ANNUAL REPORT 2007 TUBERCULOSIS & CHEST SERVICE

OF THE

DEPARTMENT OF HEALTH

ANNUAL REPORT 2007 TUBERCULOSIS & CHEST SERVICE OF THE DEPARTMENT OF HEALTH

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PREFACE

Tuberculosis (TB) is still a major infectious disease worldwide. Effective anti-TB treatment has been available for half a century. However, with the long course of treatment required to cure the disease, non-adherence and emergence of drug resistance were encountered since the earliest days of chemotherapy. Notwithstanding the increasing coverage of Directly Observed Treatment Short course (DOTS), anti-TB drug resistance remains a grave concern worldwide. The problem is most acute in areas with HIV co-epidemic or gross social inequities, but increasing movement of populations has rendered it a global crisis affecting all countries. Besides multidrug-resistant tuberculosis (MDR-TB) with resistance to at least the two key first-line drugs, isoniazid and rifampicin, there have been accumulating reports of extensively drug-resistant TB (XDR-TB), which is MDR-TB with additional resistance to the fluoroquinolones and one or more of the three injectable drugs capreomycin, kanamycin and amikacin, in different parts of the world. XDR-TB carries a very poor prognosis with high treatment failure and mortality rates. The mortality reached >90% among HIV-coinfected patients in a recent report from South Africa. Significant epidemiological clustering was also observed, probably reflecting the prolonged period of infectiousness with ineffective treatment, especially in the nosocomial settings.

In Hong Kong, the first public service for TB was established in 1947. Specific treatment with anti-TB drugs was first introduced in 1950, with the use of para-aminosalicylic acid. Later streptomycin was introduced in 1951 and isoniazid in 1952. Effective combination chemotherapy then became available, even though the full course of treatment with these three drugs required as long as 18 months to complete. However, taking a large number of tablets over a prolonged period was not an easy task. Many patients stopped treatment when their symptoms improved after the first few weeks of treatment. Only about one quarter of patients managed to complete treatment. Drug resistance to streptomycin and isoniazid mounted rapidly. In a drug resistance survey conducted in 1962, as high as 70% of previously treated TB patients were infected by tubercle bacilli resistant to one or both of these drugs. To overcome this problem, supervised treatment, which was the forerunner of directly observed treatment (DOT), was introduced on a trial basis in 1960s. Since 1970s, supervised treatment was delivered as part of the TB service. The 6-month standard four-drug short course regimen with isoniazid, rifampicin, pyrazinamide, and streptomycin (or ethambutol) was introduced as early as 1979, and this developed into what later known as Directly Observed Treatment, Short Course (DOTS). Second-line drugs were also used under the guidance drug susceptibility testing (later known as DOTS-plus) for management of drug-resistant cases. The drug resistance problem was subsequently brought under slow but progressive control.

With the implementation of effective case-finding and treatment, the notification rate of TB in Hong Kong has shown an overall downward trend in the past 50 years. The rate decreased from a peak of 697 per 100,000 in 1952 to around 80 per 100,000 in 2007. With the rapid decline in disease incidence, the tuberculin-positive rate decreased among the 6- to 9-year olds from 79.5% in 1967 to 16.9% in 2000, suggesting a very significant decline in the risk of infection. However, with the ageing of the population, up to 40% of the TB patients are aged 65 or above, likely reflecting both the high past TB burden and waning immunity/ increasing co-morbidities with age. The ageing of the TB epidemic itself and the global emergence of multidrug-resistant (MDR-) and extensively drug-resistant tuberculosis (XDR-TB) are also posing increasing difficulty in the control of the disease locally.

Besides further intensification of the existing measures, collaborative efforts are being made in the development of new diagnostic tools and drugs / regimens to meet these new challenges. New interferon-gamma release assays are being compared with the traditional tuberculin skin test in the targeted screening of latent TB infection among close TB contacts, silicosis patients, HIV-infected subjects, and other immuno-compromised individuals including those under treatment with anti-TNF agents. As these new assays are not affected by previous BCG vaccination, they may also play an adjunctive role in the diagnosis of active TB, especially among children with a low background prevalence of latent TB infection. Shorter regimens than those currently available are required to facilitate the treatment of both latent TB infection and active TB disease. Multi-centered clinical trials are underway to explore some of these new treatment-shortening regimens in different parts of the world. As in the previous milestone TB trials that helped to establish the standard 6-month short-course regimen, international collaboration will be actively pursuit in the development and evaluation of new TB treatment regimens. Compassionate use of new drugs / regimens will also be explored in the treatment of MDR- and XDR- TB. It is hoped that some of these researches will translate into effective, safe, and affordable tools suitable for large-scale application to control, and ultimately eliminate, this major killer in the history of mankind.

