



# DIRECTOR OF MEDICAL AND HEALTH SERVICES



## 1977~78 DEPARTMENTAL REPORT

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HONG KONG  
ANNUAL DEPARTMENTAL REPORT

BY THE  
DIRECTOR OF  
MEDICAL AND HEALTH SERVICES

K. L. THONG, JP,  
MB, BS (HK), FFCM (UK),  
DPH (Malaya)

FOR THE  
FINANCIAL YEAR 1977-78\*

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\* 1-April 1977—31 March 1978

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## I. ADMINISTRATION

(Tables 1 - 6)

The Medical and Health Department is responsible for administering services which provide medical and health care for the community of Hong Kong. To provide a good quality service, a staff establishment of 15,945 of which 936 were medical staff of all grades and 6,006 were nursing staff was needed in 1977.

The Department's expenditure for the financial year was \$763 million which represented 8.5% of the total public expenditure of Hong Kong.

There are six statutory councils and boards to deal with the registration of doctors, dentists, nurses and midwives and to handle matters relating to pharmacy and poisons and radiation.

The regionalization of medical and health services was implemented in April 1977. The main objective is to put into the most effective use of the facilities and resources available in each region and to provide a high standard service. The objective has largely been achieved.

## II. VITAL STATISTICS

(Tables 7 - 20)

### General

The estimated mid-year population of Hong Kong in 1977 was 4.51 million, an increase of 1.6% compared with the previous year. About 29% were under 15, and 5.7% were aged 65 years and over. The general state of health was favourable and reflected the rapid development of medical and health services.

### Birth Rate

The crude birth rate was 17.5 per thousand population, as compared with 17.2 for 1976.

### Infant Mortality Rate

The infant mortality rate was 13.9 per thousand live births and is now at a level lower than many European and American countries. This decline was due partly to the development of maternal and child health services and partly to the improvement in social and environmental conditions. The major causes of infant deaths were congenital anomalies, prematurity, asphyxia and pneumonia.

Figure 1 shows the infant and neo-natal mortality rates for the past 16 years.

### Maternal Mortality

The rate for 1977 was 0.16 per thousand total births, compared with 0.18 in the previous year. The main causes of maternal mortality were haemorrhages and abortions.

### General Mortality

The crude death rate was 5.2 per thousand population. Figure 2 shows the age and sex specific death rates in 1977.

The leading causes of death were malignant neoplasms, heart diseases, cerebrovascular diseases, pneumonia and accidents. The common malignancies were cancers of the lung, liver, stomach and nasopharynx.

## III. COMMUNICABLE DISEASES

(Tables 21 - 25)

The total number of notifications of communicable diseases during 1977 was 12,087. Tuberculosis comprised 59.5% of the total.

The incidence of major infectious diseases in the past 16 years is shown in Figure 3.

### Enteric Fever

The number of cases reported decreased from 500 in 1976 to 389 in 1977. 30% of the cases occurred in young adults aged 15-24 years. A total of 13 typhoid carriers were detected on investigation.

### Bacillary Dysentery

The number of cases slightly decreased from 356 in 1976 to 322 in 1977. 22% of the cases occurred in children under five. A total of 94 carriers were detected on investigation.

### Measles

A total of 1,537 notifications with 12 deaths were reported. Measles was at one time very prevalent among children under five. Since the introduction of anti-measles vaccination in 1967 the incidence has been reduced drastically and the pattern of infection is no longer biennial. The monthly notifications in the past 16 years are shown in Figure 4.

### Viral Hepatitis

A total of 1,008 cases with 42 deaths were notified. 27% of the cases were in the age group 15-24 years and the male to female ratio was 2.3 to 1.

### Food Poisoning

A total of 213 outbreaks were reported with 555 persons affected. There were no major outbreaks.

### Malaria

Practically all 40 cases were imported.

### Influenza

There were three minor outbreaks of influenza in 1977. The first outbreak was in April - June with the peak incidence in the middle of May. The causative agent was A/Victoria/3/75 (H3N2) which has been prevalent in Hong Kong since April 1975. The second outbreak occurred in June - August and was caused by influenza B/Hong Kong/5/72 virus. The third outbreak involving mainly children and young adults started in late November and reached its peak in December. The causative agent was influenza A(H1N1) subtype; it was antigenically similar to A/USSR/90/77 virus. The subtype A(H1N1) virus had been prevalent worldwide in the period 1947 - 1956.

### Rubella

An outbreak of rubella occurred in the spring of 1977. It commenced in early March and quickly rose to peak incidence in April. Thereafter, it gradually declined in the following three months. The infection affected mainly children and young adults. Preparation is in hand to offer rubella vaccination to young girls and women in the reproductive age group as from September, 1978.

## IV. HEALTH SERVICES

(Tables 26 - 40)

### Tuberculosis and Chest Service

There was a further fall in the tuberculosis death rate from 12.8 in 1976 to 11.8 per 100,000 population. The notification rate dropped from 178 per 100,000 population in 1976 to 159 in 1977. Figures 5 and 6 show the mortality and notification rates by age and sex in 1967 and 1977. 3.6% of the

cases notified in 1977 were under the age of 15.

Attendances at government chest clinics remained at the high level of 1.16 million.

During the year 98% of the newborn were given BCG. This is probably the highest coverage rate in the world. BCG vaccination was introduced in 1952. The resulting decline in infant mortality from tuberculosis is shown in Figure 7.

#### Social Hygiene Service

The number of venereal diseases treated was 4,808 as compared with 6,340 in the previous year, a decrease of 24%. Approximately 4% of the cases came from the teenage group. The common venereal diseases were gonorrhoea (44%), non-gonococcal urethritis (19%) and syphilis (19%).

0.49% of the expectant mothers showed an initially positive serology but only 0.29% were found to be suffering from syphilis.

Figures 8 and 9 show the incidence of syphilis and gonorrhoea from 1963 to 1977.

New cases of leprosy numbered 73, representing a rate of 1.6 per 100,000 population.

#### Family Health Service

The Family Health Service provides a comprehensive health care programme for women of child bearing age and children from birth to five years. For maternal and child service, there are a total of 38 centres, 23 of which are full-time and the rest are part-time centres operating on a sessional basis. Family planning service is available in 41 centres, 5 of which are full-time while the rest are operated by mobile teams several times a week.

In 1977, over 90% of all newborns were brought to a centre for attention and advice on at least one occasion. Approximately 1% of new attendances were found to have abnormalities, such as congenital defects or effects of prematurity.

The total attendance was 1.61 million, an increase of 2% over that of 1976.

#### Industrial Health Service

There were 448 cases of decompression sickness and 2 cases of contact dermatitis notified. Among the non-notifiable occupational diseases, 219 cases of silicosis and 25 cases of gassing were recorded.

A total of 2,925 tests were carried out on air samples taken from working and general environment for monitoring purposes. 430 surveys were done in connection with standards of thermal comfort, ventilation, noise and lighting in the working environment. For those engaged in radiation, diving and compressed air work, a total of 1,808 clinical examinations were performed.

There were 81,973 occupational injuries. In addition 223 occupational deaths were recorded. Industrial health officers participated in medical boards to assess the disability of 20,519 injured workers.

#### Port Health Service

The Port Health Service continued to undertake the responsibility of enforcing control measures to prevent the introduction of diseases subject to the International Health Regulations into Hong Kong by sea, land and air.

The Service also continued to fulfil its duties in the supervision of the general sanitation of Port and Airport, maintenance of vaccination centres, maintenance of a medical clinic at the Airport and compilation and dissemination of epidemiological information by regular communication with the World Health Organisation.

In 1977, 4,294 ships arriving in Hong Kong were cleared. The number of vaccinations given at port health inoculation centres totalled 106,054.

### V. HOSPITAL SERVICES

(Tables 41 - 53)

At the end of 1977, a total of 19,779 hospital beds were available in Hong Kong, excluding those maintained by the armed forces. These were made up as follows: 9,181 government, 8,199 government-assisted and 2,399 private, giving a ratio of 4.4 beds per 1,000 population.

To ensure the efficient use of hospital beds and medical facilities, the services have been regionalised since April 1977 with the whole of Hong Kong divided into four regions. The objective is to bring about a better appreciation of the medical and health needs of each of the main population centres.

The results of regionalisation have so far been encouraging. Although the demand for services at the two regional hospitals - Queen Elizabeth Hospital and Queen Mary Hospital - still remains high, congestion has largely been relieved and bed occupancy in the various district hospitals has increased significantly.

The Princess Margaret Hospital became fully operational in April 1977. The Hospital serves mainly the West New Territories and has contributed towards easing the demand for services at the Queen Elizabeth Hospital. The Department's first cornea transplant unit was set up at the Princess Margaret Hospital.

Casualty attendances at government hospitals totalled 505,603, an increase of 17% compared with the previous year; the number of in-patients treated was 281,390, an increase of 9%.

#### VI. CLINIC SERVICES

(Tables 54 - 64)

##### General and Specialist Out-patient

Pressure remained heavy throughout the year on all 52 general out-patient clinics and also on specialist clinics. The general out-patient attendance was 4.17 million, a drop of 4% compared with the previous year while specialist attendance was 5.47 million, an increase of 3%. Trends of the demand for services during the past ten years are shown in Figure 11. More clinic sessions have been operating on week-day evenings and on Sundays and public holidays at various selected clinics to meet the growing demand since June, 1977.

##### Psychiatry

New attendances at government psychiatric clinics totalled 3,315, an increase of 1% over that of 1976. Total attendances amounted to 135,700, a decrease of 0.5% compared with the previous year.

The concept of treating patients in day and out-patient centres has proved to be successful. Four day-patient centres supplement the in-patient services at the hospitals. During the year 488 day patients were treated.

##### Ophthalmology

There are two main out-patient centres and a number of part-time clinics. During the year the total attendance was 268,209, a decrease of 0.4% as compared with the previous year. The number of persons first registered as blind was 572, compared with 687 in the previous year.

##### Ear, Nose and Throat

The service is regionalised into the Hong Kong and outlying islands division based at Queen Mary Hospital and the Kowloon and New Territories

division based at Queen Elizabeth Hospital. During 1977, total outpatient attendance was 61,779, an increase of 6% compared with the previous year.

##### Child Assessment

The Arran Street Child Assessment and Hearing Aid Clinic became operational in October 1977. It provides comprehensive assessment of handicapped children under the age of 12.

##### Dental Service

The dental service operates 31 clinics. A total of 285,695 attendances were recorded, an increase of 4% as compared with the previous year.

##### District Midwifery

12.2% of births were delivered at government maternity homes and 4.1% in private maternity homes. These figures show a decrease compared with the previous year as more expectant mothers favour to attend hospitals for confinement.

##### School Medical Service

On 31st March 1978 the number of pupils participating was 111,494 from 747 schools, compared with 106,193 from 756 schools on the same date in the previous year. Medical practitioners taking part in the scheme numbered 202 compared with 208.

##### Registration of Clinics

There were 82 registered static clinics, two registered mobile clinics in the charge of registered medical practitioners, and 320 clinics registered with exemption making a total of 404 on 31st March 1978.

#### VII. SPECIAL SERVICES

(Tables 65 - 71)

##### Pathology

The Institute of Pathology operates a number of clinical and public health laboratories, blood banks and mortuaries. During the year the total number of examinations undertaken by the Institute of Pathology was 3.90 million, an increase of 24% compared with the previous year; this excludes tests done for Queen Mary Hospital which is served by the Department of

Pathology of the Hong Kong University.

In the blood banks 55,374 pints of blood were received, 54,902 pints of which were from the collecting centres of the Hong Kong Red Cross.

An imported case of human rabies was detected in April 1977. Virological examination of brain specimens from 52 domestic animals revealed no rabies infection.

868 (29%) of 3,006 clinical cases of viral hepatitis and 1,793 (6%) of 28,491 blood donors were found positive for hepatitis B surface antigen.

#### Radiology and Oncology

The Institute of Radiology and Oncology comprises three main divisions, radiodiagnostic, radiotherapy and radiation physics.

The radiodiagnostic division provides an X-ray diagnostic service. In all, 28 institutions and 3 mobile chest radiography units were in operation with a total of 755,457 examinations. This represented a decrease of about 6% compared with last year, which was largely attributable to the drop in chest X-ray examinations at the survey centres, chest clinics and mobile radiography vans.

The radiotherapy division based at Queen Elizabeth and Queen Mary Hospitals is the main radiotherapy centre in Hong Kong. It treats more than 90% of all local patients requiring radiotherapy and also some overseas patients. The total number of patients with malignant diseases treated was 3,798, an increase of 7% compared with the previous year.

The radiation physics division provides a film-badge radiation monitoring and protection service for the whole of Hong Kong. During 1977, the film-badge service covered 1,277 radiation workers in various hospitals, X-ray laboratories and industrial undertakings.

#### Anaesthesia

The anaesthetic service manned 230 operating sessions a week and 7 emergency operating theatres on a 24-hour basis for emergencies. A total of 57,401 operations were done under anaesthesia in 1977, an increase of 0.5% compared with 1976.

#### Forensic Pathology

The Forensic Pathology Service advises and works in close association with the Royal Hong Kong Police Force on the medical aspects of criminology. This includes all homicidal deaths, deaths under suspicious circumstances, sexual offences, and other offences against the person. The professional staff

dealt with a total of 677 autopsies, 884 clinical examinations and blood groupings and 2,947 laboratory examinations in 1977.

#### Government Laboratory

The Government Laboratory provides chemical and related scientific services for Government Departments. There are two divisions, general and forensic. The total number of items examined in 1977 was 74,647, a decrease of 5% compared with the previous year.

### VIII. OTHER SERVICES

(Tables 72 - 77)

#### Nursing

The total number of staff in the nursing and allied grades is 6,006 who undertake duties in all government hospitals and clinics as well as in the public health services. The slight increase in establishment of 3% is due to the opening of the East Kowloon Polyclinic Stage I in July 1977, and the South Kwai Chung Polyclinic Stage II becoming fully operational in August, 1977.

In the medical division there are five grades; Registered Nurse (General), Registered Nurse (Psy.), Enrolled Nurse (General), Enrolled Nurse (Psy.) and Midwives, whilst in the health division there are another three grades; Health Visitors, Health Auxiliaries and Inoculators. Seven of these grades have their own source of training schools and at the same time local Chinese residents who have received training in the United Kingdom may be recruited through the Hong Kong Government Office in London.

The Nursing Services benefited by the return of nursing personnel who had successfully completed overseas courses of instruction in nursing administration, nursing education, both in the general and psychiatric areas, community health nursing (psychiatric) and ophthalmic nursing.

#### Pharmaceutical Service

The pharmaceutical service meets the requirements for drugs, dressings, surgical instruments and hospital sundries of all government hospitals, clinics and health centres. Items are also supplied to government-assisted institutions on requests. It has a staff of 252 of all grades.

The service also supervises the enforcement of the law pertaining to dangerous drugs, poisons and antibiotics, as governed by the respective ordinances. During the year, 5,793 premises were inspected and 76 prosecutions were instituted.

#### Medical Social Service

The rapid expansion of the medical and health services and the increasing emphasis on rehabilitation continued to make heavy demands on the medical social service. There were six divisions : Hong Kong, Kowloon, New Territories, mental health, chest and special skin, and narcotics. The total number of cases handled was 68,651, an increase of 36% compared with the previous year. Services rendered included financial assistance, compassionate rehousing, counselling, placement in institutions and job-placement.

#### Physiotherapy

The total number of staff in the physiotherapy service is 124. In 1977, 105,562 patients were given a total of 1,051,328 treatments, an increase of approximately 21% in terms of patients and 24% in terms of treatments in comparison with 1976.

#### Occupational Therapy

There were altogether 11 units in the service which has a staff of 96. In 1977, 12,112 patients were given a total of 655,528 treatments, a slight decrease of 3% in terms of patients and 4% in terms of treatments in comparison with 1976.

#### Prosthetic-Orthotic Service

A third Prosthetic Centre at South Kwai Chung Polyclinic was opened during the year. The number of patients treated during 1977 was 7,732 with a total attendance of 16,030.

#### Narcotics and Drugs

The Narcotics and Drug Administration is responsible for undertaking various activities in the treatment and rehabilitation of drug addicts, research and health education in the danger of drug addiction.

Four methadone maintenance centres and 17 methadone detoxification centres for out-patient were in operation to cater for the demand for treatment facilities.

During 1977, the number of new admissions to the methadone maintenance and methadone detoxification centres were 1,616 and 3,536 respectively.

### IX. TRAINING PROGRAMMES

(Tables 78 - 80)

#### Medical Staff

Higher professional examinations were held in Hong Kong in 1977 by the Royal College of Physicians, the Royal College of Obstetricians and Gynaecologists, the Royal Australasian College of Surgeons and the Royal Australasian College of Radiologists.

During the year 1977/78, 32 doctors went abroad to further their studies in their respective fields; 10 of whom were funded by the Government.

