,820	4,375	2,483	1,768	4,251	30	89	47	37	37	66	8	42
1913	466	318	784	175	162	337	35	48	83	1	5	196	111	2,448	1,752	4,200	2,391	1,703	4,094	44	88	43	21	44	88	7	19
1914	509	359	868	207	162	369	27	29	56	6	9	202	112	2,555	1,820	4,375	2,483	1,768	4,251	30	89	47	37	37	66	8	42
1915	450	361	811	202	157	359	26	32	58	10	15	209	80	2,555	1,820	4,375	2,483	1,768	4,251	30	89	47	37	37	66	8	42
1916	518	361	879	160	171	331	35	34	69	7	8	209	80	2,555	1,820	4,375	2,483	1,768	4,251	30	89	47	37	37	66	8	42

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

Year.	Admitted.			Recovered.			Discharged.			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.
1917	476	374	844	171	152	323	32	20	52	6	5	11	2,611	1,904	4,515	2,543	1,825	4,368	36.38	40.64	38.27	8.06	6.19	7.28
1918	437	402	839	142	141	283	17	36	53	12	12	24	2,603	1,943	4,546	2,602	1,899	4,501	32.49	35.07	33.73	10.53	9.16	9.95
1919	512	371	883	190	147	337	37	44	81	9	13	22	2,667	1,980	4,647	2,620	1,907	4,527	37.11	39.62	38.17	8.09	6.82	7.55
1920	455	418	873	162	148	310	27	37	64	6	10	16	2,717	2,037	4,754	2,674	1,980	4,654	35.63	35.32	35.51	7.85	8.40	8.08
1921	479	402	881	178	193	371	30	21	51	15	9	24	2,772	2,099	4,871	2,723	2,031	4,754	37.23	47.88	42.11	7.38	5.76	6.69
1922	453	386	839	156	157	313	32	20	52	10	8	18	2,816	2,116	4,932	2,747	2,062	4,809	34.44	40.67	37.31	7.67	8.92	8.21
1923	442	366	808	168	151	319	42	38	80	15	5	20	2,839	2,157	4,996	2,789	2,079	4,868	38.00	41.25	39.48	6.95	6.30	6.67
1924	446	377	823	152	152	304	30	42	72	9	11	20	2,873	2,258	5,131	2,808	2,146	4,953	34.08	33.95	34.02	7.87	4.42	6.37
1925	445	430	875	144	175	319	29	37	66	23	17	40	2,921	2,336	5,257	2,830	2,203	5,033	32.36	40.69	36.45	7.45	5.57	6.43
1926	508	439	947	136	145	281	27	35	62	15	25	40	3,044	2,423	5,467	2,926	2,287	5,213	26.18	30.75	29.67	6.16	6.42	6.77
1927	531	414	945	157	198	285	40	42	82	14	9	23	3,147	2,526	5,673	3,022	2,373	5,395	29.56	30.91	30.16	7.17	5.65	6.47
1928	506	450	956	115	134	249	40	40	80	17	13	30	3,274	2,628	5,902	3,120	2,459	5,579	22.72	29.77	26.04	6.63	6.55	6.59
1929	549	407	956	145	144	289	30	28	58	22	16	38	3,399	2,694	6,093	3,215	2,495	5,710	26.41	35.37	30.23	7.03	6.13	6.65
	19,087	13,893	32,980	7,244	6,074	13,318	1,377	1,258	2,635	403	297	700	7,146	3,824	10,970	..	..	..	..	..	..	..	..	..

Excluding transfers between institutions—1,639 males, 1,064 females.

TABLE XVI.—SHOWING THE ADMISSIONS, DISCHARGES, AND DEATHS FROM 1ST JANUARY, 1876, TO 31ST DECEMBER, 1929 (EXCLUDING TRANSFERS).

In hospitals, 31st December, 1875	..	..	..	..	M.	F.	T.
Admissions	..	..	..	..	482	254	736
					19,087	13,893	32,980
					19,569	14,147	33,716
Discharged—					M.	F.	T.
Recovered..	..	..	..	..	7,244	6,074	13,318
Relieved ..	..	..	..	..	1,377	1,258	2,635
Not improved	..	..	..	..	403	297	700
Died ..	..	..	..	..	7,146	3,824	10,970
					16,170	11,453	27,623
Remaining on 31st December, 1929	..	..	..	..	3,399	2,694	6,093

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

	Males.	Females.	Both Sexes.
Recovered	37.95	43.72	40.80
Relieved	7.21	9.05	7.99
Not improved	2.11	2.14	2.12
Died	37.44	27.52	33.26
Remaining	15.29	17.57	15.83
	100.00	100.00	100.00

TABLE XVIII.—DEBITS FOR THE FINANCIAL YEAR, 1929-30.