In July 2007, an incident of air travel involving two TB patients attracted much media publicity. The two patients were spouses, and the husband was having multidrug-resistant TB. They flew from Taiwan with transit at Hong Kong to Nanjing. The three places, viz, Taiwan, Hong Kong, and the Mainland worked together to handle the incident and trace the patients. This set a good example that the three places collaborated in carrying out public health actions in the control of infectious diseases.

In 2007, a number of scientific papers were published by the TB&CS in collaboration with other investigators from different sectors. These articles covered diversified aspects from basic science, epidemiology, clinical care to public health control. Besides contributing to the body of scientific evidence, upon which the global TB control and treatment strategies develop, they also helped to provide some of the necessary data to guide our local TB control programme.

During the year, 99,290 patients attended the TB&CS as compared to 99,509 in 2006, and the total attendance was 788,557 in comparison with 798,597 in 2006. Among the 99,290 patients, 24,625 patients were new attendants, of whom 19.3% were found free of any chest diseases. The diagnoses among other new patients included active pulmonary tuberculosis (11.7%), active tuberculosis of other forms (3.1%), inactive tuberculosis (7.8%), bronchitis not specified as acute or chronic (13.0%), acute respiratory infection (6.5%), pneumonia (5.1%), malignant neoplasm of trachea and bronchus (1.7%), bronchiectasis (1.2%), asthma (0.7%) and emphysema (0.2%). Among all the attendance, 4,038 hospital admissions were arranged.

Part 1: Tuberculosis

The number of tuberculosis notifications in 2007 was 5,463, making a notification rate of 78.9 per 100,000 population. The corresponding figures in 2006 were 5,766 and 84.1 respectively.

The number of tuberculosis deaths was 231 in 2007 as compared with 294 in 2006. The corresponding tuberculosis mortality rates were 3.3 and 4.3 per 100,000 respectively.

Tuberculosis stayed outside the top ten causes of death in 2007. Tuberculosis deaths accounted for 0.6% of the total registered deaths in Hong Kong. The average age of tuberculosis deaths was 74.2.

In 2007, 99.4% of the newborns were given direct BCG vaccination at birth. The BCG revaccination programme for primary school children was stopped since the school year starting from September 2000.

HIV testing was done among tuberculosis patients of the TB&CS on a voluntary

basis after counselling and consent. The positive rate remained low. Besides this, unlinked anonymous screening (UAS) continued to be carried out among a consecutive sample of TB patients annually.

Part 2: Pneumoconiosis

The Pneumoconiosis Compensation Ordinance was first introduced in 1980 for compensation of workers who acquired pneumoconiosis as a result of occupational exposure to silica and asbestos dusts. Compensation was paid out in the form of a lump sum according to the assessed degree of incapacity and the expected degree of further deterioration. The Ordinance was amended in 1993 to replace the lump sum payment with monthly payment. Reassessment at 2-yearly interval was also introduced at the same time to update the degree of incapacity for adjustment of the monthly compensation. Previously compensated post-1981 pneumoconiotics could apply for reassessment for compensation for additional incapacity. Further amendments were made in 1996. A flat-rate compensation for pain, suffering, and loss of amenities was payable to all post-1981 pneumoconiotics who had applied for reassessment under the revised scheme, irrespective of whether there was additional degree of incapacity over previous lump-sum compensation. The 1996 amendment also allowed the Pneumoconiosis Medical Board to take other tests into consideration in adjusting the degree of incapacity as determined by FVC test by a maximum of 5%. The ex-gratia payment scheme for pre-1981 pneumoconiotics was also reviewed. On top of a flat-rate of monthly payment, additional payments were introduced for those in need of constant care, oxygen and medical appliances.

The Pneumoconiosis Clinic continued to provide a full range of outpatient services to patients with suspected or confirmed pneumoconiosis. These services covered not only the assessment aspect, but also addressed the patients' diversified needs in terms of treatment, prevention and rehabilitation. The attendance at the clinic was 8,359 in 2007 compared with 8,866 in 2006. In 2007, 120 new cases of pneumoconiosis were registered in the TB&CS, and 69 new cases (including 2 cases of asbestos-related lung diseases) were confirmed by the Pneumoconiosis Medical Board. Up to the end of 2007, a total of 5,770 patients had been compensated.