#### Dental Staff

In the year, four scholarships were granted to local scholars to study dentistry at the Universities of Sydney and Singapore and nine graduates returned to Hong Kong. So far 87 scholars out of the 111 scholarships awarded in the past years have completed their professional training and returned.

#### Nursing Staff

750 general and 142 psychiatric student nurses were in training, undergoing three-year courses leading to Registration with the Nursing Board of Hong Kong, in the three respective Government Hospitals' Schools of Nursing. For the two-year courses leading to Enrolment with the Nursing Board of Hong Kong, there were 174 general and 91 psychiatric pupil nurses.

There were 103 registered nurses undergoing a one-year post-basic training in midwifery, leading to registration with the Midwives Board of Hong Kong and 4 registered nurses commenced an 18-month post-basic course in Psychiatric Nursing, leading to Registration (Psy.) with the Nursing Board of Hong Kong.

15 registered nurses commenced a 9-month course in public health nursing and 10 enrolled nurses underwent a 6-month course in basic health procedures.

In-service training courses were given in specialty subjects including geriatric nursing, orthopaedic nursing, paediatric nursing, psychiatric nursing, midwifery refresher course, and the nursing management of surgical and medical emergencies. In addition the newly designed "developmental screening" 3-month course for registered nurses commenced in January 1978 and the first group of 20 candidates successfully completed this course in March, 1978.

### Paramedical Staff

There were 46 student dispensers, 48 student medical laboratory technicians, 38 student physiotherapists and 42 student radiographers undergoing three-year courses of training in the respective fields. During the year 7 student dispensers, 26 student medical laboratory technicians, 12 student physiotherapists and 14 student radiographers passed their final examinations.

### Progress on localisation

The Department is one of the most localised Government departments. Overseas recruitment is largely restricted to the areas where there is limited or no local manpower resource available. For example, there was a need to recruit overseas physiotherapists and occupational therapists. However the Polytechnic will take over the theoretical training with effect from September 1978 in these two disciplines which should boost the local output in 3 years' time, and ultimately reduce or eliminate the need to recruit overseas. An increase in the number of Dental Officer posts also meant some overseas recruitment. The setting up of the Hong Kong University Dental School should eliminate the need for overseas Dental Officers in due course.

The other area with limited overseas recruitment was in the Medical and Health Officer grade, as it was difficult or impossible to find suitable local doctors willing to serve in some particular out-posts.

## X. MEDICAL DEVELOPMENT

### (Table 81)

A White Paper entitled "The Further Development of Medical and Health Services in Hong Kong" published in 1974 provides a blue print for the future development of the services in the next 10 years. Development is reviewed annually. The last review was completed in 1977. A 10-year Medical Development Programme containing proposals for the further development of the services has been prepared.

During the year, the East Kowloon Polyclinic (Stage I) and a child assessment clinic were opened.

Some 1,100 candidates sat for the Licentiate Examination for unregistrable doctors conducted by the Licentiate Committee of the Medical Council of Hong Kong. Of these, 112 candidates passed all three parts of the Examination. Successful candidates are undergoing a period of externship covering 18 months which began in September 1977.

A Central Health Education Unit was being established. The Unit would serve as a co-ordinating and advisory unit working closely with interested departments and voluntary organizations in promoting health education work.

Building work continued during the year on the new 1336-bed Psychiatric Wing of the Princess Margaret Hospital and the 576-bed Caritas Medical Centre extension. Construction work for the 9-storey Macle hose Dental Centre containing the Dental Therapist Training School and a School Children's Dental Clinic is nearing completion.

The Medical School at the Chinese University of Hong Kong (CUHK) and the Dental School at the University of Hong Kong will be established by 1980. Planning work has already commenced on the 1400-bed Sha Tin Hospital which will be the regional hospital for the Eastern New Territories and the teaching hospital for the second medical school at CUHK. Work on the construction of the Dental Teaching Clinic, which will provide clinical teaching facilities for the dental students of the Dental School, is expected to commence in 1978.

Commencing from April 1977, six voluntary organizations providing community nursing services are being assisted financially by the government with a view to evaluating the contribution of this service to the overall medical and health services in Hong Kong.

In May 1977, the Government approved a capital subvention to assist the Hong Kong Heart Foundation and the Hong Kong Anti-Tuberculosis and Thoracic Diseases Association towards the conversion of the Grantham Hospital into a major cardiothoracic centre.

On 27th February, 1978, His Excellency the Governor, Sir Murray MacLehose, laid the foundation stone for the Fanling Hospital Extension. The project will be carried out in two stages over the next three years. The aim of the extension and improvement is to bring the existing hospital to a district hospital capability.

In October 1977, a White Paper on the Further Development of Rehabilitation Services in Hong Kong over the next ten years was published. The objectives and targets listed in the Paper, and the progress of implementation will be reviewed annually.

A Green Paper on the Services for the Elderly was published in 1977. Public comments on the proposals in the Green Paper are being examined. It is envisaged that a White Paper on the future development of the services for the elderly will be prepared in 1978.

XI. ACKNOWLEDGEMENTS

I would like to place on record my sincere appreciation to the staff at all levels for their invaluable help in dealing with the many problems large and small which the Department had to face in the year under review. In spite of the fact that they often had to work under much pressure and difficult circumstances, all carried out their duties efficiently and effectively, and with true devotion and dedication. I am most grateful to them all for their unflinching support throughout the year.

The Department received every assistance and co-operation from other Government departments, voluntary agencies, the press, the radio and television networks.

I also wish to place on record my thanks to the many public spirited persons who have devoted so much of their time in order to serve on statutory boards, advisory committees, working parties, and in voluntary agencies dealing with the many aspects of medical and health services in Hong Kong.

Finally, I acknowledge with thanks the contributions of private individuals, and local and overseas organisations who have assisted the Department in providing facilities for those in need of medical care.

K. L. THONG  
Director of Medical & Health Services

MAPS

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## A

HONG KONG ISLAND  
GOVERNMENT HOSPITALS

- |  |    |
|--|----|
| a. Queen Mary Hospital (a regional hospital for Hong Kong Island)  | A1 |
| b. Tang Shiu Kin Hospital (a general hospital with casualty department, out-patient facilities and family health centre) | A1 |
| c. Tsan Yuk Hospital (a maternity hospital)  | A1 |

GOVERNMENT-ASSISTED HOSPITALS

- |   |    |
|---|----|
| d. Alice Ho Miu Ling Nethersole Hospital (a general hospital)                               | A1 |
| e. Duchess of Kent Children's Orthopaedic Hospital and Convalescent Home                    | A1 |
| f. Freni Memorial Convalescent Home   | A1 |
| g. Grantham Hospital (a tuberculosis and cardiothoracic surgery hospital)                   | A2 |
| h. John F. Kennedy Centre (a centre for physically handicapped children)                    | A1 |
| i. Nam Long Hospital (a cancer hospital)  | A2 |
| j. Ruttonjee Sanatorium (a tuberculosis hospital)   | A1 |
| k. Sandy Bay Convalescent Hospital  | A1 |
| l. The Cheshire Home (a convalescent home)  | B2 |
| m. Tung Wah Hospital (a general hospital with out-patient facilities and specialist clinic) | A1 |
| n. Tung Wah Eastern Hospital (a general hospital with out-patient facilities)               | B1 |

PRIVATE HOSPITALS

- |   |    |
|---|----|
| o. Canossa Hospital (a general hospital)                  | A1 |
| p. Hong Kong Adventist Hospital (a general hospital)      | A1 |
| q. Hong Kong Central Hospital (a general hospital)        | A1 |
| r. Hong Kong Sanatorium and Hospital (a general hospital) | A1 |
| s. Matilda and War Memorial Hospital (a general hospital) | A1 |
| t. St. Paul's Hospital (a general hospital)               | B1 |

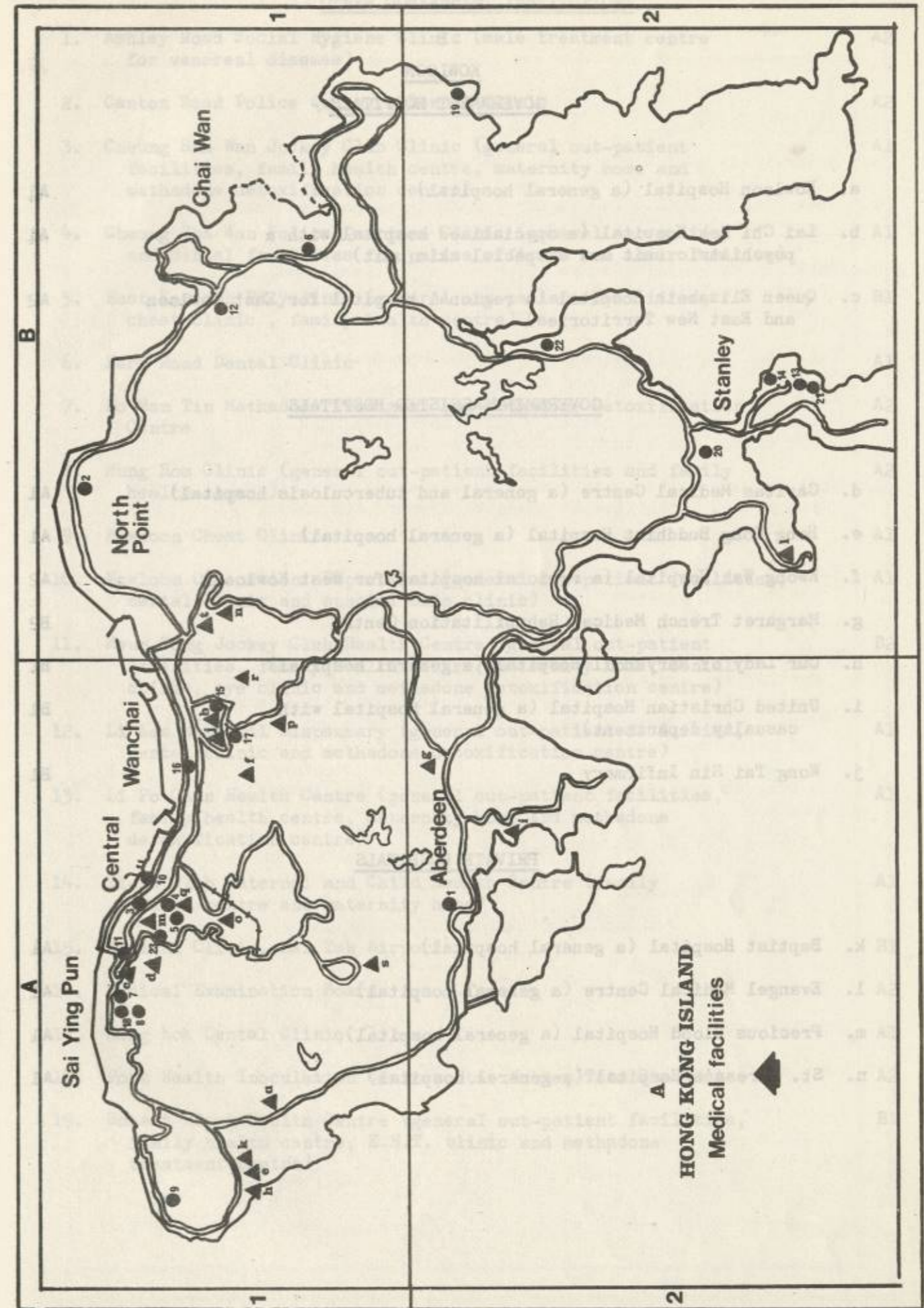
OTHER GOVERNMENT INSTITUTIONS

- |  |    |
|--|----|
| 1. Aberdeen Jockey Club Clinic (general out-patient facilities, dental clinic, family health centre, eye clinic, chest clinic, social hygiene clinic and methadone detoxification centre)                                    | A2 |
| 2. Anne Black Health Centre (general out-patient facilities, family health centre, dental clinic, X-ray survey centre, eye clinic and dermatological clinic)   | B1 |
| 3. Central District Health Centre (general out-patient facilities, family health centre, eye clinic and dermatological clinic)   | A1 |
| 4. Central Government Offices Dental Clinic  | A1 |
| 5. Central Police Station Medical Post (general out-patient and dental facilities for police officers and their families)  | A1 |
| 6. Chai Wan Health Centre (general out-patient facilities, family health centre, psychiatric clinic and methadone detoxification centre)   | B1 |
| 7. David Trench Rehabilitation Centre (embracing Tang Shiu Kin Physiotherapy Unit, Hong Kong Psychiatric Centre and family health centre)  | A1 |
| 8. Eastern Street Methadone Treatment Centre   | A1 |
| 9. Kennedy Town Jockey Club Clinic (general out-patient facilities, family health centre and dental clinic)  | A1 |
| 10. Port Health Inoculation Centre, Li Po Chun Chambers  | A1 |
| 11. Sai Ying Pun Jockey Club Polyclinic (general out-patient facilities, chest clinic, dental clinic, eye clinic, E.N.T. clinic, dermatological clinic, social hygiene clinic and specialist clinic for Queen Mary Hospital) | A1 |
| 12. Shau Kei Wan Jockey Club Clinic (general out-patient facilities, family health centre, maternity home, chest clinic, dental clinic, eye clinic, E.N.T. clinic and dermatological clinic)                                 | B1 |
| 13. Stanley Dental Clinic  | B2 |
| 14. Stanley Dispensary (out-patient facilities and family health centre)   | B2 |

- |   |    |
|---|----|
| 15. Tang Chi Ngong Specialist Clinic (eye clinic, E.N.T. clinic, dermatological clinic, special skin clinic and general out-patient facilities for English-speaking Government Servants and their families) | A1 |
| 16. Violet Peel Polyclinic (general out-patient facilities and methadone detoxification centre)   | A1 |
| 17. Wan Chai Clinic (dental clinic, chest clinic and physiotherapy department)  | A1 |
| 18. Western Dental Clinic   | A1 |

PRISON HOSPITALS/TREATMENT CENTRES

- |                                    |    |
|------------------------------------|----|
| 19. Cape Collinson Training Centre | B2 |
| 20. Ma Hang Prison                 | B2 |
| 21. Stanley Prison Hospital        | B2 |
| 22. Tai Tam Gap Training Centre    | B2 |
| 23. Victoria Reception Centre      | A1 |



B  
KOWLOON  
GOVERNMENT HOSPITALS

- a. Kowloon Hospital (a general hospital) A1
- b. Lai Chi Kok Hospital (a specialised hospital with a psychiatric unit and a special skin unit) A1
- c. Queen Elizabeth Hospital (a regional hospital for East Kowloon and East New Territories) A2

GOVERNMENT-ASSISTED HOSPITALS

- d. Caritas Medical Centre (a general and tuberculosis hospital) A1
- e. Hong Kong Buddhist Hospital (a general hospital) A1
- f. Kwong Wah Hospital (a regional hospital for West Kowloon) A2
- g. Margaret Trench Medical Rehabilitation Centre B2
- h. Our Lady of Maryknoll Hospital (a general hospital) B1
- i. United Christian Hospital (a general hospital with casualty department) B1
- j. Wong Tai Sin Infirmery B1