	Auckland.			Christchurch.			Dunedin.			Hokitika.			Nelson.			Portra.			Tokauu.			Head Office.			Total.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Salaries ..	41,299	19	6	45,063	7	1	56,807	7	2	16,142	1	9	20,895	19	0	54,035	19	8	22,108	0	2	6,695	15	8	293,048	10	0
Official visitors ..	50	8	0	18	18	0	..	..	..	9	9	0	..	..	..	27	1	8	25	0	0	..	..	..	130	16	8
Advertising, books, &c. ..	3	14	9	11	17	5	21	7	0	26	9	9	4	18	3	27	4	3	18	7	3	7	6	5	121	5	1
Bacteriological research ..	..	..	..	12	17	6	0	1	0	..	..	..	1	5	6	12	13	4	2	2	0	..	..	..	28	19	4
Bedding and clothing ..	6,272	13	8	4,149	2	4	5,994	14	11	1,144	18	11	1,859	14	10	6,670	13	7	2,841	7	6	..	..	..	28,933	5	9
Buildings, including additions, &c. ..	1,465	8	10	1,411	17	0	1,583	3	1	299	6	6	361	7	10	1,079	13	5	695	1	11	..	..	..	6,895	18	7
Dental services ..	1	5	0	111	17	10	17	13	6	0	17	6	72	12	8	113	14	10	6	10	0	..	..	..	324	11	4
Developmental ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	285	6	1	..	..	..	285	6	1
Farms, maintenance of ..	1,309	15	1	1,725	8	7	1,613	1	6	256	8	0	2,112	11	6	2,062	17	10	4,601	2	10	..	..	..	13,681	5	4
Fencing, draining, and roading ..	116	18	4	227	14	7	38	4	6	51	0	4	101	8	2	134	19	1	394	6	9	..	..	..	1,064	11	9
Freight, cartage, and transport ..	81	10	5	178	0	3	509	10	6	29	11	4	181	15	2	211	16	5	141	8	10	0	2	8	1,333	15	7
Fuel, light, water, &c. ..	6,237	15	5	6,796	13	3	5,390	0	9	1,023	13	10	2,533	12	0	6,487	10	6	2,478	4	6	59	9	2	31,006	19	5
Funeral expenses ..	63	15	0	58	0	0	55	8	0	11	5	0	29	10	0	122	12	6	39	5	0	..	..	..	379	15	6
Furniture and furnishings ..	1,039	9	9	547	16	0	522	19	2	86	3	4	252	12	4	635	12	6	347	12	8	14	3	9	3,446	9	6
Expenses of Eugenics Board ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	86	18	10	86	18	10	..
Gardens and shrubberies, expenses of ..	66	5	3	124	2	6	30	9	3	6	11	6	17	8	9	55	14	11	8	1	7	..	..	..	308	13	9
Grants to officer on retirement ..	..	..	..	..	..	..	250	5	0	..	..	..	..	..	..	..	..	..	..	..	250	5	0	250	5	0	..
Laundry ..	312	9	11	333	16	8	1,527	10	3	909	10	1	62	5	1	407	7	3	154	0	1	..	..	..	3,706	19	4
Legal and inquiry costs ..	..	..	..	1	15	0	..	..	..	1	2	0	0	10	6	59	19	0	..	..	..	..	..	..	63	6	6
Machinery, repairs, and stores ..	152	2	0	225	2	10	284	4	10	6	18	7	109	19	7	119	10	1	117	10	1	..	..	..	1,015	8	0
Medical fees ..	551	1	6	461	8	0	286	12	0	46	0	6	54	18	8	631	11	6	162	18	0	..	..	..	2,194	10	2
Motor-vehicles, maintenance of ..	14	18	4	171	15	4	197	16	0	15	19	3	120	13	5	99	17	11	164	3	8	..	..	..	785	3	11
Motor-vehicles, purchase of ..	..	..	..	229	15	0	..	..	..	..	..	..	..	..	..	..	..	..	224	15	0	..	..	..	454	10	0