Publications:

- Perlman DC, Leung CC, Yew WW. Treatment of tuberculosis in HIV-infected patients: we need to know more. Am J Respir Crit Care Med 2007;175:1102-3.
- 2. Yew WW, Leung CC. Update in tuberculosis 2006. Am J Respir Crit Care Med 2007;175:541-6.
- 3. Leung CC, Lam TH, Chan WM, Yew WW, Ho KS, Leung G, Law WS, Tam CM, Chan CK, Chang KC. Lower risk of tuberculosis in obesity. Arch Intern Med 2007;167:1297-304.
- 4. Vynnycky E, Borgdorff MW, Leung CC, Tam CM, Fine PE. Limited impact of tuberculosis control in Hong Kong: attributable to high risks of reactivation disease. Epidemiol Infect 2007 Aug 3:1-10.
- 5. Chang KC, Leung CC, Yew WW, Tam CM. Standard anti-tuberculosis treatment and hepatotoxicity: do dosing schedules matter? Eur Respir J 2007;29:347-51.
- 6. Leung CC, Yew WW, Law WS, Tam CM, Leung M, Chung YW, Cheung KW, Chan KW, Fu F. Smoking and tuberculosis among silicotic patients. Eur Respir J 2007;29:745-50.
- 7. Pai M, Mohan A, Dheda K, Leung CC, Yew WW, Christopher DJ, Sharma SK. Lethal interaction: the colliding epidemics of tobacco and tuberculosis. Expert Rev Anti Infect Ther. 2007;5:385-91.
- 8. Chu SF, Tam CM, Wong HS, Kam KM, Lau YL, Chiang AK. Association between RANTES functional polymorphisms and tuberculosis in Hong Kong Chinese. Genes Immun 2007;8:475-9.
- 9. Leung ECC, Leung CC, Tam CM. Delayed presentation and treatment of newly diagnosed pulmonary tuberculosis patients in Hong Kong. Hong Kong Med J 2007;13:221-7.
- 10. Chan-Yeung M, Dai DL, Cheung AH, Chan FH, Kam KM, Tam CM, Leung CC. Tuberculin skin test reaction and body mass index in old age home residents in Hong Kong. J Am Geriatr Soc 2007;55:1592-7.

NB

The year 2007 was the 60th Anniversary of the Tuberculosis and Chest Service. A brief historical review of the local TB situation is therefore included in the Preface of this Annual Report.

Part 1 TUBERCULOSIS

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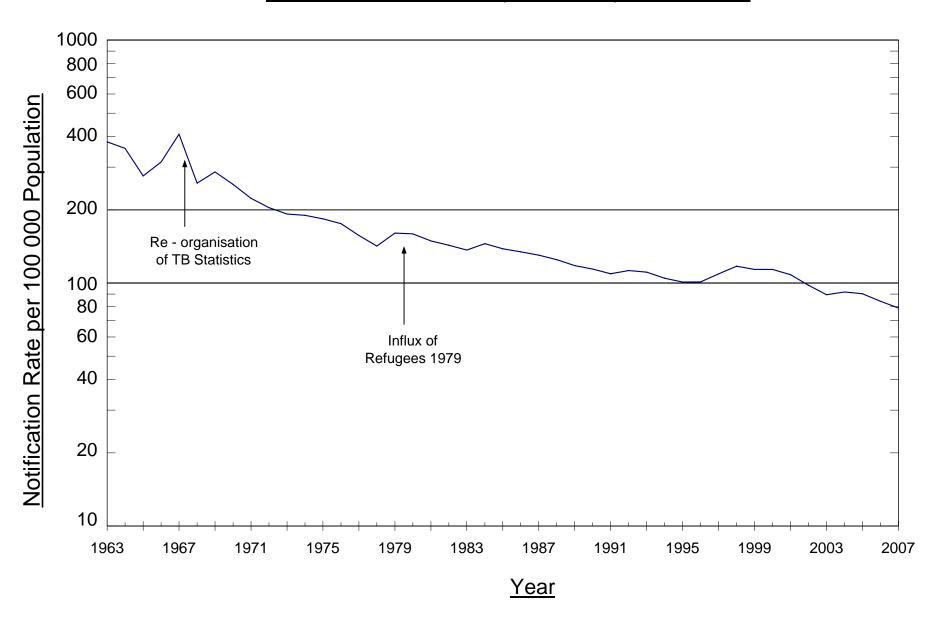
TB Notifications & Death Rate of Tuberculosis (All Forms) 1947 - 2007