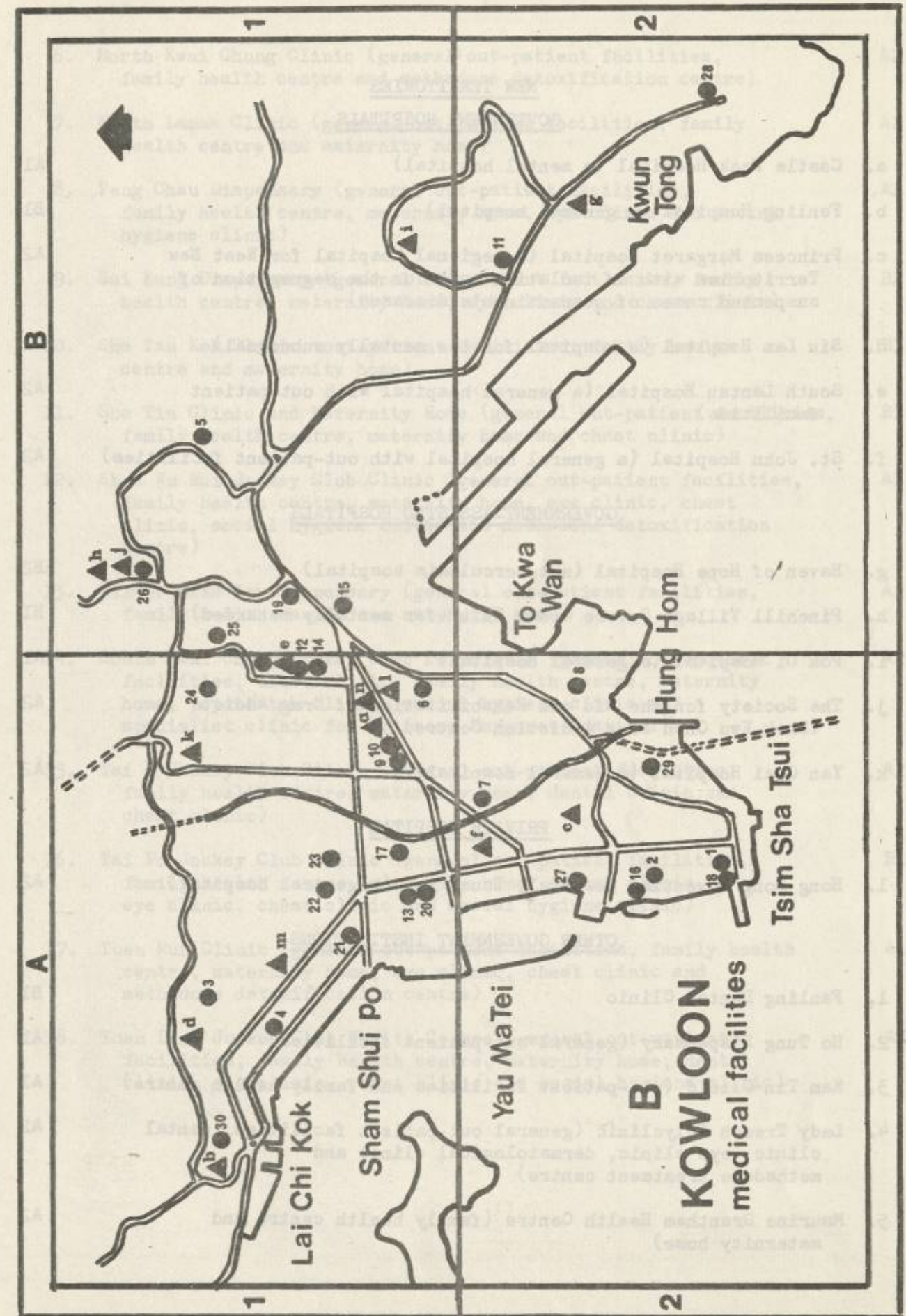
PRIVATE HOSPITALS

- k. Baptist Hospital (a general hospital) A1
- l. Evangel Medical Centre (a general hospital) A1
- m. Precious Blood Hospital (a general hospital) A1
- n. St. Teresa's Hospital (a general hospital) A1

OTHER GOVERNMENT INSTITUTIONS

- 1. Ashley Road Social Hygiene Clinic (male treatment centre for venereal disease) A2
- 2. Canton Road Police Quarters Dental Clinic A2
- 3. Cheung Sha Wan Jockey Club Clinic (general out-patient facilities, family health centre, maternity home and methadone detoxification centre) A1
- 4. Cheung Sha Wan Police Quarters Clinic (general out-patient and dental facilities for police officers and their families) A1
- 5. East Kowloon Polyclinic (general out-patient facilities, chest clinic, family health centre) B1
- 6. Farm Road Dental Clinic A1
- 7. Ho Man Tin Methadone Treatment and Methadone Detoxification Centre A2
- 8. Hung Hom Clinic (general out-patient facilities and family health centre) A2
- 9. Kowloon Chest Clinic A1
- 10. Kowloon Out-patient Department (general out-patient facilities, dental clinic and special skin clinic) A1
- 11. Kwun Tong Jockey Club Health Centre (general out-patient facilities, family health centre, maternity home, dental clinic, eye clinic and methadone detoxification centre) B2
- 12. Li Kee Memorial Dispensary (general out-patient facilities, dental clinic and methadone detoxification centre) A1
- 13. Li Po Chun Health Centre (general out-patient facilities, family health centre, maternity home and methadone detoxification centre) A1
- 14. Lions Club Maternal and Child Health Centre (family health centre and maternity home) A1
- 15. Medical Clinic, Kai Tak Airport B1
- 16. Medical Examination Board A2
- 17. Mong Kok Dental Clinic A1
- 18. Port Health Inoculation Centre, Star House, Tsim Sha Tsui A2
- 19. Robert Black Health Centre (general out-patient facilities, family health centre, E.N.T. clinic and methadone treatment centre) B1

- |   |    |
|---|----|
| 20. Rotary Club of Kowloon Child Assessment Clinic  | A1 |
| 21. Sham Shui Po Public Dispensary (general out-patient facilities and methadone detoxification centre)   | A1 |
| 22. Shek Kip Mei Health Centre (general out-patient facilities, dermatological clinic, chest clinic, family health centre and methadone detoxification centre)  | A1 |
| 23. Tai Hang Tung Clinic (general out-patient facilities)   | A1 |
| 24. Wang Tau Hom Jockey Club Clinic (general out-patient facilities, family health centre, maternity home, eye clinic and methadone detoxification centre)  | A1 |
| 25. Wong Tai Sin Police Quarters Clinic (general out-patient and dental facilities for police officers and their families)  | B1 |
| 26. Wu York Yu Clinic (general out-patient facilities, family health centre, maternity home and methadone detoxification centre)  | B1 |
| 27. Yau Ma Tei Jockey Club Clinic (general out-patient facilities, social hygiene clinic, dermatological clinic, dental clinic, eye clinic, E.N.T. clinic, chest clinic, family health centre, psychiatric clinic and day hospital and methadone detoxification centre) | A2 |
| 28. Yau Tong Maternal and Child Health Centre (family health centre)  | B2 |
| <u>PRISON HOSPITAL/TREATMENT CENTRE</u>   |    |
| 29. Chatham Road Centre   | A2 |
| 30. Lai Chi Kok Reception Centre  | A1 |



## C

NEW TERRITORIESGOVERNMENT HOSPITALS

- |  |    |
|--|----|
| a. Castle Peak Hospital (a mental hospital)  | A1 |
| b. Fanling Hospital (a general hospital)   | B1 |
| c. Princess Margaret Hospital (a regional hospital for West New Territories with an isolation unit for the segregation of suspected cases of quarantinable diseases) | A2 |
| d. Siu Lam Hospital (a hospital for the mentally subnormal)  | A2 |
| e. South Lantau Hospital (a general hospital with out-patient facilities)  | A2 |
| f. St. John Hospital (a general hospital with out-patient facilities)  | A2 |

GOVERNMENT-ASSISTED HOSPITALS

- |   |    |
|---|----|
| g. Haven of Hope Hospital (a tuberculosis hospital)   | B2 |
| h. Pinehill Village Severe Grade Unit (for mentally retarded)                                       | B1 |
| i. Pok Oi Hospital (a general hospital)   | A1 |
| j. The Society for the Aid and Rehabilitation of Drug Addicts (Shek Kwu Chau Drug Addiction Centre) | A2 |
| k. Yan Chai Hospital (a general hospital)   | A2 |

PRIVATE HOSPITAL

- |   |    |
|---|----|
| 1. Hong Kong Adventist Hospital, Tsuen Wan (a general hospital) | A2 |
|---|----|

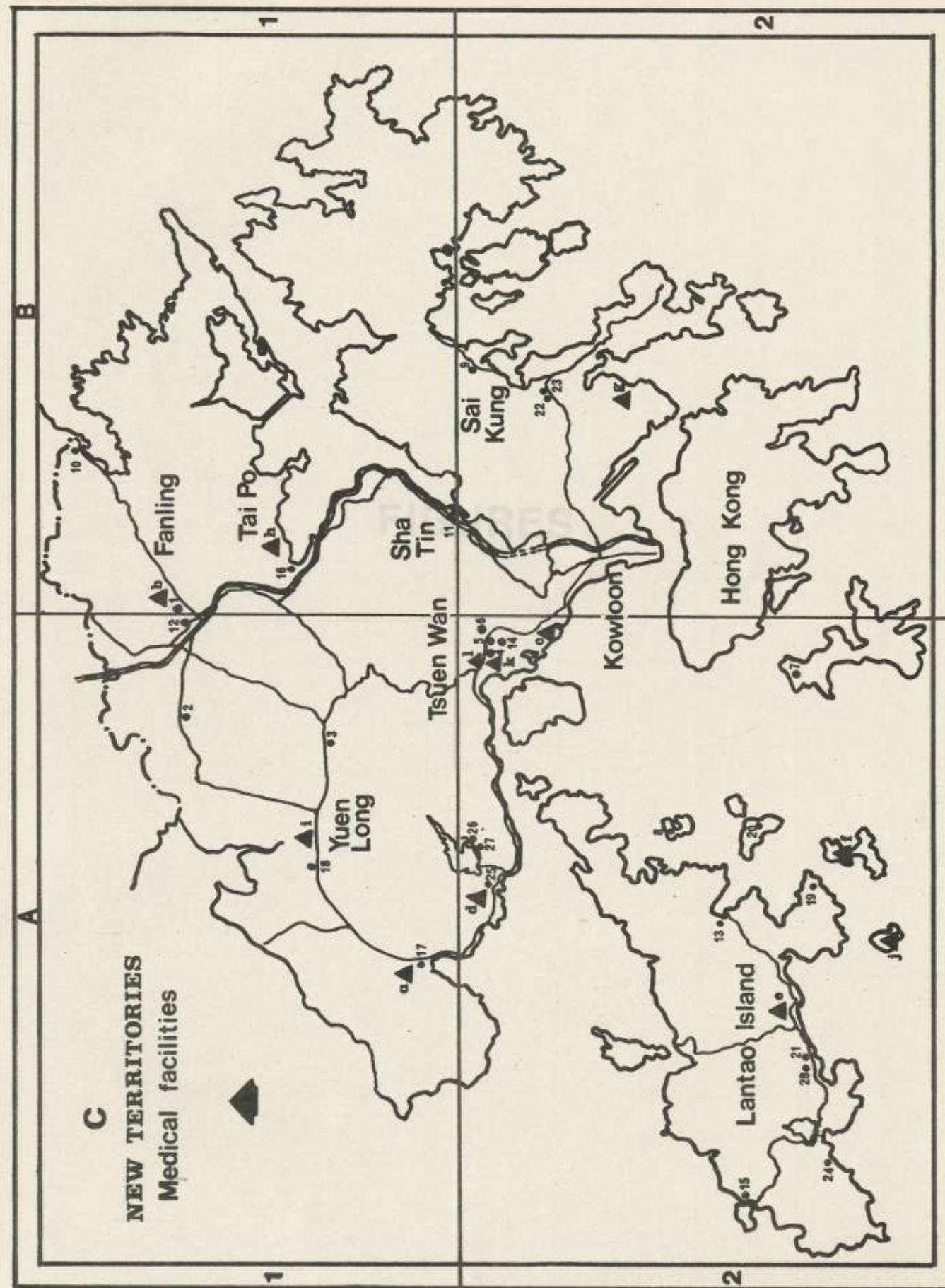
OTHER GOVERNMENT INSTITUTIONS

- |   |    |
|---|----|
| 1. Fanling Dental Clinic  | B1 |
| 2. Ho Tung Dispensary (general out-patient facilities)  | A1 |
| 3. Kam Tin Clinic (out-patient facilities and family health centre)   | A1 |
| 4. Lady Trench Polyclinic (general out-patient facilities, dental clinic, eye clinic, dermatological clinic and methadone treatment centre) | A2 |
| 5. Maurine Grantham Health Centre (family health centre and maternity home)   | A2 |

- |  |    |
|--|----|
| 6. North Kwai Chung Clinic (general out-patient facilities, family health centre and methadone detoxification centre)  | A2 |
| 7. North Lamma Clinic (general out-patient facilities, family health centre and maternity home)  | A2 |
| 8. Peng Chau Dispensary (general out-patient facilities, family health centre, maternity home, eye clinic and social hygiene clinic)   | A2 |
| 9. Sai Kung Dispensary (general out-patient facilities, family health centre, maternity home, eye clinic and chest clinic)   | B2 |
| 10. Sha Tau Kok Clinic (out-patient facilities, family health centre and maternity home)   | B1 |
| 11. Sha Tin Clinic and Maternity Home (general out-patient facilities, family health centre, maternity home and chest clinic)  | B1 |
| 12. Shek Wu Hui Jockey Club Clinic (general out-patient facilities, family health centre, maternity home, eye clinic, chest clinic, social hygiene clinic and methadone detoxification centre)                                   | A1 |
| 13. Silver Mine Bay Dispensary (general out-patient facilities, family health centre and maternity home)   | A2 |
| 14. South Kwai Chung Jockey Club Polyclinic (general out-patient facilities, chest clinic, family health centre, maternity home, psychiatric clinic, social hygiene clinic and specialist clinic for Princess Margaret Hospital) | A2 |
| 15. Tai O Jockey Club Clinic (general out-patient facilities, family health centre, maternity home, dental clinic and chest clinic)  | A2 |
| 16. Tai Po Jockey Club Clinic (general out-patient facilities, family health centre, maternity home, dental clinic, eye clinic, chest clinic and social hygiene clinic)  | B1 |
| 17. Tuen Mun Clinic (general out-patient facilities, family health centre, maternity home, eye clinic, chest clinic and methadone detoxification centre)   | A1 |
| 18. Yuen Long Jockey Club Health Centre (general out-patient facilities, family health centre, maternity home, dental clinic, eye clinic, chest clinic and social hygiene clinic)  | A1 |

PRISON HOSPITALS/TREATMENT CENTRES

- |     |                                 |    |
|-----|---------------------------------|----|
| 19. | Chi Ma Wan Prison               | A2 |
| 20. | Hei Ling Chau Treatment Centre  | A2 |
| 21. | Ma Po Ping Prison               | A2 |
| 22. | Pik Uk Correctional Institution | B2 |
| 23. | Pik Uk Prison                   | B2 |
| 24. | Sha Tsui Detention Centre       | A2 |
| 25. | Siu Lam Psychiatric Centre      | A2 |
| 26. | Tai Lam Centre for Women        | A2 |
| 27. | Tai Lam Treatment Centre        | A2 |
| 28. | Tong Fuk Treatment Centre       | A2 |