Nursing staff uniforms ..	377	9	3	316	18	8	425	14	3	131	19	10	90	18	7	363	18	3	115	15	1	36	1	4	1,822	13	11
Office equipment ..	0	10	7	26	2	9	45	12	5	3	8	0	1	19	0	0	14	0	1	12	5	..	..	..	116	0	6
Patients, expenses connected with—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gratuities ..	116	15	10	16	4	11	113	5	2	36	10	4	141	0	8	145	0	3	44	18	10	..	..	..	613	16	0
Patients' friends ..	..	..	..	..	..	..	100	0	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	100	0	0
Recreation ..	1,143	10	5	982	17	10	1,132	2	9	356	1	5	533	8	3	1,438	3	9	684	1	3	..	..	..	6,270	5	8
Transfers ..	7	6	7	81	17	9	32	19	7	0	6	4	52	13	1	207	7	9	12	13	2	..	..	..	395	4	3
Postages and telegrams ..	94	14	0	95	15	6	108	10	2	15	0	0	38	10	11	133	6	1	47	17	9	179	15	11	713	10	4
Printing and stationery ..	293	18	9	228	18	5	217	4	7	68	6	2	82	12	11	198	16	6	88	14	9	129	13	5	1,308	5	6
Rations ..	16,988	5	9	11,787	16	7	20,722	1	10	4,454	17	7	5,900	4	1	22,997	10	7	4,543	11	7	..	..	..	87,394	8	0
Rents and rates ..	..	..	..	2,298	4	6	179	11	4	..	..	..	..	..	..	..	..	..	..	..	778	10	0	3,256	5	10	
Stores ..	687	3	5	721	18	2	840	8	2	154	0	0	199	2	10	946	5	10	460	2	10	..	..	..	4,009	1	3
Surgery and dispensary—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Drugs and instruments ..	507	15	3	396	14	5	402	8	1	81	19	4	217	11	3	551	0	9	129	17	1	..	..	..	2,287	6	2
Wines, spirits, ale, and porter ..	..	..	..	7	19	11	19	6	0	..	..	..	1	15	0	23	0	10	..	..	..	..	..	..	52	1	9
Telephone services ..	30	13	7	108	18	0	184	8	0	34	13	8	93	7	4	161	8	8	55	13	4	98	14	5	767	17	0
Transfer and removal expenses ..	38	6	10	4	13	7	175	18	1	95	4	10	..	..	..	45	4	8	34	4	3	45	4	8	438	16	11
Travelling-allowances ..	32	0	0	53	8	0	58	16	9	..	..	..	103	11	10	2	10	4	42	8	9	263	17	1	556	12	9
Travelling-expenses ..	81	11	3	81	15	1	206	5	4	31	2	3	36	15	2	88	8	8	60	13	1	307	9	0	893	19	10
Treatment and maintenance in general hospitals—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Patients ..	36	19	0	22	0	0	131	2	0	43	17	6	103	7	0	78	3	0	0	9	0	..	..	..	415	17	6
Staff ..	6	17	6	40	4	0	123	9	0	10	10	0	..	..	..	26	12	3	1	1	0	..	..	..	208	13	9
Contingencies ..	4	14	5	5	13	9	0	11	0	2	2	6	8	13	6	9	8	0	..	..	..	8	12	0	39	15	2
Total expenditure ..	79,488	3	2	79,139	7	0	100,350	2	11	25,587	6	11	36,378	14	8	100,413	10	5	41,138	18	1	8,711	14	4	471,207	17	6
Credits ..	28,062	13	5	31,567	2	0	35,105	3	2	4,176	2	5	11,408	6	1	39,334	8	1	14,509	18	9	4	4	0	164,167	17	11
Net expenditure ..	51,425	9	9	47,572	5	0	65,244	19	9	21,411	4	6	24,970	8	7	61,079	2	4	26,628	19	4	8,707	10	4	307,039	19	7