| | | | | Notification | | Death | Ratio | Dootho |
|--------------|--------------|--------------|------------|----------------|-------------|--------------|-----------------|----------------|
| Year | TR | Notification | ns | Rate per | TB Deaths | Rate per | (Notifications/ | Deaths x 100% |
| 1 oui | , 5 | Troumouto | | 100,000 Pop | 12 Doamo | 100,000 Pop | Deaths) | Notifications |
| 1947 | 4855 | | | 277.4 | 1861 | 106.3 | 2.61 | 38.33 |
| 1948 | 6279 | | | 348.8 | 1961 | 108.9 | 3.20 | 31.23 |
| 1949 | 7510 | | | 404.4 | 2611 | 140.6 | 2.88 | 34.77 |
| 1950 | 9067 | | | 405.3 | 3263 | 145.9 | 2.78 | 35.99 |
| 1951 | 13886 | | | 689.0 | 4190 | 207.9 | 3.31 | 30.17 |
| 1952 | 14821 | | | 697.2 | 3573 | 168.1 | 4.15 | 24.11 |
| 1953 | 11900 | | | 530.7 | 2939 | 131.1 | 4.05 | 24.70 |
| 1954 | 12508 | | | 528.9 | 2876 | 121.6 | 4.35 | 22.99 |
| 1955 | 14148 | | | 568.1 | 2810 | 112.8 | 5.03 | 19.86 |
| 1956 | 12155 | | | 464.9 | 2629 | 100.6 | 4.62 | 21.63 |
| 1957 | 13665 | | | 499.4 | 2675 | 97.8 | 5.11 | 19.58 |
| 1958 | 13485 | | | 472.5 | 2302 | 80.7 | 5.86 | 17.07 |
| 1959 | 14302 | | | 482.0 | 2178 | 73.4 | 6.57 | 15.23 |
| 1960 | 12425 | | | 405.5 | 2085 | 68.0 | 5.96 | 16.78 |
| 1961 | 12584 | | | 397.2 | 1907 | 60.2 | 6.60 | 15.15 |
| 1962 | 14263 | | | 431.5 | 1881 | 56.9 | 7.58 | 13.19 |
| 1963 | 13031 | | | 380.9 | 1762 | 51.5 | 7.40 | 13.52 |
| 1964 | 12557 | | | 358.3 | 1441 | 41.1 | 8.71 | 11.48 |
| 1965 | 9927 | | | 275.9 | 1278 | 35.5 | 7.77 | 12.87 |
| 1966 | 11427 | | | 314.8 | 1515 | 41.7 | 7.54 | 13.26 |
| 1967 | 15253 | | | 409.7 | 1493 | 40.1 | 10.22 | 9.79 |
| 1968 | 9792 | | | 257.5 | 1483 | 39.0 | 6.60 | 15.15 |
| 1969 | 11072 | | | 286.5 | 1470 | 38.0 | 7.53 | 13.28 |
| 1970 | 10077 | | | 254.5 | 1436 | 36.3 | 7.02 | 14.25 |
| 1971 | 9028 | | | 223.2 | 1250 | 30.9 | 7.22 | 13.85 |
| 1972 | 8420 8152 | | | 204.2 192.2 | 1312 | 31.8 27.2 | 6.42 7.06 | 15.58 |
| 1973 1974 | 8320 | | | 192.2 | 1154 974 | 27.2 22.2 | 7.06 8.54 | 14.16 11.71 |
| 1975 | 8192 | | | 183.6 | 646 | 14.5 | 12.68 | 7.89 |
| 1976 | 7928 | | | 175.5 | 568 | 12.6 | 13.96 | 7.16 |
| 1977 | 7191 | | | 156.9 | 532 | 11.6 | 13.52 | 7.40 |
| 1978 | 6623 | | | 141.9 | 420 | 9.0 | 15.77 | 6.34 |
| 1979 | 7907 | (498) * | | 160.4 | 523 | 10.6 | 15.12 | 6.61 |
| 1980 | 8065 | (712) | | 159.3 | 551 | 10.9 | 14.64 | 6.83 |
| 1981 | 7729 | (254) | | 149.1 | 489 | 9.4 | 15.81 | 6.33 |
| 1982 | 7527 | (112) | | 143.0 | 454 | 8.6 | 16.58 | 6.03 |
| 1983 | 7301 | (73) | | 136.6 | 446 | 8.3 | 16.37 | 6.11 |
| 1984 | 7843 | (69) | | 145.3 | 420 | 7.8 | 18.67 | 5.36 |
| 1985 | 7545 | (59) | 580 # | 138.3 | 409 | 7.5 | 18.45 | 5.42 |
| 1986 | 7432 | (46) | 544 | 134.5 | 407 | 7.4 | 18.26 | 5.48 |
| 1987 | 7269 | (41) | 495 | 130.3 | 405 | 7.3 | 17.95 | 5.57 |
| 1988 | 7021 | (121) | 433 | 124.8 | 388 | 6.9 | 18.10 | 5.53 |
| 1989 | 6704 | (226) | 387 | 117.9 | 403 | 7.1 | 16.64 | 6.01 |
| 1990 | 6510 | (288) | 341 | 114.1 | 382 | 6.7 | 17.04 | 5.87 |
| 1991 | 6283 | (281) | 293 | 109.2 | 409 | 7.1 | 15.36 | 6.51 |
| 1992 | 6534 | (309) | 264 | 112.6 | 410 | 7.1 | 15.94 | 6.27 |
| 1993 | 6537 | (264) | 89 | 110.8 | 396 | 6.7 | 16.51 | 6.06 |
| 1994 | 6319 | (230) | 87 | 104.7 | 409 | 6.8 | 15.45 | 6.47 |
| 1995 | 6212 | (175) | 102 | 100.9 | 418 | 6.8 | 14.86 | 6.73 |
| 1996 | 6501 | (88) | 162 | 101.0 | 292 | 4.5 | 22.26 | 4.49 |
| 1997 | 7072 | (34) | 156 160 | 109.0 | 252 | 3.9 | 28.06 | 3.56 |
| 1998 | 7673 7512 | (7) | 169 166 | 117.3 | 270 312 | 4.1 | 28.42 | 3.52 |
| 1999 2000 | 7512 7578 | (5) (7) | 166 152 | 113.7 113.7 | 312 299 | 4.7 4.5 | 24.08 25.34 | 4.15 3.95 |
| 2000 | 7376 7262 | (7) | 192 | 108.2 | 311 | 4.6 | 23.35 | 4.28 |
| 2001 | 6602 | (0) | 186 | 97.9 | 267 | 4.0 | 24.73 | 4.26 |
| 2002 | 6024 | (0) | 177 | 89.5 | 275 | 4.1 | 21.91 | 4.57 |
| 2003 | 6226 | (0) | 110 | 91.8 | 286 | 4.2 | 21.77 | 4.59 |
| 2005 | 6160 | (0) | 77 | 90.4 | 271 | 4.0 | 22.73 | 4.40 |
| 2006 | 5766 | (0) | 58 | 84.1 | 294 | 4.3 | 19.61 | 5.10 |
| 2007 | 5463 | (0) | 56 | 78.9 | 231 | 3.3 | 23.65 | 4.23 |