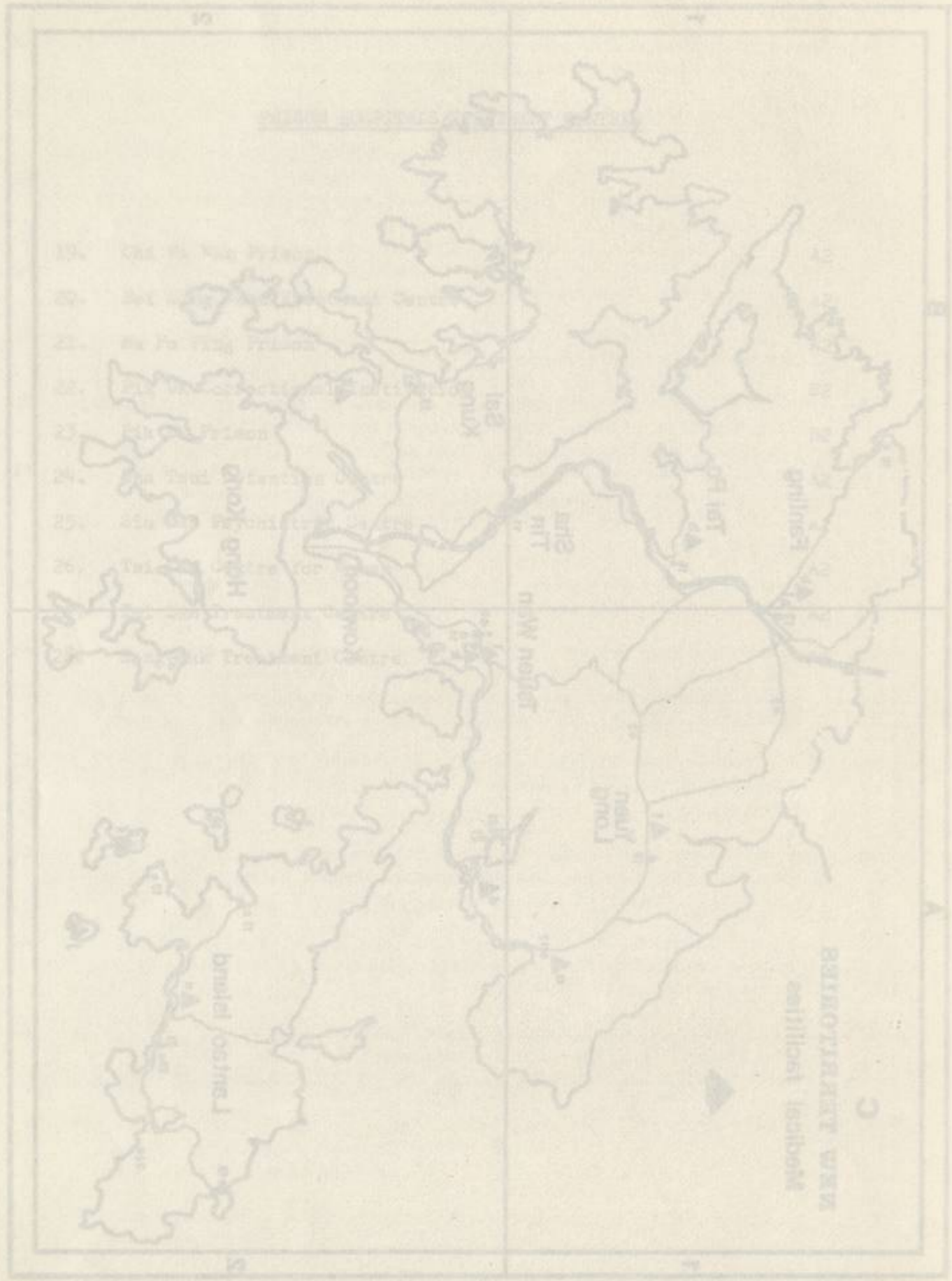
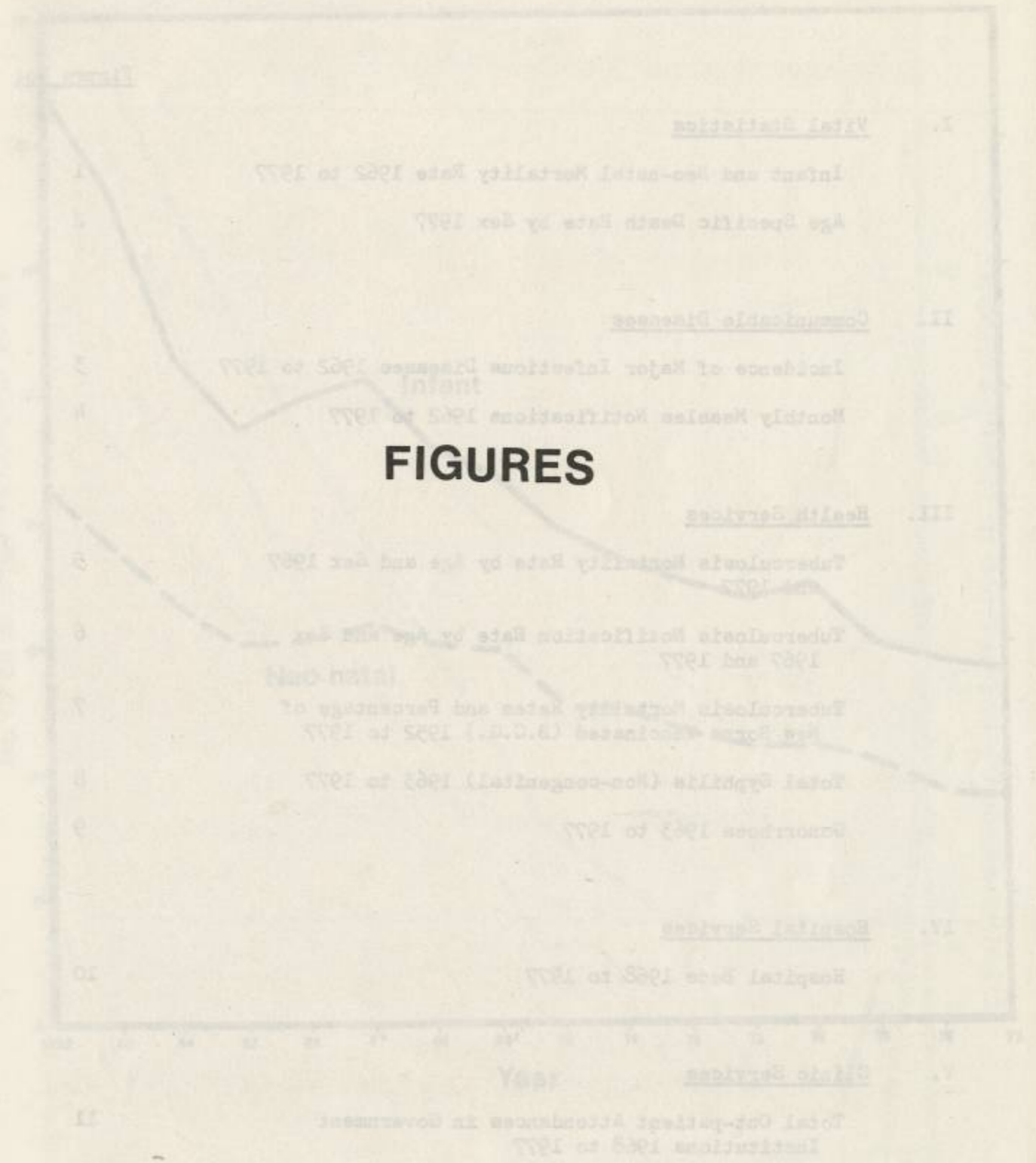


FIGURE 1  
 INFANT AND NEO-NATAL MORTALITY RATE 1962 TO 77

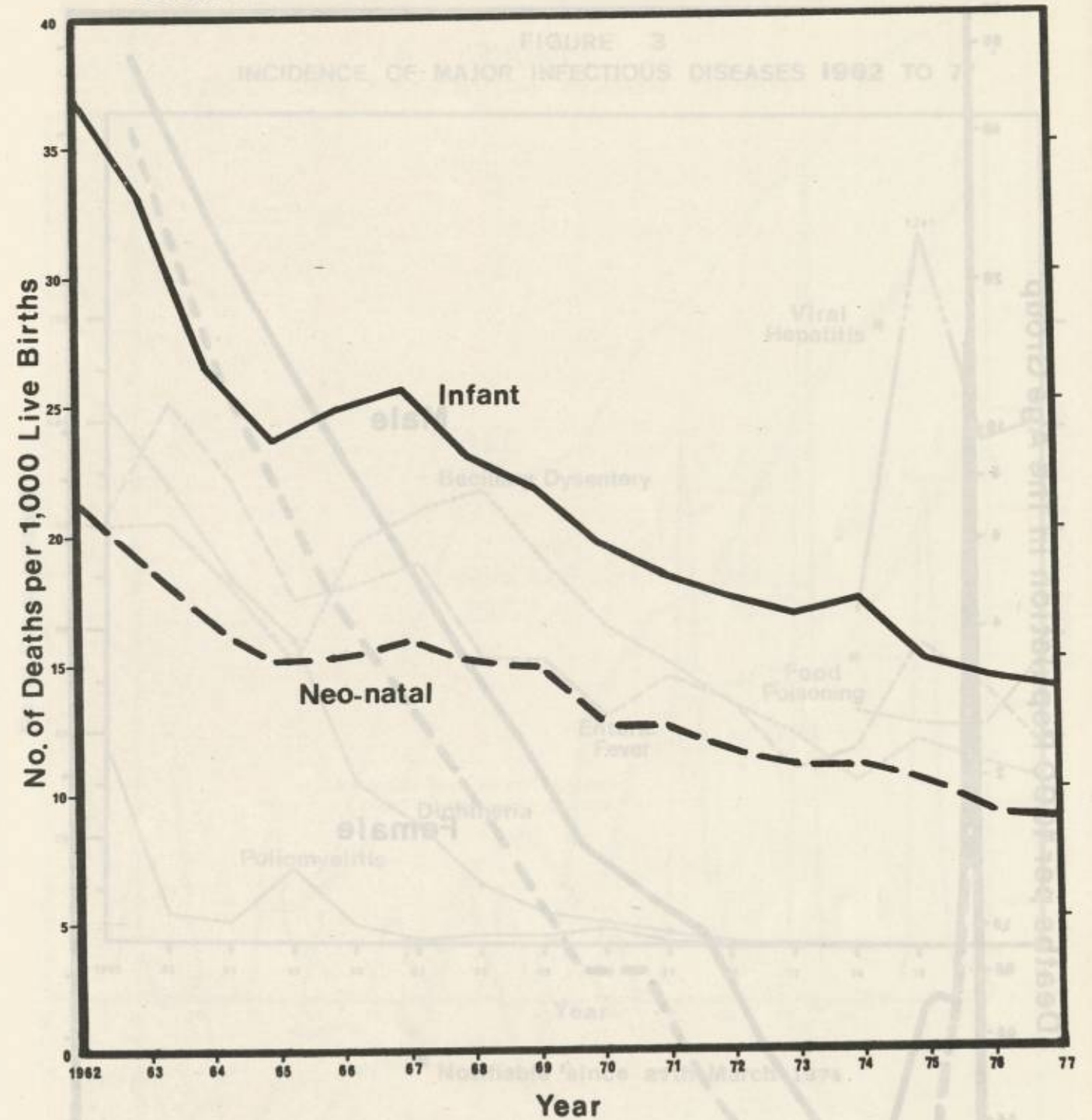


FIGURES

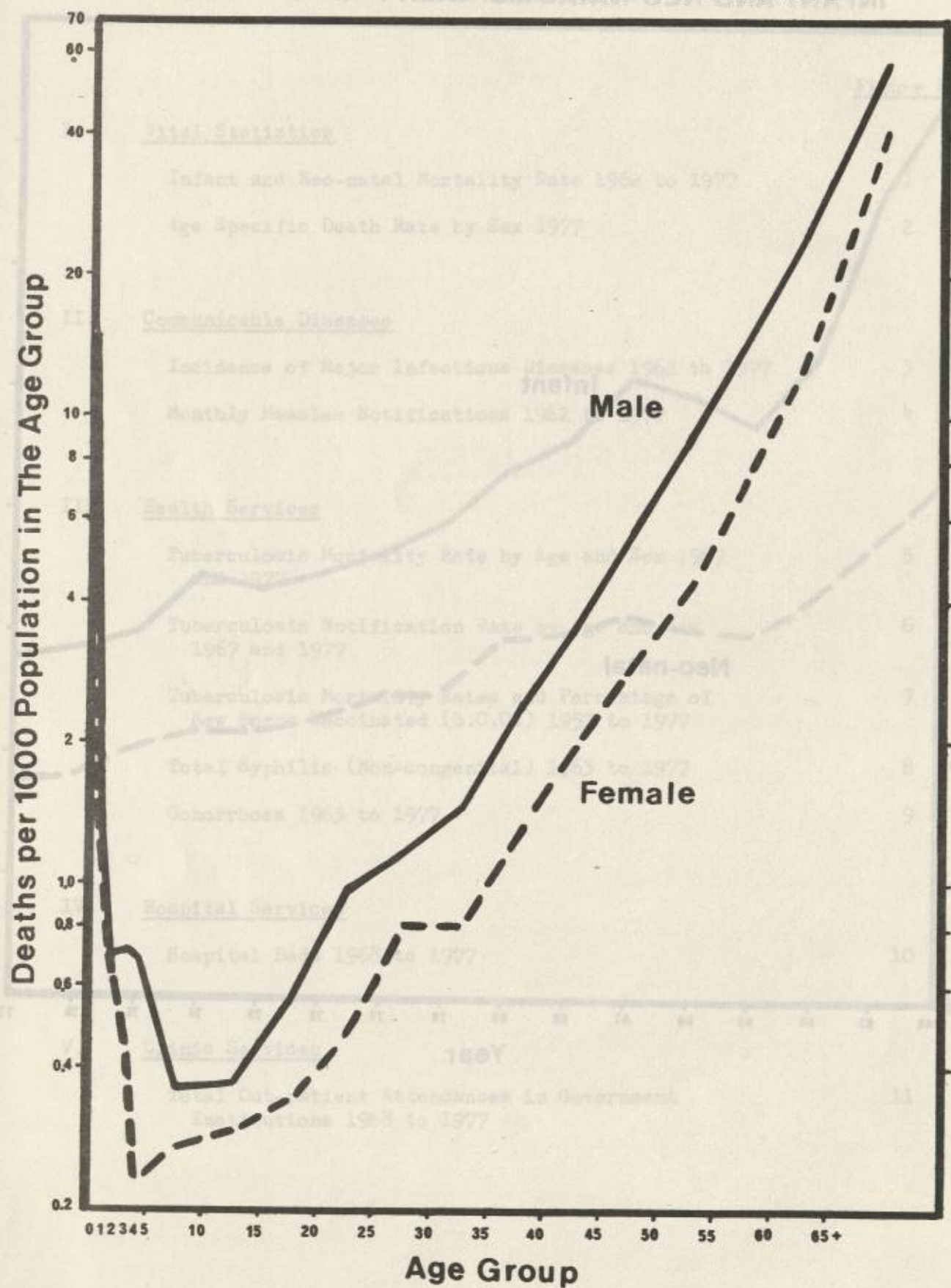
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**FIGURE 1**  
**INFANT AND NEO-NATAL MORTALITY RATE 1962 TO 77**