TABLE XVIII.—CREDITS FOR THE FINANCIAL YEAR, 1929-30.

	Auckland.		Christchurch.		Dunedin.		Hokitika.		Nelson.		Porirua.		Tokanui.		Head Office.		Total.
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£
Receipts for maintenance ..	22,628	19 4	22,302	4 2	24,833	7 8	2,176	19 6	7,760	12 4	31,910	9 5	8,563	11 8	..	..	120,176 4 1
Receipts for farms ..	535	9 6	3,480	8 7	2,397	7 10	61	1 1	1,296	17 5	892	6 0	3,243	0 10	..	..	11,906 11 3
Miscellaneous ..	4,898	4 7	5,784	9 3	7,874	7 8	1,938	1 10	2,350	16 4	6,531	12 8	2,703	6 3	4	4 0	32,085 2 7
Totals ..	28,062	13 5	31,567	2 0	35,105	3 2	4,176	2 5	11,408	6 1	39,334	8 1	14,509	18 9	4	4 0	164,167 17 11

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 1929-30.		Increase in 1929-30.			
		£	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 ..	1,255	32	18 2	4	19 11	1	3 4	1	0 11	4	19 5	13	10 9	0	6 4	..	..	4	6 2	63	6 9	18	0 7	4	6 7	40	19 6	39	12 11	..	..	1	6 7		
Christchurch ..	925	48	14 4	4	9 9	1	10 6	1	17 4	7	6 11	12	14 11	0	8 7	0	0 2	8	8 8	85	11 1	24	2 2	10	0 4	51	8 7	54	8 10 3	0	3	..	..	0	1 7
Dunedin (Seacliff) ..	1,201	47	6 0	4	19 10	1	6 4	1	6 10	4	9 17	5	1 0	6 8	0	0 4	6	10 2	83	11 1	20	13 7	8	11 1	54	6 6	54	4 11	..	..	..	..	0	1 7	
Hokitika ..	236	68	8 0	4	17 0	1	5 4	1	1 9	4	6 9	18	17 6	0	6 11	..	..	9	5 1	108	8 5	9	6 4	8	9 5	90	14 6	104	11 113	16	7	..	..	0	1 7
Nelson ..	419	49	17 5	4	8 11	0	17 3	5	0 10	6	0 11	14	1 8	0	10 5	0	0 1	5	19 2	86	16 5	18	10 7	8	14 1	59	11 11	58	12 7	..	..	0	19 4		
Porirua ..	1,475	36	12 8	4	10 5	0	14 8	1	8 0	4	8 0	15	11 10	0	7 6	0	0 4	4	8 2	68	1 6	21	12 8	5	0 8	41	10 0	40	11 6	..	..	0	18 6		
Tokanni ..	445	49	13 8	6	7 8	1	11 3	10	6 10	5	11 5	10	4 2	0	5 10	..	..	8	8 2	92	8 11	19	4 11	13	7 3	59	16 10	67	10 10	7	14	0	..	0	18 6
Head Office, Wellington ..	..	1	2 6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	6 9	1	9 3	..	..	..	..	1	9 3	1	10 0	0	9	..	..	..	..
Totals ..	5,956	44	3 4	4	17 2	1	3 2	2	5 11	5	4 1	14	13 6	0	7 8	0	0 2	6	7 4	79	2 4	20	3 7	7	7 9	51	11 0	52	5 10	0	14	10	..	..	..

TABLE XX.—EXPENDITURE, OUT OF PUBLIC WORKS FUND, ON MENTAL HOSPITAL BUILDINGS, ETC., DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1930, AND LIABILITIES AT THAT DATE.

	Mental Hospitals.		Net Expenditure for Year ended 31st March, 1930.		Liabilities on 31st March, 1930.	
	£	s. d.	£	s. d.	£	s. d.
Auckland ..	..	..	2,279	..	335	..
Christchurch (Sunnyside) ..	..	..	85,291	..	1,207	..
Hokitika ..	..	..	3,064	..	774	..
Nelson and Stoke ..	..	..	33,250	..	2,553	..
Porirua ..	..	..	9,028	..	84	..
Seacliff ..	..	..	34,609	..	5,934	..
Tokanui ..	..	..	32,405	..	1,015	..
Waitati ..	..	..	2,170	..	987	..
Total ..	..	..	152,096	..	12,239	..

TABLE XXI.—TOTAL EXPENDITURE, OUT OF PUBLIC WORKS FUND, FOR BUILDINGS AND EQUIPMENT AT EACH MENTAL HOSPITAL FROM 1ST JULY, 1877, TO 31ST MARCH, 1930.

Mental Hospitals.		1877-1921.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.	1927-28.	1928-29.	1929-30.	Total Net Expenditure, 1st July, 1877, to 31st March, 1930.
		£	£	£	£	£	£	£	£	£	£	£
Auckland	..	160,285	9,013	777	5,188	2,393	2,073	19,888	12,213	12,461	2,279	226,670
Christchurch (Summerville)	..	190,473	3,494	2,245	1,497	6,272	2,901	7,229	10,164	7,777	35,291	267,343
Dunedin (The Camp)	..	4,891	..	..	..	..	..	..	..	..	..	4,891
Hokitika	..	3,727	984	4,789	10,216	16,013	8,034	1,745	141	401	3,064	49,114
Hornby	..	8,298	2,682	122	..	..	..	..	..	..	..	11,102
Motuhiri Island	..	561	..	..	..	..	..	..	..	..	..	561
Napier	..	147	..	..	..	..	..	..	..	..	..	147
Nelson	..	29,749	3,316	1,929	1,429	2,389	1,182	805	..	956	127	41,882
Richmond	..	1,097	..	..	..	..	..	..	..	..	..	1,097
Seacliff	..	183,739	3,389	1,602	1,246	3,016	4,767	17,888	9,408	27,132	34,609	286,796
Stoke	..	..	..	337	1,450	3,905	12,568	2,691	753	..	33,123	54,827
Tokanui	..	85,721	9,774	515	2,743	16,076	8,097	1,658	2,124	19,887	32,405	179,000
Waitati	..	13,403	3,217	848	194	..	..	627	..	853	2,170	21,312
Wellington	..	29,641	5,969	688	2,578	18,374	38,213	16,004	16,315	27,315	9,028	29,641
Wellington (Porirua)	..	207,161	..	..	..	..	..	..	..	..	..	341,645
Totals	..	918,893	41,838	13,852	26,541	68,438	77,835	68,635	51,118	96,782	152,096	1,516,028

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