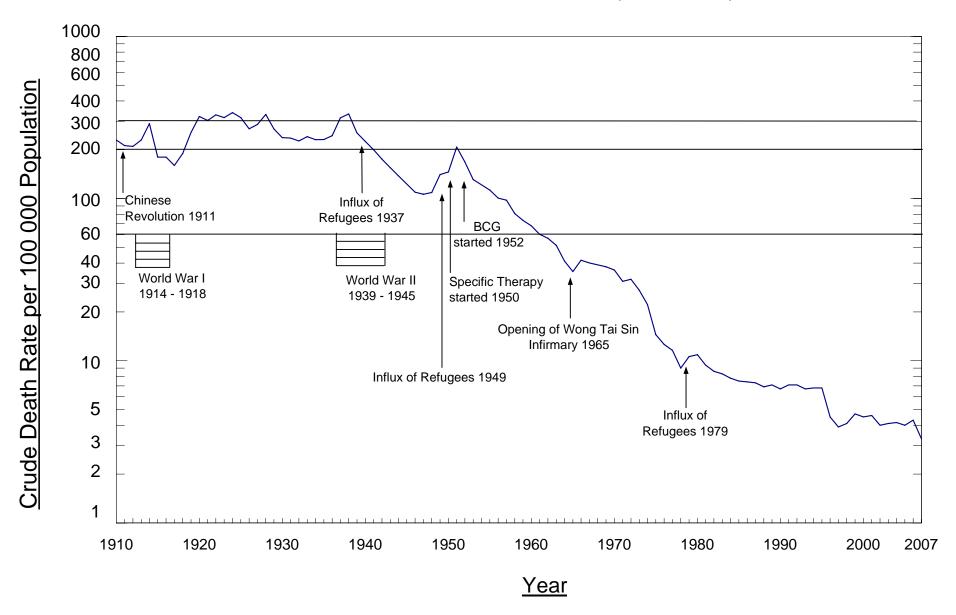
^{*} Figures in brackets denote the number of Vietnamese refugees included.
Figures in this column denote the number of Chinese immigrants staying in Hong Kong for less than 7 years.