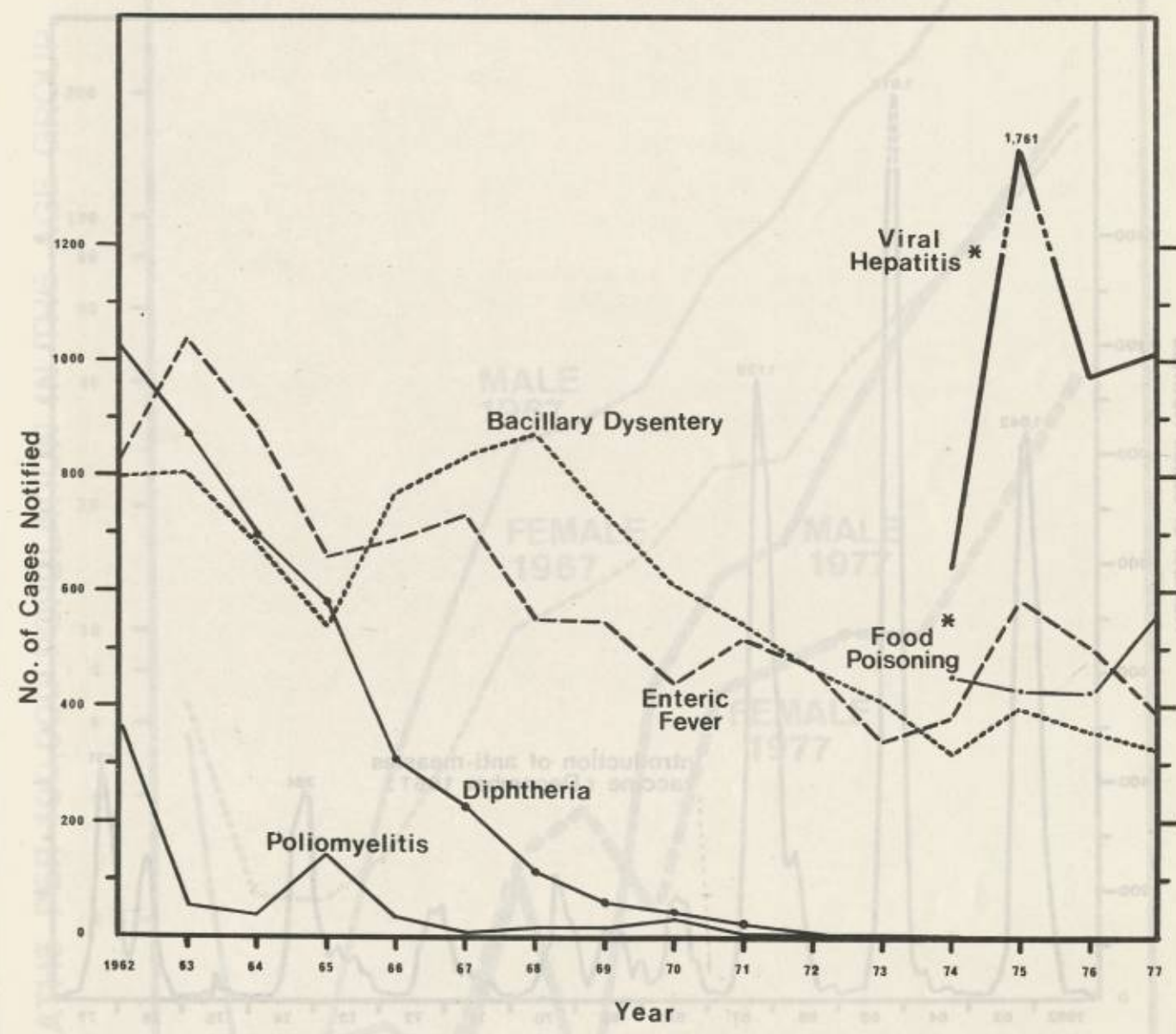


**FIGURE 2**  
**AGE SPECIFIC DEATH RATE BY SEX 1977**



**FIGURE 3**  
**TUBERCULOSIS MORTALITY RATE BY AGE AND SEX 1967 & 1977**

**FIGURE 3**  
**INCIDENCE OF MAJOR INFECTIOUS DISEASES 1962 TO 77**



\* Notifiable since 27th March 1974

FIGURE 2  
AGE SPECIFIC DEATH RATE BY SEX 1977

FIGURE 4  
MONTHLY MEASLES NOTIFICATIONS 1962 TO 1977

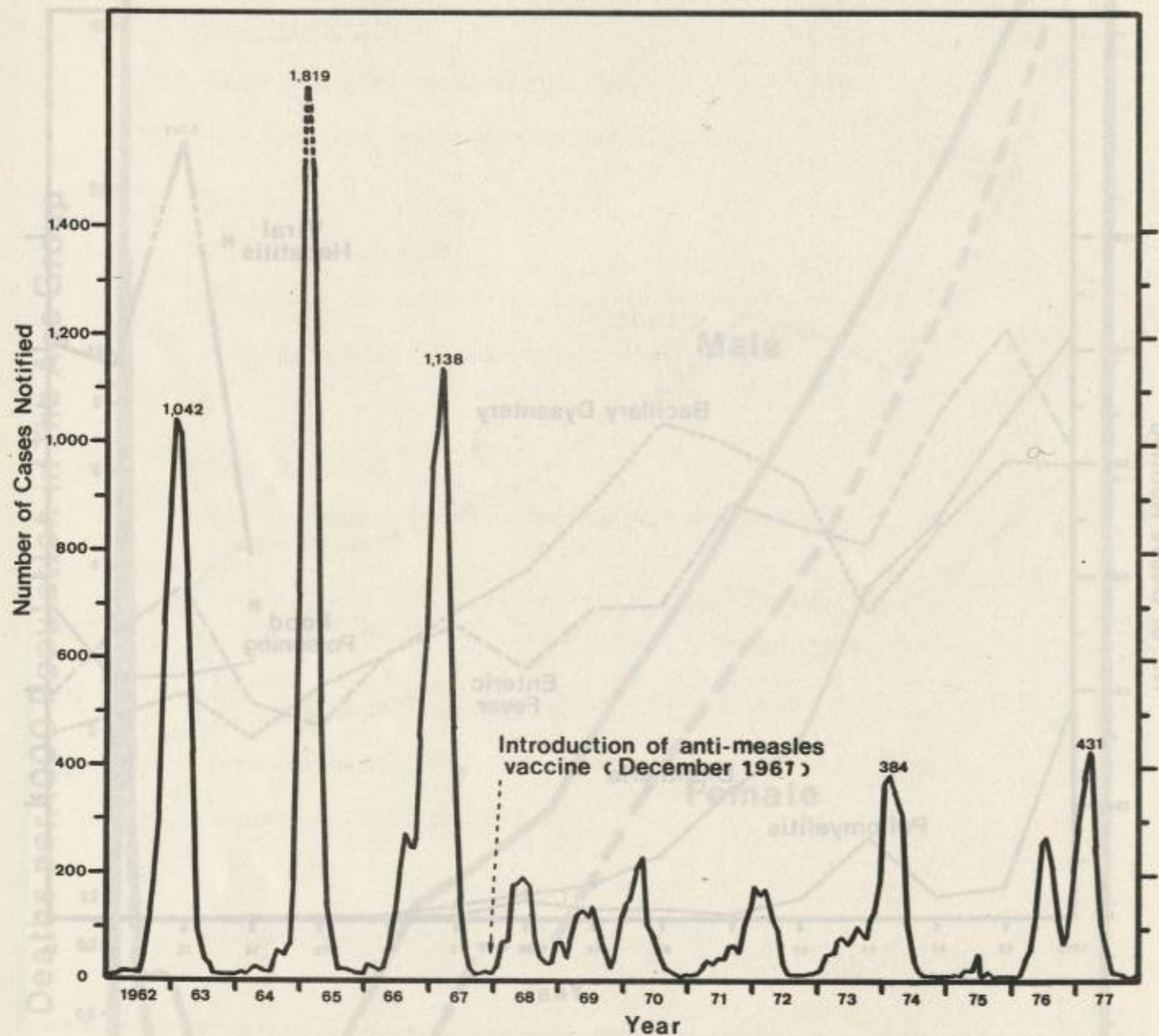


FIGURE 5  
TUBERCULOSIS MORTALITY RATE  
BY AGE AND SEX 1967 & 1977

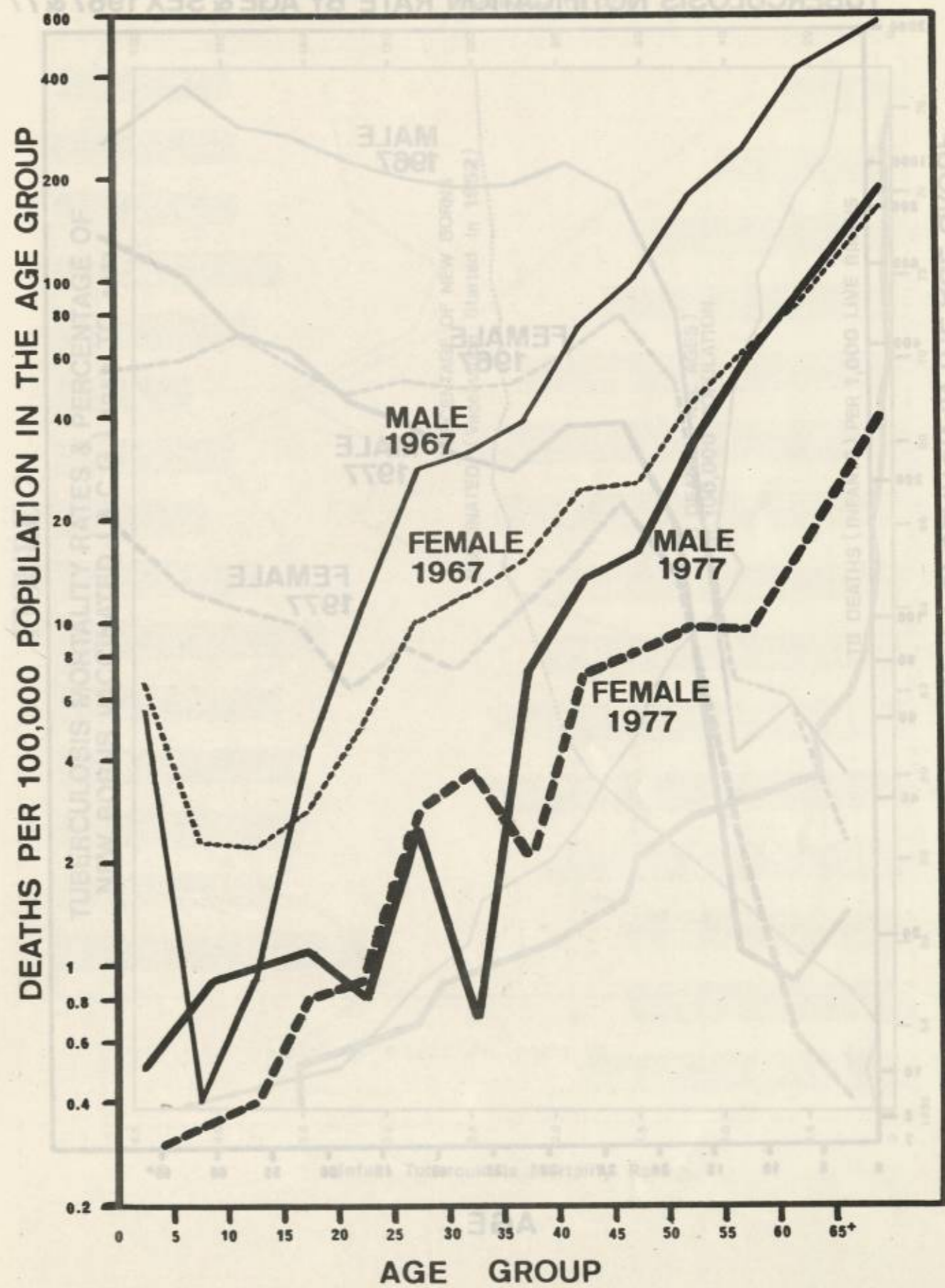