APPENDIX 2

TB Notification Rate (All Forms) 1963-2007



APPENDIX 3
Crude Death Rate due to Tuberculosis (All Forms) 1910-2007



APPENDIX 4 (a)

Tuberculosis Notifications (All Forms) & Rate by Age & Sex 2007

| A O | Tube | rculosis Notific | ations | | Tuberculosis Notifications Rate | | | | |
|-----------|------|--------------------|--------|--------|---|--------|--|--|--|
| Age Group | Male | (All Forms) Female | Total | (per 1 | (per 100,000 population) Male Female Total | | | | |
| | | | | Iviale | remale | Total | | | |
| Under 1 | 3 | 0 | 3 | | | | | | |
| 1 | 0 | 0 | 0 | 5.39 | 0.00 | 2.80 | | | |
| 2 | 2 | 0 | 2 | 3.39 | 0.00 | 2.00 | | | |
| 3 | 1 | 0 | 1 | | | | | | |
| 4 | 0 | 0 | 0 | | | | | | |
| 5-9 | 2 | 4 | 6 | 1.31 | 2.81 | 2.03 | | | |
| 10-14 | 19 | 17 | 36 | 9.02 | 8.47 | 8.75 | | | |
| 15-19 | 81 | 75 | 156 | 35.75 | 34.77 | 35.27 | | | |
| 20-24 | 117 | 136 | 253 | 52.82 | 55.46 | 54.21 | | | |
| 25-29 | 128 | 191 | 319 | 56.46 | 66.27 | 61.95 | | | |
| 30-34 | 143 | 178 | 321 | 60.31 | 56.67 | 58.24 | | | |
| 35-39 | 132 | 169 | 301 | 54.16 | 50.87 | 52.27 | | | |
| 40-44 | 188 | 136 | 324 | 64.03 | 37.88 | 49.65 | | | |
| 45-49 | 244 | 132 | 376 | 76.06 | 39.09 | 57.10 | | | |
| 50-54 | 298 | 123 | 421 | 107.62 | 43.79 | 75.48 | | | |
| 55-59 | 284 | 100 | 384 | 127.87 | 45.64 | 87.04 | | | |
| 60-64 | 263 | 73 | 336 | 186.92 | 55.51 | 123.44 | | | |
| 65-69 | 285 | 71 | 356 | 233.42 | 63.22 | 151.88 | | | |
| 70-74 | 334 | 127 | 461 | 289.68 | 106.19 | 196.25 | | | |
| 75-79 | 417 | 125 | 542 | 480.97 | 127.55 | 293.45 | | | |
| 80-84 | 281 | 122 | 403 | 587.87 | 170.15 | 337.24 | | | |
| 85 & over | 273 | 189 | 462 | 889.25 | 281.25 | 471.91 | | | |
| Total | 3495 | 1968 | 5463 | 106.32 | 54.09 | 78.88 | | | |

Appendix 4 (b)

Pulmonary TB Notifications by Age & Sex 2007**

Bacteriologically * Smear Pulmonary TB Age Group Positive Pulmonary TB Positive Pulmonary TB Т F F Μ F M Τ M Τ Under 1 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74

75-79

80-84

85 & over

Total

^{**} Pulmonary TB with or without extrapulmonary TB

^{*} Either smear or culture positive

Appendix 4(c)

Rate of Pulmonary TB Notifications by Age & Sex 2007**

(Rate per 100,000 Population)

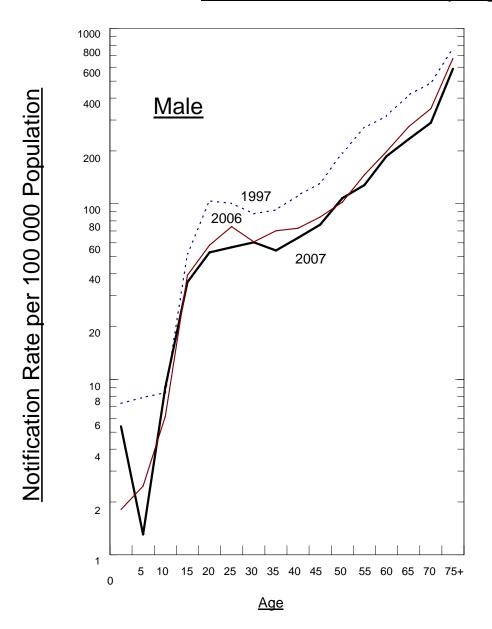
| Age Group | Pι | ılmonary ⁻ | ТВ | | teriologica e Pulmon | • | Smear Positive Pulmonary TB | | | |
|-----------|-------|-----------------------|-------|-------|-------------------------|-------|--------------------------------|------|-------|--|
| | М | F | Т | М | F | Т | М | F | Т | |
| 0-4 | 2.7 | 0.0 | 1.4 | 1.8 | 0.0 | 0.9 | 0.9 | 0.0 | 0.5 | |
| 5-9 | 1.3 | 1.4 | 1.4 | 0.7 | 1.4 | 1.0 | 0.0 | 0.0 | 0.0 | |
| 10-14 | 6.6 | 5.0 | 5.8 | 3.3 | 1.5 | 2.4 | 1.9 | 0.5 | 1.2 | |
| 15-19 | 30.5 | 29.2 | 29.8 | 22.1 | 23.2 | 22.6 | 10.2 | 10.7 | 10.4 | |
| 20-24 | 48.3 | 45.7 | 46.9 | 37.0 | 31.0 | 33.9 | 18.5 | 15.5 | 16.9 | |
| 25-29 | 50.3 | 49.6 | 49.9 | 34.0 | 34.4 | 34.2 | 17.6 | 17.7 | 17.7 | |
| 30-34 | 55.3 | 43.6 | 48.6 | 38.4 | 29.6 | 33.4 | 19.8 | 14.3 | 16.7 | |
| 35-39 | 45.1 | 37.0 | 40.5 | 32.0 | 22.6 | 26.6 | 16.8 | 11.1 | 13.5 | |
| 40-44 | 58.2 | 28.4 | 41.8 | 44.6 | 18.1 | 30.0 | 26.2 | 10.3 | 17.5 | |
| 45-49 | 68.6 | 28.1 | 47.8 | 51.1 | 18.7 | 34.5 | 27.7 | 10.4 | 18.8 | |
| 50-54 | 98.6 | 28.1 | 63.1 | 73.7 | 17.8 | 45.5 | 39.7 | 10.0 | 24.7 | |
| 55-59 | 115.7 | 31.5 | 73.9 | 87.8 | 21.5 | 54.9 | 46.4 | 11.9 | 29.2 | |
| 60-64 | 172.7 | 42.6 | 109.8 | 135.0 | 33.5 | 86.0 | 64.7 | 12.2 | 39.3 | |
| 65-69 | 217.0 | 50.8 | 137.4 | 179.4 | 37.4 | 111.3 | 88.5 | 20.5 | 55.9 | |
| 70-74 | 269.7 | 79.4 | 172.8 | 218.6 | 61.0 | 138.4 | 90.2 | 20.9 | 54.9 | |
| 75-79 | 455.6 | 101.0 | 267.5 | 372.5 | 75.5 | 214.9 | 155.7 | 26.5 | 87.2 | |
| 80-84 | 564.9 | 157.6 | 320.5 | 495.8 | 136.7 | 280.3 | 175.7 | 51.6 | 101.3 | |
| 85 & over | 853.4 | 247.0 | 437.2 | 732.9 | 203.9 | 369.8 | 208.5 | 59.5 | 106.2 | |
| Total | 97.9 | 41.8 | 68.4 | 76.9 | 30.0 | 52.3 | 35.3 | 13.4 | 23.8 | |

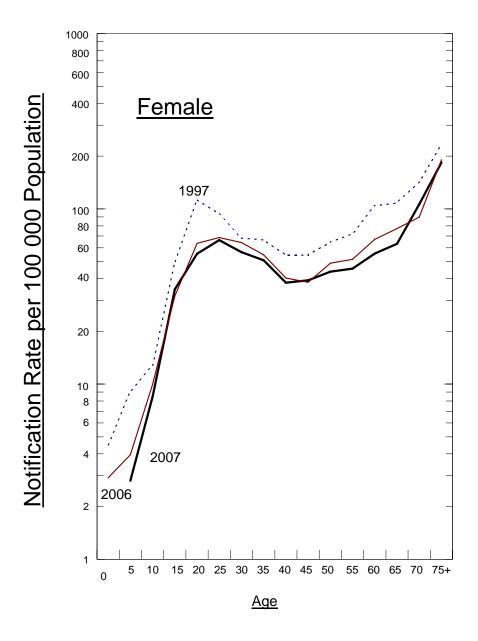
^{**} Pulmonary TB with or without extrapulmonary TB