FIGURE 6

TUBERCULOSIS NOTIFICATION RATE BY AGE & SEX 1967 & 77

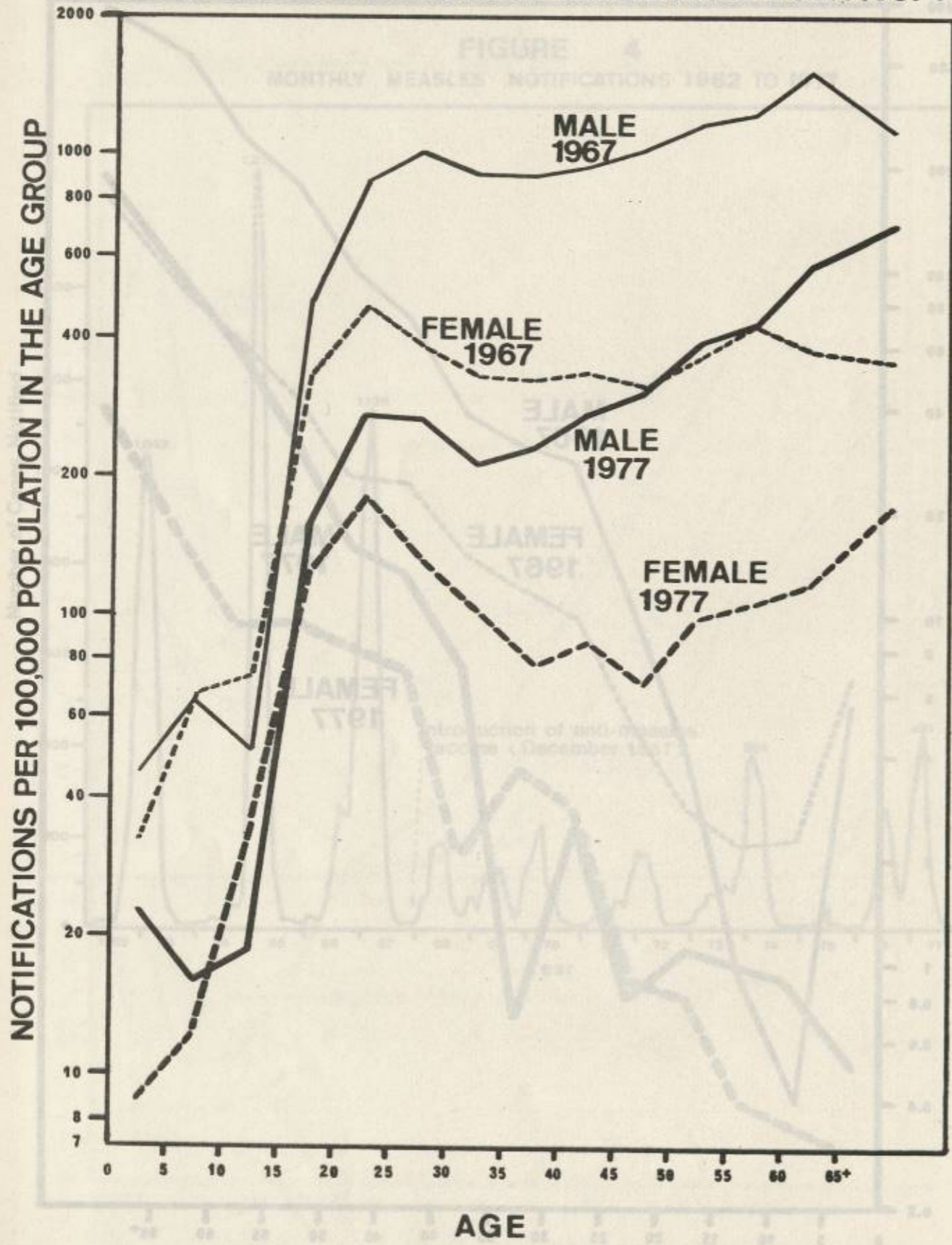


FIGURE 7

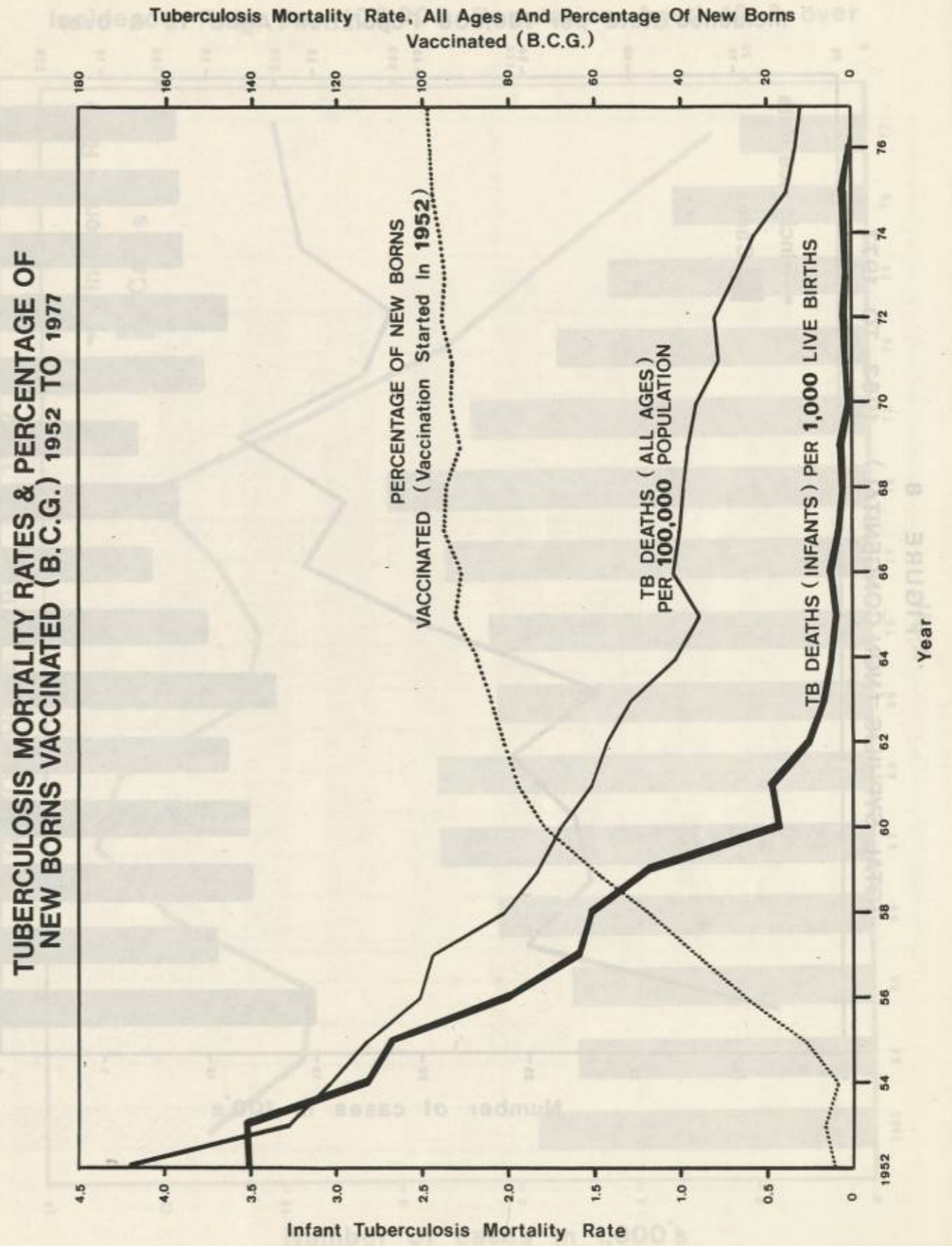


FIGURE 8  
TOTAL SYPHILIS (NON-CONGENITAL) 1963 TO 1977

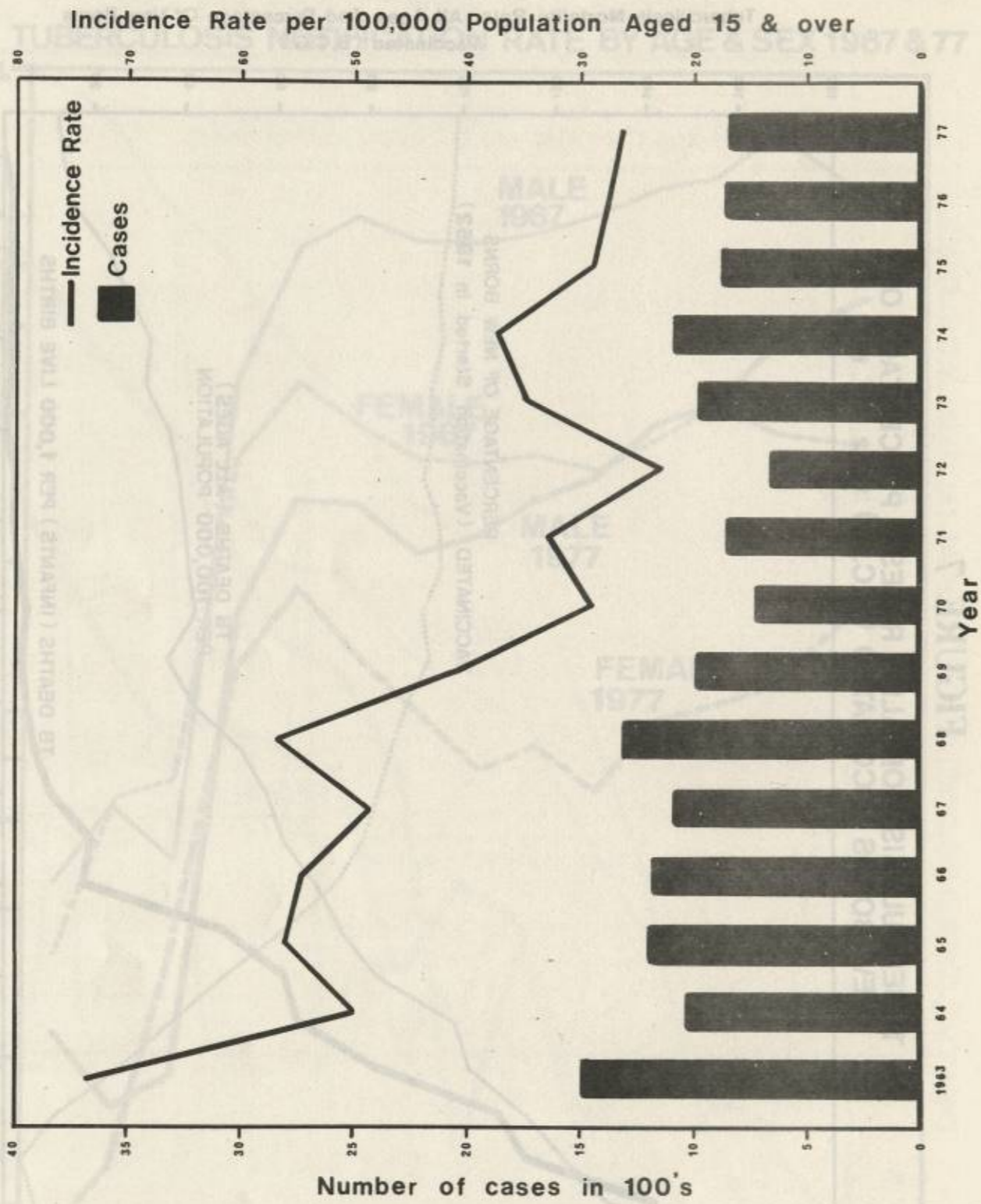


FIGURE 9  
GONORRHOEA 1963 TO 1977

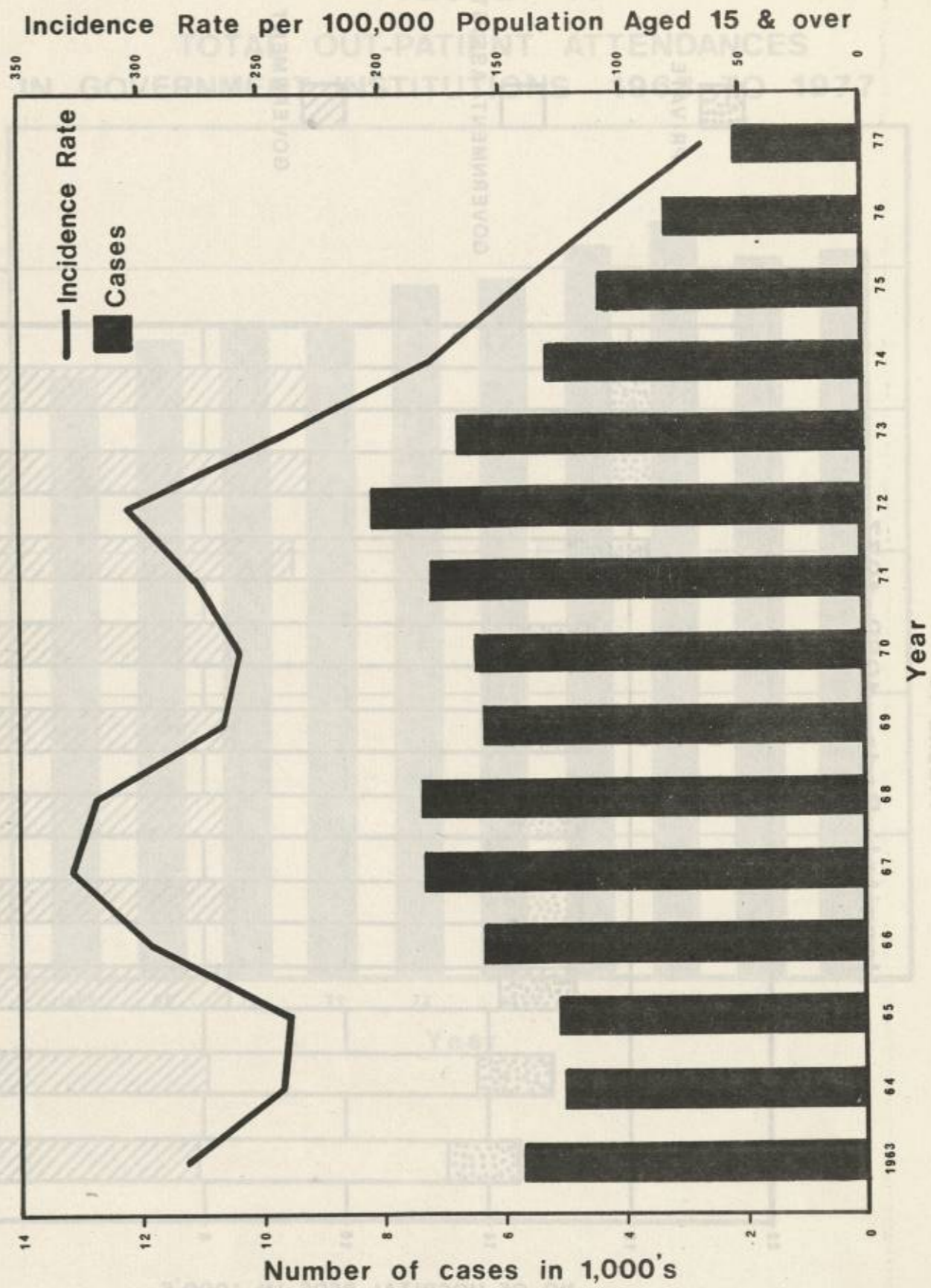


FIGURE 10  
Hospital Beds 1968-1977

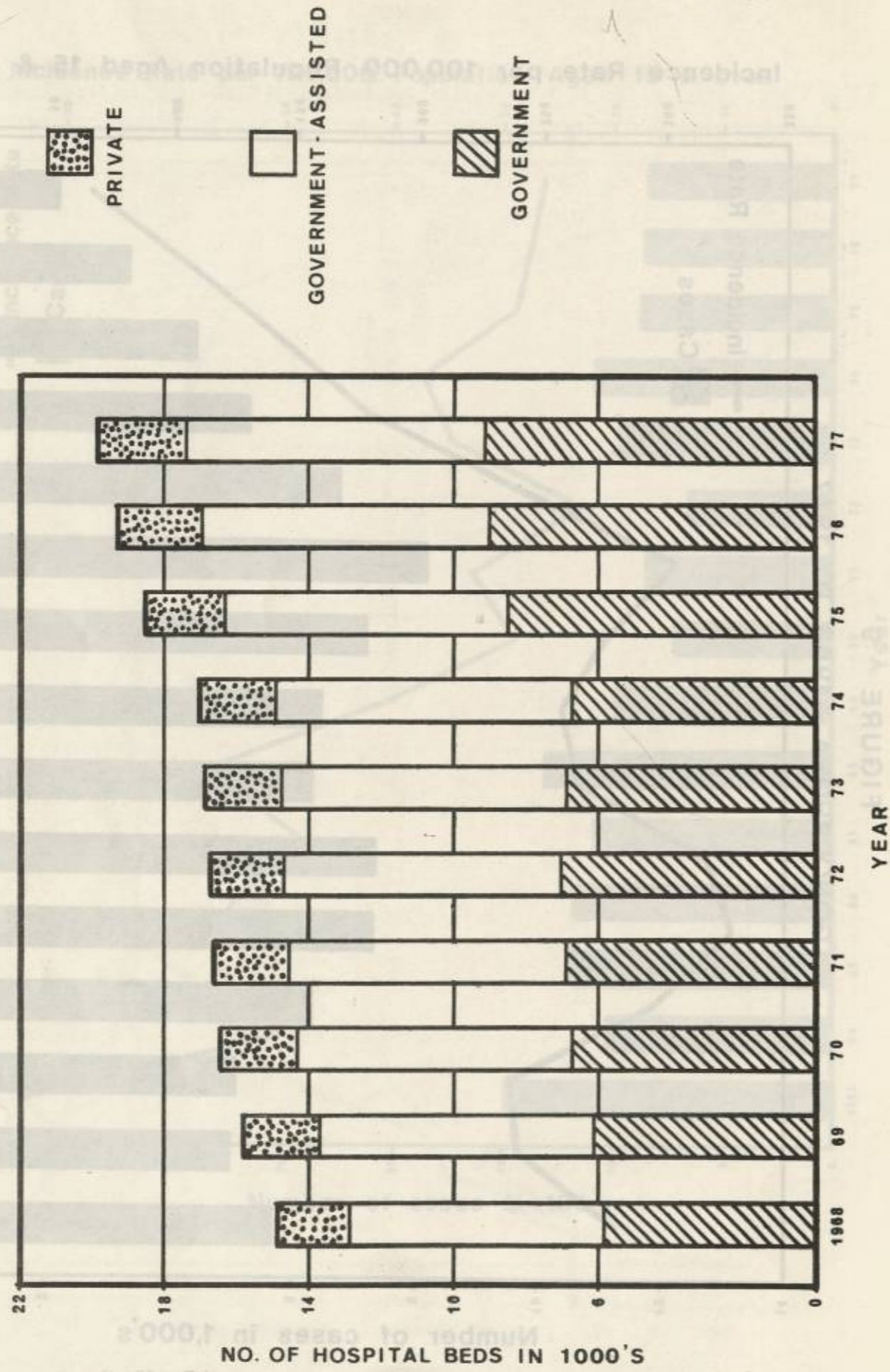
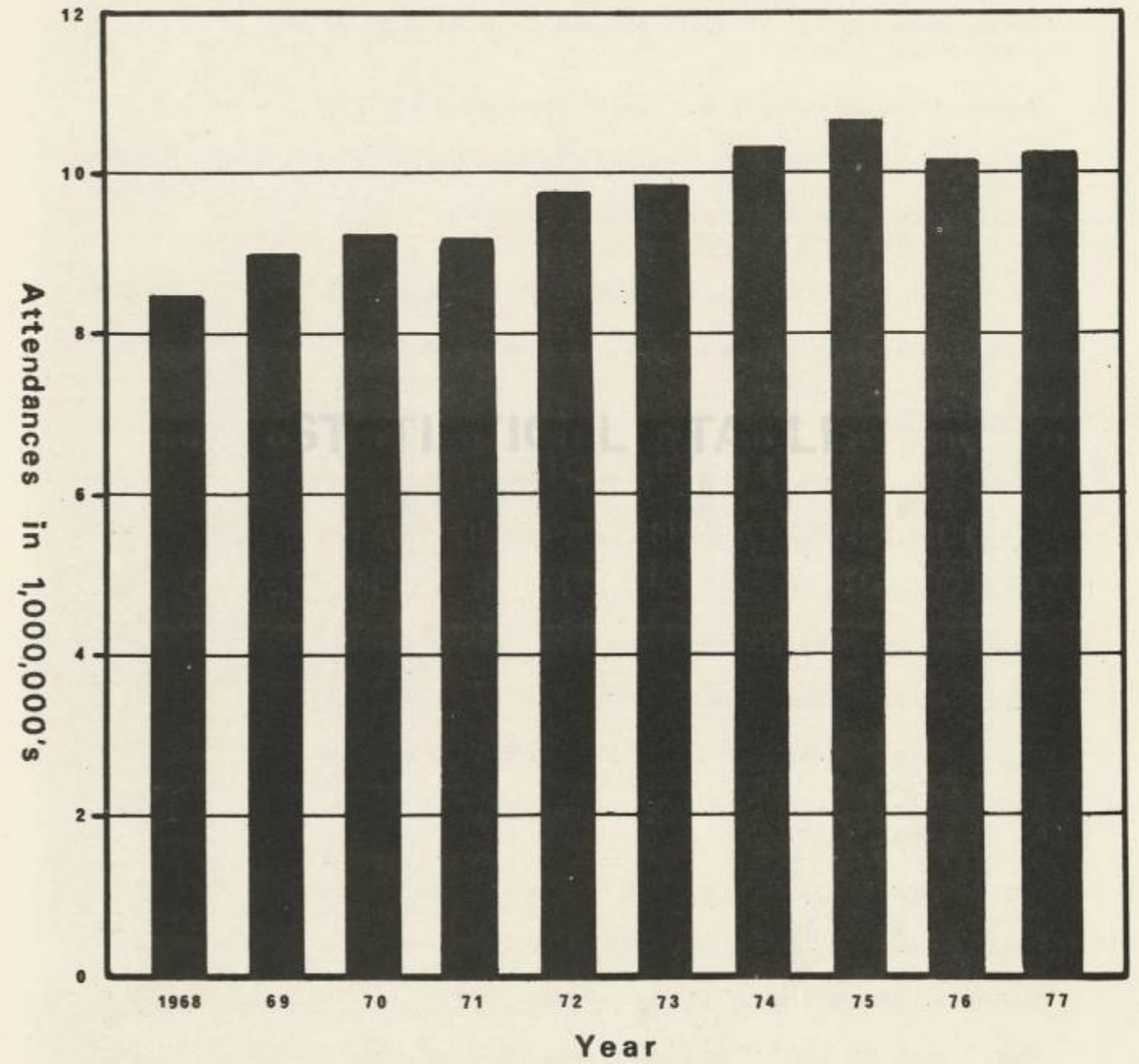
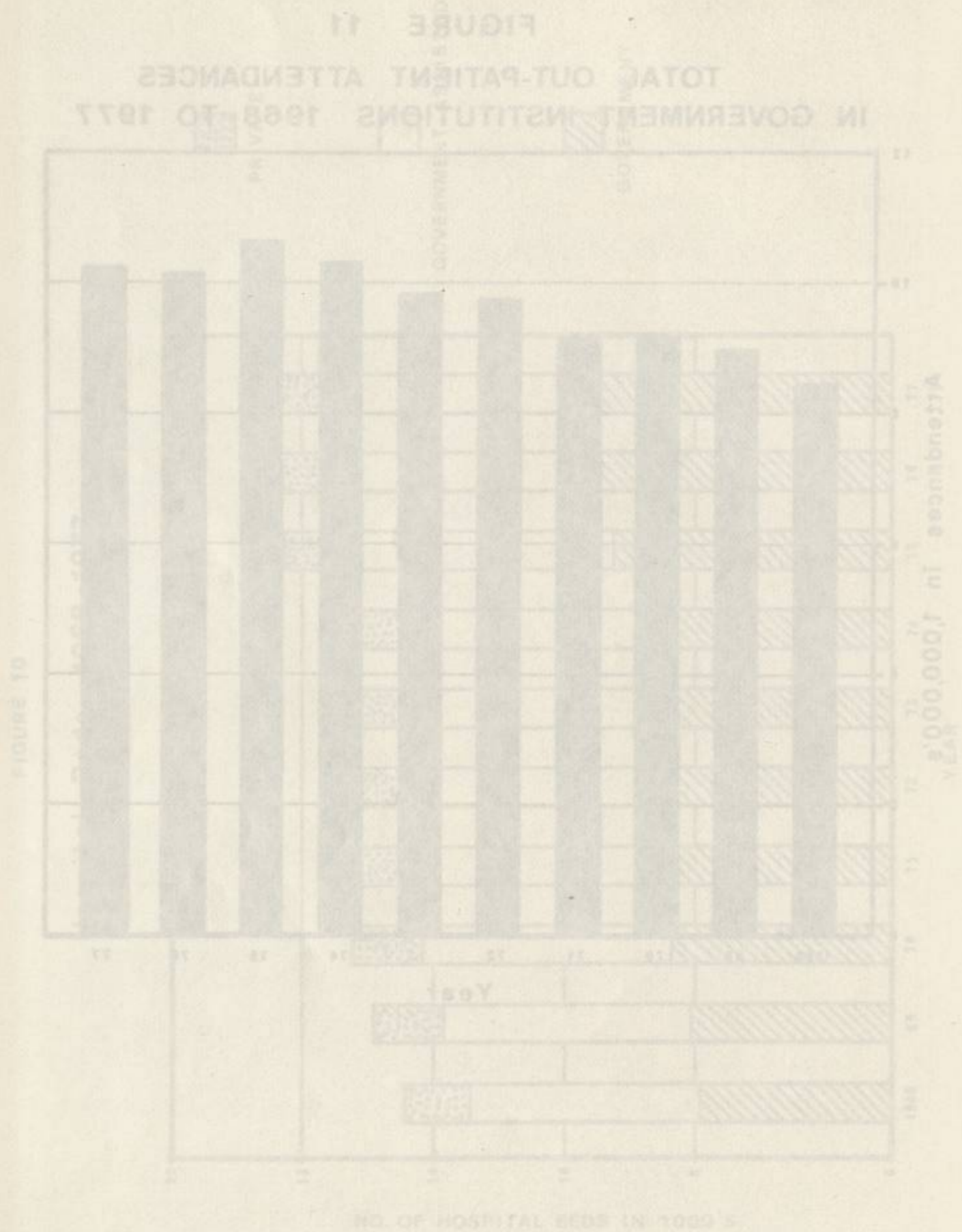


FIGURE 11  
TOTAL OUT-PATIENT ATTENDANCES  
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TABLE 1 (Cont'd)  
ESTABLISHMENT OF THE MEDICAL & HEALTH DEPARTMENT AS AT 31ST MARCH 1978

Grade	Zone	Headquarters	Queen Mary Hospital	Queen Elizabeth Hospital	Princess Margaret Hospital	Lai Chi Kok Hospital	Kowloon Hospital	Castle Peak Hospital & Mental Health Centres	Ts'an Yuk Hospital	Dental Service	TB & Chest Service	Other Hospitals, Clinics & Services	Total	Strength on 31.3.1978
Chief Pharmacist/Senior Pharmacist/ Chief Dispenser/Senior Dispenser/ Student Dispenser			21	23	20	1	7	6	2		9	162	251	252
Government Chemist/Chief Chemist/Senior Chemist/ Chemist/Assistant Biochemist				4	1			3				26	26	27
Scientific Officer (Medical)												2	7	6
Clinical Psychologist												2	5	5
Senior Physicist/Physicist				6								2	8	9
Chief Hospital Secretary/Senior Hosp. Secretary/ Hospital Secretary/Assistant Hosp. Secretary		2	3	5	4	1	2	2				8	27	26
Steward I, II & III			3	5	5	2	3	4	1			10	33	32
Principal Information Officer/Senior Information Officer		2											2	2
Statistician/Statistical Officer/Statistical Assistant		10	1	2	1						2		16	16
General Grade Staff		133	87	169	109	8	46	45	10	48	93	392	1140	1129
Superintendent Radiographer/Senior Radiographer/ Radiographer I/Radiographer II/Student Radiographer			35	64	23	1	4					43	170	168

TABLE 1 (Cont'd)  
ESTABLISHMENT OF THE MEDICAL & HEALTH DEPARTMENT AS AT 31ST MARCH 1978

Grade	Zone	Headquarters	Queen Mary Hospital	Queen Elizabeth Hospital	Princess Margaret Hospital	Lai Chi Kok Hospital	Kowloon Hospital	Castle Peak Hospital & Mental Health Centres	Ts'an Yuk Hospital	Dental Service	TB & Chest Service	Other Hospitals, Clinics & Services	Total	Strength on 31.3.1978
X-Ray Assistant			11	56	20	1	12					21	21	21
Superintendent Physiotherapist/Senior Physiotherapist/Tutor Physiotherapist/ Physiotherapist I/Physiotherapist II/ Student Physiotherapist												31	131	124
Superintendent Occupational Therapist/Senior Occupational Therapist/Occupational Therapist/ Occupational Therapy Assistant			5	8	12	6	11	54				20	116	96
Chief Medical Technologist/Senior Medical Technologist/Medical Technologist/Medical Laboratory Technician I/Medical Laboratory Technician II/Student Medical Laboratory Technician			16	50	60	1		3	4			114	248	246
Senior Laboratory Assistant/Laboratory Assistant/Student Laboratory Assistant												66	66	62
Senior Health Inspector/Health Inspector												11	11	9
Senior Inoculator/Inoculator											14	111	125	105
Audiology Technician												4	4	3
Senior Prosthetist/Prosthetist I/Prosthetist II/ Student Prosthetist												24	24	18

TABLE 1 (Cont'd)  
ESTABLISHMENT OF THE MEDICAL & HEALTH DEPARTMENT AS AT 31ST MARCH 1978

Grade	Zone	Establishment of the Medical & Health Department as at 31st March 1978											Total	Strength on 31.3.1978		
		Headquarters	Queen Mary Hospital	Queen Elizabeth Hospital	Princess Margaret Hospital	Lai Chi Kok Hospital	Kowloon Hospital	Castle Peak Hospital & Mental Health Centres	Tsao Yuk Hospital	Dental Service	TB & Chest Service	Other Hospitals, Clinics & Services				
Senior Mould Laboratory Technician/Mould Laboratory Technician/Student Mould Laboratory Technician		2	6												8	8
Dental Technologist									2						2	2
Dental Technician/Student Dental Technician		1	1	1					58						61	59
Dental Inspector									2						2	1
Senior Dental Surgery Assistant/Dental Surgery Assistant		3	4	3			1		79						93	90
Dental Therapist									20						20	17
Laundry Manager/Assistant Laundry Manager			3								3				6	6
Linen Production Unit Manager/Linen Production Unit Supervisor			1								5				6	6
Senior Electrical Technician/Electrical Technician		3	4	1							4				12	12
Senior Optical Technician/Optical Technician											5				5	5
Technical Assistant (Social Hygiene)											1				1	1
Kitchen Supervisor						1									4	4

TABLE 1 (Cont'd)  
ESTABLISHMENT OF THE MEDICAL & HEALTH DEPARTMENT AS AT 31ST MARCH 1978

Grade	Zone	Establishment of the Medical & Health Department as at 31st March 1978											Total	Strength on 31.3.1978		
		Headquarters	Queen Mary Hospital	Queen Elizabeth Hospital	Princess Margaret Hospital	Lai Chi Kok Hospital	Kowloon Hospital	Castle Peak Hospital & Mental Health Centres	Tsao Yuk Hospital	Dental Service	TB & Chest Service	Other Hospitals, Clinics & Services				
Mortuary Assistant			1												6	6
Medical Board Assistant															1	1
Poster Artist		1													1	1
Photographer I & II			1	2											5	5
Fumigator															1	1
Senior Foreman/Foreman				12											20	20
Senior Supplies Officer/Assistant Supplies Officer/Supplies Supervisor I & II/Supplies Assistant		7	6	11	9	1	5		5		25			73	65	
Telephone Operator		1	8	8	7	4	5				11			52	48	
Hospital Receptionist			3	3	3									9	9	
Other Staff		4	835	1253	832	105	476	583	43	33	1837			6137	5901	
Total		203	2008	3385	2218	206	1126	1263	338	355	4515			15945	15391	

TABLE 2

ORGANISATION OF MEDICAL AND HEALTH DEPARTMENT - POSITION AS AT 31st March 1978

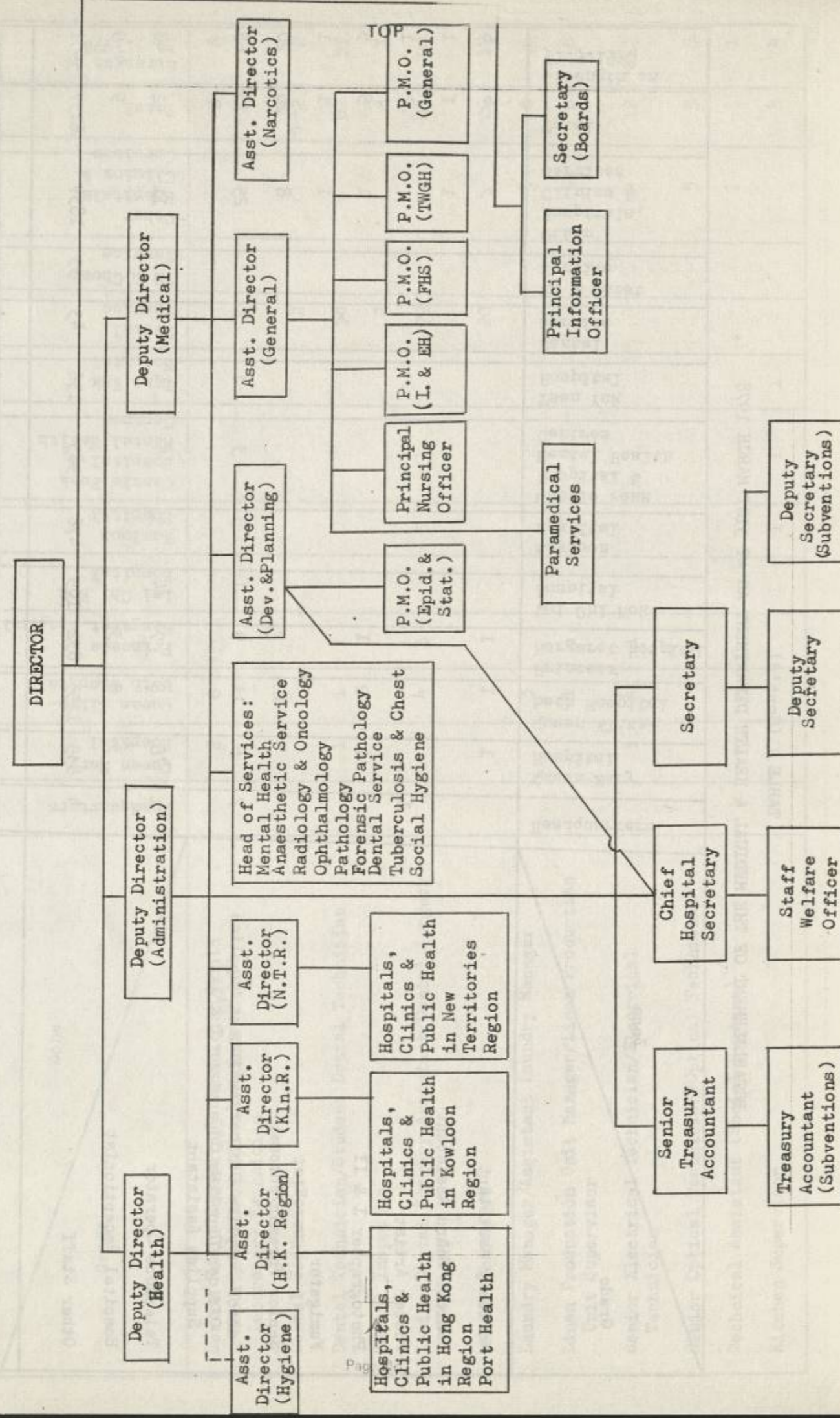


TABLE 3

STATEMENT OF EXPENDITURE FROM 1973/74 TO 1977/78

Particulars	1973/74 \$	1974/75 \$	1975/76 \$	1976/77 \$	1977/78 \$
a. Medical and Health Department	297,849,063	356,734,127	387,434,036	449,748,296	500,669,323
b. Medical Subventions	134,149,583	168,934,962	167,025,229	187,193,402	239,791,565
c. Capital expenditure on medical projects under Public Works Non-Recurrent	37,659,327	49,564,518	16,160,556	28,896,749	22,625,149
<b>TOTAL</b>	<b>469,657,973</b>	<b>575,233,607</b>	<b>570,619,821</b>	<b>665,838,447</b>	<b>763,086,037</b>
Total expenditure of Hong Kong	5,169,157,029	6,255,150,535	6,032,190,492	6,590,911,658	8,996,892,175
Percentage of Medical and Health Department Expenditure to the Total Expenditure of Hong Kong	9.09%	9.20%	9.46%	10.10%	8.48%

TABLE 4

LEGISLATION OF MEDICAL AND HEALTH IMPORTANCE

APRIL 1977 TO MARCH 1978

ORDINANCES

Dentists Registration (Amendment) Ordinance 1977

Pharmacy and Poisons (Amendment) Ordinance 1977

RULES AND REGULATIONS

Antibiotics (Amendment) Regulation 1977

Places for Post-mortem Examination (Amendment) Order 1977

Dentists (Registration and disciplinary Procedure)(Amendment) Regulations 1977

Pharmacy and Poisons (Amendment) Regulation 1977  
Resolution approving the Regulations

Pharmacy and Poisons (Amendment)(No. 2) Regulation 1977  
Resolution approving the Regulations

Poisons List (Amendment) Regulation 1977  
Resolution approving the regulations

Medical Practitioners (Registration and Disciplinary Procedure)(Amendment) Regulations 1978

TABLE 5

WORK OF STATUTORY COUNCILS - APRIL 1977 TO MARCH 1978

WORK	COUNCIL	MEDICAL		DENTAL		
		Local List	Overseas List	Dentists		Dental Hygienists
				Local List	Overseas List	
Number on the Register on 31.3.1978		3,036	373	611	42	16
Number of Applications for registration	Registration	235	23	90	2	2
	Provisional Registration	-	-	-	-	-
Number of registrations granted	Registration	235	23	65	2	2
	Provisional Registration Part IV of Register	151 105*	-	-	-	-
Number of examinations held	Oral	1*	-	-	-	-
	Oral & Practical Written	1*	-	28 2	-	-
Number of candidates examined	Oral	142*	-	-	-	-
	Oral & Practical Written	170*	-	55 14	-	-
Number of successful candidates	Oral	112*	-	-	-	-
	Oral & Practical Written	145*	-	22 12	-	-
Disciplinary hearings held	No. of hearings	4	-	3	-	-
	No. of persons charged	14	-	3	-	-
Number of removals from register		36	-	5	-	-

Number of Meetings held : Medical council 1  
Dental council 1  
Licentiate committee 4

\* Licentiate Scheme for unregistrable doctors

TABLE 6

## WORK OF STATUTORY BOARDS - APRIL 1977 TO MARCH 1978

WORK	NURSING		MIDWIVES	PHARMACY & POISONS		
	BOARDS					
	General	Mental				
	Regis- tered	Enrolled	Regis- tered	Enrolled		
Number on the Register on 31.3.1978	9093	2821	304	130	6240	293
Number of applications for registration	660	301	16	13	279	50
Number of registrations granted	650	247	15	13	277	30
Number of examinations held	3	3	3	3	4	2
Number of candidates examined	637	236	27	17	255	56
Number of successful candidates	600	228	16	8	252	18
Disciplinary hearings held	-	-	-	-	-	-
No. of hearings	-	-	-	-	-	-
No. of persons charged	-	-	-	-	-	-
Number of removals from register	3	-	-	-	1	-

Number of Meetings held : Nursing Board 3  
Midwives Board 4  
Pharmacy & Poisons Board 3  
Radiation Board 1

Details of Licences Issued  
by the Radiation Board  
April 1977 to March 1978

	Irradiating Apparatus Licence	Radioactive Substances Licence
Total No. of licences remained in force as at 31.3.78	495	148
No. of Applications for licences	130	65
No. of licences granted	128	55
No. of licences cancelled	67	8

TABLE 7

## ESTIMATED POPULATION STRUCTURE MID-1977

Age Group	Male	Female	Total
0	41,400	38,000	79,400
1 - 4	164,200	154,800	319,000
5 - 9	206,600	196,200	402,800
10 - 14	262,100	251,300	513,400
15 - 19	281,100	266,100	547,200
20 - 24	241,700	225,800	467,500
25 - 29	201,700	178,500	380,200
30 - 34	136,400	107,800	244,200
35 - 39	121,200	95,500	216,700
40 - 44	134,800	116,500	251,300
45 - 49	132,000	121,600	253,600
50 - 54	119,600	113,700	233,300
55 - 59	97,300	95,600	192,900
60 - 64	76,900	80,000	156,900
65 - 69	47,300	59,900	107,200
70 - 74	24,900	45,800	70,700
75 - 79	13,300	30,800	44,100
80 and over	8,000	25,500	33,500
Total	2,310,500	2,203,400	4,513,900

TABLE 8  
VITAL STATISTICS - HONG KONG  
(Absolute Number)

Year	Population* (1)	Registered# Live Births (2)	Registered# Deaths (3)	Late Foetal Deaths (Still Births) (4)	Early Neo. Deaths (5)	Late Neo. Deaths (6)	Post Neo. Deaths (7)	Peri- Natal Deaths (8)= (4)+(5)	Neo- Natal Deaths (9)= (5)+(6)	Infant# Deaths (10)=(5)+ (6) + (7)	Maternal Deaths (11)
1951	2,015,300	68,500	20,580	1,180	1,205	936	4,144	2,385	2,141	6,285	111
52	2,125,900	71,976	19,459	1,157	1,017	873	3,656	2,174	1,890	5,546	84
53	2,242,200	75,544	18,300	1,158	1,073	875	3,612	2,231	1,948	5,560	75
54	2,364,900	83,317	19,283	1,341	1,002	1,048	3,978	2,343	2,050	6,028	105
55	2,490,400	90,511	19,080	1,250	1,213	882	3,917	2,463	2,095	6,012	107
1956	2,614,600	96,746	19,295	988	1,303	1,039	3,553	2,291	2,342	5,895	88
57	2,736,300	97,834	19,365	1,245	1,323	1,007	3,106	2,568	2,330	5,436	105
58	2,854,100	106,624	20,554	1,297	1,413	1,079	3,294	2,710	2,492	5,786	92
59	2,967,400	104,579	20,250	1,393	1,335	888	2,831	2,728	2,223	5,054	77
60	3,075,300	110,667	19,146	1,680	1,309	1,003	2,279	2,989	2,312	4,591	55
1961	3,168,100	108,726(110,884)	18,738(19,325)	1,683	1,226	1,054	1,818	2,909	2,280	4,098	50
62	3,305,200	111,905(112,503)	20,324(20,933)	1,560	1,260	1,109	1,761	2,820	2,369	4,130	54
63	3,420,900	115,263(114,550)	19,748(20,340)	1,633	1,206	972	1,623	2,839	2,178	3,801	34
64	3,504,600	108,519(107,625)	18,113(18,657)	1,485	1,115	684	1,071	2,600	1,799	2,870	42
65	3,597,900	102,195(101,110)	17,621(18,150)	1,363	1,017	537	871	2,380	1,554	2,425	34
1966	3,629,900	92,476( 91,832)	18,700(19,261)	1,246	1,011	407	882	2,257	1,418	2,300	40
67	3,722,800	88,171( 88,215)	19,644(20,234)	999	958	440	862	1,957	1,398	2,260	27
68	3,802,700	82,992( 82,685)	19,319(19,444)	832	843	404	664	1,675	1,247	1,911	12
69	3,863,900	79,329( 82,482)	18,730(19,256)	757	810	373	548	1,567	1,183	1,731	12
70	3,959,000	77,465( 79,132)	20,763(19,996)	726	734	252	535	1,460	986	1,521	15
1971	4,045,300	76,818( 79,789)	20,253(20,374)	656	716	254	440	1,372	970	1,410(1,415)	11
72	4,115,700	79,053( 80,344)	21,145(21,397)	736	740	174	466	1,476	914	1,380(1,396)	16
73	4,212,600	80,147( 82,252)	21,360(21,251)	681	724	157	464	1,405	881	1,345(1,351)	8
74	4,319,600	81,879( 83,581)	22,050(21,879)	621	717	184	520	1,338	901	1,421(1,407)	13
75	4,395,800	78,200( 79,790)	21,191(21,597)	565	671	133	369	1,236	804	1,173(1,192)	2
1976	4,443,800	76,342( 78,486)	23,195(22,692)	521	564	127	401	1,085	691	1,092(1,085)	14
77	4,513,900	78,807( 79,888)	23,459(23,406)	528	565	140	388	1,093	705	1,093(1,081)	13

\* 1951-1960 based on 1961 Census, 1961-1970 based on 1971 Census, 1971-1977 based on 1976 By-Census

# Figures in brackets denote adjusted births and deaths for 1961-1968 and known births and deaths for 1969-1977

TABLE 9  
VITAL STATISTICS - HONG KONG  
(Rate)

Year	Crude* Birth Rate (1)	Crude* Death Rate (2)	Late Foetal Mort. (3)	Early Neo. Mort. (4)	Late Neo. Mort. (5)	Post Neo. Mort. (6)	Peri- Natal Mort. (7)	Neo- Natal Mort. (8)=(4)+(5)	Infant Mort. (9)=(4)+ (5)+(6)	Maternal Mort. (10)
1951	34.0	10.2	16.9	17.6	13.7	60.5	34.2	31.3	91.8	1.59
52	33.9	9.2	15.8	14.1	12.1	50.8	29.7	26.3	77.1	1.15
53	33.7	8.2	15.1	14.2	11.6	47.8	29.1	25.8	73.6	0.98
54	35.2	8.2	15.8	12.0	12.6	47.8	27.7	24.6	72.4	1.24
55	36.3	7.7	13.6	13.4	9.7	43.3	26.8	23.1	66.4	1.17
1956	37.0	7.4	10.1	13.5	10.7	36.7	23.4	24.2	60.9	0.90
57	35.8	7.1	12.6	13.5	10.3	31.8	25.9	23.8	55.6	1.06
58	37.4	7.2	12.0	13.3	10.1	30.9	25.1	23.4	54.3	0.85
59	35.2	6.8	13.1	12.8	8.5	27.1	25.7	21.3	48.3	0.73
60	36.0	6.2	15.0	11.8	9.1	20.6	26.6	20.9	41.5	0.49
1961	34.3	5.9	15.2	11.3	9.7	16.7	26.3	21.0	37.7	0.45
62	33.9	6.1	13.7	11.3	9.9	15.7	24.9	21.2	36.9	0.48
63	33.7	5.8	14.0	10.5	8.4	14.1	24.3	18.9	33.0	0.29
64	31.0	5.2	13.5	10.3	6.3	9.9	23.6	16.6	26.4	0.38
65	28.4	4.9	13.2	10.0	5.3	8.5	23.0	15.2	23.7	0.33
1966	25.5	5.2	13.3	10.9	4.4	9.5	24.1	15.3	24.9	0.43
67	23.7	5.3	11.2	10.9	5.0	9.8	21.9	15.9	25.6	0.30
68	21.8	5.1	9.9	10.2	4.9	8.0	20.0	15.0	23.0	0.14
69	20.5	4.8	9.5	10.2	4.7	6.9	19.6	14.9	21.8	0.15
70	19.6	5.2	9.3	9.5	3.3	6.9	18.7	12.7	19.6	0.19
1971	19.0	5.0	8.5	9.3	3.3	5.7	17.7	12.6	18.4(17.7)	0.14
72	19.2	5.1	9.2	9.4	2.2	5.9	18.5	11.6	17.5(17.4)	0.20
73	19.0	5.1	8.4	9.0	2.0	5.8	17.4	11.0	16.8(16.4)	0.10
74	19.0	5.1	7.5	8.8	2.2	6.4	16.2	11.0	17.4(16.8)	0.16
75	17.8	4.8	7.2	8.6	1.7	4.7	15.7	10.3	15.0(14.9)	0.03
1976	17.2	5.2	6.8	7.4	1.7	5.3	14.1	9.1	14.3(13.8)	0.18
77	17.5	5.2	6.7	7.2	1.8	4.9	13.8	8.9	13.9(13.5)	0.16

( (1) & (2) : per 1,000 population

( Rates:(4), (5), (6), (8) & (9) : per 1,000 live births. )

( (3), (7) & (10) : per 1,000 total births

\* Figures in brackets were calculated by using adjusted births & deaths figures for 1961-1968 and known births & deaths for 1969-1977. Rates for 1971-1975 had been re-calculated based on the revised population figures.

TABLE 10

## HONG KONG DEATH RATES 1963 TO 1977

(Deaths per 1,000 population)

Year	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Rate															
Standardised * Death Rate	11.72	11.18	10.60	11.20	11.32	11.20	10.62	11.10	10.45	10.36	9.93	9.76	9.25	9.97	9.76
Crude Death Rate	5.77	5.17	4.90	5.15	5.28	5.08	4.85	5.24	5.01	5.14	5.07	5.10	4.82	5.22	5.20
Age Specific Death Rate															
0	36.51	27.97	24.23	24.44	26.25	23.59	22.08	19.86	18.65	17.51	16.58	17.33	14.34	14.31	13.77
1 - 4	3.11	1.80	1.96	2.29	2.93	1.21	0.94	1.18	0.95	0.95	1.07	1.10	0.77	0.84	0.78
5 - 9	0.72	0.67	0.58	0.48	0.56	0.49	0.34	0.45	0.41	0.44	0.39	0.39	0.39	0.41	0.32
10 - 14	0.63	0.59	0.41	0.53	0.51	0.45	0.32	0.42	0.36	0.35	0.38	0.36	0.28	0.32	0.33
15 - 19	0.77	0.80	0.76	0.74	0.71	0.72	0.55	0.71	0.59	0.65	0.65	0.54	0.45	0.57	0.46
20 - 24	1.20	1.08	1.18	1.09	0.95	0.92	0.83	1.06	0.87	0.99	0.98	0.95	0.74	0.80	0.72
25 - 29	1.48	1.42	1.27	1.34	1.29	1.28	1.06	1.27	1.26	1.12	1.37	1.18	0.91	1.02	1.01
30 - 34	2.00	1.62	1.70	1.75	1.68	1.60	1.41	1.75	1.54	1.49	1.66	1.73	1.24	1.60	1.17
35 - 39	2.13	2.63	2.29	2.37	2.38	2.17	1.98	2.19	2.08	2.13	2.03	1.81	1.61	1.84	1.87
40 - 44	4.32	3.73	3.63	3.71	3.69	3.58	3.11	3.51	3.28	3.22	3.20	3.08	2.89	2.88	2.80
45 - 49	5.95	5.57	5.49	5.42	5.14	5.00	4.94	5.35	4.73	4.82	4.66	4.59	4.14	4.65	4.32
50 - 54	9.87	9.47	9.29	8.76	8.76	8.53	8.15	8.14	8.07	7.42	7.90	7.35	6.83	7.12	6.48
55 - 59	14.17	12.90	11.94	12.55	12.56	13.07	13.24	14.37	12.67	10.57	11.36	10.98	10.91	10.97	10.81
60 - 64	22.74	21.46	19.90	21.08	20.27	21.42	19.51	20.45	19.40	19.99	19.71	18.70	17.15	18.10	17.96
65 - 69	26.45	26.42	24.73	27.38	28.06	28.69	28.31	30.51	28.64	27.66	26.47	26.55	25.92	28.12	27.87
70 - 74	44.68	45.25	42.23	45.65	43.02	42.56	37.73	42.82	41.67	41.75	38.69	38.69	36.41	39.99	38.77
75 - 79	68.67	62.81	58.71	60.89	64.62	66.95	67.03	66.91	61.65	60.57	53.53	53.54	53.73	61.01	57.85
80+	107.08	109.06	107.90	116.38	120.68	118.07	112.69	110.43	106.41	111.74	104.89	103.62	99.87	106.01	108.84

\* Basing on population figures for England and Wales 1971

(Reference : United Nations Demographic Year-Book 1972)

TABLE 11

## MAJOR CAUSES OF INFANT DEATH 1961, 1967 AND 1973 TO 1977

Disease Group	1961*	1967*	1973	1974	1975	1976	1977
Meningitis	26	31	16	29	17	17	18
Bronchitis	6	8	10	7	8	7	6
Pneumonia	1,166	615	258	251	156	137	114
Gastroenteritis, colitis, and other diarrhoeal disease	627	151	74	70	34	48	41
Congenital anomalies	157	181	283	327	324	289	328
Birth injury and difficult labour	47	58	28	44	45	44	57
Haemolytic disease of newborn	97	132	46	41	27	29	19
Anoxic and hypoxic conditions not elsewhere classified	142	154	128	157	141	134	148
Other conditions of foetus or newborn	19	28	17	38	98	87	73
Immaturity, unqualified	1,142	481	326	265	214	192	193
Others	669	421	159	192	109	108	116
All Causes	4,098	2,260	1,345	1,421	1,173	1,092	1,093
Total Registered Live-births	108,726	88,171	80,147	81,879	78,200	76,342	78,807

\* Data grouping according to I.C.D. 7th revision (1955)

TABLE 12

## MAJOR CAUSES OF MATERNAL DEATH 1961, 1967 AND 1973 TO 1977

* Detailed List No., 8th Rev. (1965) Year	Sepsis (excl. septic abortions) 630, 635, 670, 671 & 673	Toxaemias 636-639	Haemorrhages 632 & 651 - 653	Abortions 640-645	Ectopic Pregnancies 631	Others Remainder of 630-678	Total
1967	1	5	11	1	3	6	27
1973	-	2	1	1	1	3	8
1974	1	1	7	-	1	3	13
1975	-	-	1	-	-	1	2
1976	1	3	5	2	1	2	14
1977	-	1	7	3	1	1	13

\* Data Grouping according to I.C.D. 7th Revision for the years 1961 &amp; 1967

TABLE 13

PROPORTIONATE MORTALITY BY DISEASE GROUPS 1961, 1967 AND 1973 TO 1976  
(As Percentage of Total Deaths)

Disease Group	Detailed List No. 8th Revision	1961	1967	1973	1974	1975	1976	1977
Infective and Parasitic	000 - 136	16.2	13.4	6.5	5.8	4.0	3.3	3.2
Neoplasms	140 - 239	12.3	17.4	21.4	21.4	24.2	23.2	24.1
Endocrine, Nutritional, Metabolic and Blood	240 - 289	0.9	1.3	1.4	1.2	1.5	1.7	1.6
Nervous System, Sense Organs and Mental Disorders	290 - 389	0.8 #	1.0 #	0.7	0.9	0.9	0.8	0.9
Circulatory System	390 - 458	18.2	23.7	25.1	25.4	27.7	28.9	28.7
Respiratory System	460 - 519	16.3	14.5	15.8	17.2	15.8	14.5	15.4
Digestive System	520 - 577	7.7	5.3	5.3	5.1	4.6	5.0	4.8
Genito-Urinary System	580 - 629	2.0	1.9	2.1	1.7	2.0	2.2	2.2
Pregnancy, Child-birth and Puerperium	630 - 678	0.3	0.1	0.0	0.1	0.0	0.1	0.1
Skin and Musculo-skeletal System	680 - 738	0.2	0.2	0.3	0.3	0.3	0.4	0.3
Congenital Anomalies and Causes of Perinatal Mortality	740 - 779	8.8	5.6	4.2	4.3	4.4	3.8	3.7
Symptoms and Ill-defined Conditions	780 - 796	10.4	8.8	8.3	8.7	7.9	8.0	7.5
Accidents, Poisonings and Violence	E800 -E999	5.9	6.8	8.9	7.9	6.7	8.1	7.5

# Excluding Cerebrovascular Disease (formerly Vascular Lesion affecting Central Nervous System under the Nervous System and Sense Organs) : 7.5% in 1961 and 9.7% in 1967

TABLE 14

## THE TEN LEADING CAUSES OF DEATH BY AGE AND SEX 1977

Rank	Cause of Death	Detailed List No. 8th Revision	Sex	All Ages	Age Group							Unknown
					0	1-4	5-14	15-44	45-64	65+		
	All Causes	000-E999	M F T	12824 10635 23459	138 111 249	173 124 297	1589 776 2365	4989 2522 7511	5303 6623 11926	15 3 18		
1	Malignant neoplasms including neoplasms of lymphatic & haematopoietic tissues	140-209	M F T	3396 2256 5652	14 10 24	34 22 56	437 220 657	1787 945 2732	1123 1056 2179	- - -		
2	Heart Diseases, including hypertensive diseases	390-392 393-398 400-404 410-414 420-429	M F T	2179 1956 4135	- 1 1	7 11 18	116 88 204	895 433 1328	1161 1422 2583	- - -		
3	Cerebrovascular Diseases	430-438	M F T	1076 1346 2422	- - -	1 3 4	35 25 60	445 309 754	592 1008 1600	2 - 2		
4	Pneumonia, all forms	480-486	M F T	1148 1164 2312	25 28 53	6 14 20	78 29 107	305 132 437	675 905 1580	1 - 1		
5	All accidents	E800-E807 E810-E823 E825-E949	M F T	680 314 994	41 31 72	68 36 104	318 68 386	163 68 231	73 97 170	1 1 2		
6	Bronchitis, emphysema and asthma	490-493	M F T	539 374 913	- 1 1	4 - 4	13 6 19	203 74 277	318 293 611	- - -		

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TABLE 14 (Cont'd)

Rank	Cause of Death	Detailed List No. 8th Revision	Sex	All Ages	Age Group							Unknown
					0	1-4	5-14	15-44	45-64	65+		
7	Suicide and self-inflicted injuries	E950-E959	M F T	342 287 629	- - -	1 1 2	153 123 276	134 80 214	53 83 136	1 - 1		
8	Tuberculosis	010-012 013-019	M F T	399 133 532	1 1 2	4 1 5	38 23 61	187 43 230	169 65 234	- - -		
9	Certain causes of Perinatal Mortality	760-779	M F T	272 198 470	- - -	- - -	- - -	- - -	- - -	- - -		
10	Congenital Anomalies	740-759	M F T	214 185 399	25 13 38	9 9 18	7 4 11	3 - 3	1 - 1	- - -		
	Nephritis and Nephrosis	580-584	M F T	205 175 380	3 - 3	3 5 8	45 30 75	87 54 141	65 86 151	- - -		
	Cirrhosis of Liver	571	M F T	256 96 352	- - -	- - -	38 9 47	153 39 192	65 48 113	- - -		
	Diabetes Mellitus	250	M F T	132 129 261	- - -	- - -	8 5 13	43 42 85	81 82 163	- - -		
	All other causes	Residue of 000-E999	M F T	1986 2022 4008	29 26 55	36 22 58	303 146 449	584 303 887	927 1478 2405	10 2 12		