^{*} Either smear or culture positive

APPENDIX 5

TB Notification Rate by Age & Sex 1997, 2006 & 2007





Appendix 6

Notifications of Tuberculosis by Type by Age & Sex 2007

| Age Group | Pulm | Pulmonary only # | | | Miliary | | | ninges/ | CNS | Bon | es & J | oints | | Other | ·s |
|-----------|------|------------------|------|----|---------|--------|----|---------|--------|-----|--------|--------|-----|-------|----------|
| J 1 | М | F | Т | М | F | Т | М | F | Т | М | F | Т | М | F | Т |
| Under 1 | 2 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| 2 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5-9 | 2 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 2 |
| 10-14 | 14 | 8 | 22 | - | - | - | - | 2 | 2 | - | - | - | 5 | 7 | 12 |
| 15-19 | 66 | 60 | 126 | 1 | - | 1 | 1 | 1 | 2 | 1 | - | 1 | 12 | 14 | 26 |
| 20-24 | 102 | 103 | 205 | 1 | - | 1 | - | 3 | 3 | - | 1 | 1 | 14 | 29 | 43 |
| 25-29 | 104 | 136 | 240 | 3 | 1 | 4 | 1 | 1 | 2 | - | - | - | 20 | 53 | 73 |
| 30-34 | 124 | 121 | 245 | 1 | 2 | 3 | - | 1 | 1 | - | 3 | 3 | 18 | 51 | 69 |
| 35-39 | 102 | 114 | 216 | 2 | 2 | 4 | 1 | 1 | 2 | 2 | 2 | 4 | 25 | 50 | 75 |
| 40-44 | 165 | 97 | 262 | 1 | 2 | 3 | - | 1 | 1 | 1 | - | 1 | 21 | 36 | 57 |
| 45-49 | 213 | 88 | 301 | 1 | - | 1 | 2 | 1 | 3 | 3 | 2 | 5 | 25 | 41 | 66 |
| 50-54 | 264 | 77 | 341 | 4 | 1 | 5 | 2 | 1 | 3 | 1 | 3 | 4 | 27 | 41 | 68 |
| 55-59 | 253 | 68 | 321 | 1 | - | 1 | 2 | 5 | 7 | 6 | 2 | 8 | 22 | 25 | 47 |
| 60-64 | 230 | 54 | 284 | 1 | - | 1 | 5 | 2 | 7 | 3 | - | 3 | 24 | 17 | 41 |
| 65-69 | 258 | 57 | 315 | 1 | - | 1 | 2 | - | 2 | 2 | 2 | 4 | 22 | 12 | 34 |
| 70-74 | 301 | 87 | 388 | 1 | 2 | 3 | 5 | - | 5 | 4 | 6 | 10 | 23 | 32 | 55 |
| 75-79 | 377 | 94 | 471 | 1 | 2 | 3 | - | 2 | 2 | 1 | 9 | 10 | 38 | 18 | 56 |
| 80-84 | 262 | 104 | 366 | - | 4 | 4 | - | - | - | 1 | 4 | 5 | 18 | 10 | 28 |
| 85 & over | 253 | 158 | 411 | - | 1 | 1 | 1 | - | 1 | 1 | 5 | 6 | 18 | 25 | 43 |
| Total | 3093 | 1428 | 4521 | 19 | 17 | 36 (a) | 22 | 21 | 43 (b) | 26 | 39 | 65 (c) | 335 | 463 | 798 (d)* |

| * Including | TB lymph node | | | |
|-------------|--|-----|--|--|
| | TB urogenital system | 55 | | |
| | TB peritonitis, intestines, mesenteric, appendicitis | 67 | | |
| | TB pleural effusion | 161 | | |
| | TB laryngitis | 9 | | |
| | TB skin | 49 | | |
| | TB other sites | 30 | | |
| | Unspecified | 0 | | |

(Note: some cases have more than one site of extrapulmonary TB)

- (a) All miliary TB cases has coexisting pulmonary TB; also include 10 cases with coexisting TB of other extrapulmonary sites (among which 2 are meninges/CNS and 2 are bones & joints).
- (b) Including 5 cases with coexisting pulmonary TB; also include 1 case with coexisting TB of other extrapulmonary sites.
- (c) Including 10 cases with coexisting pulmonary TB.
- (d) Including 166 cases with coexisting pulmonary TB.

[#] Pulmonary TB only, without extrapulmonary site involvement

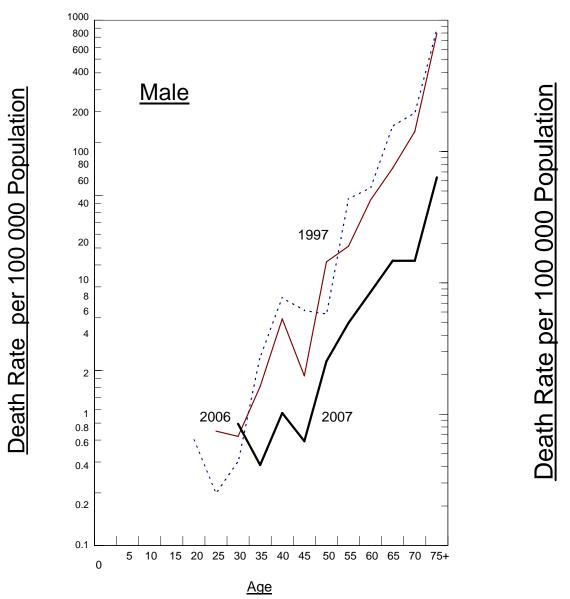
APPENDIX 7

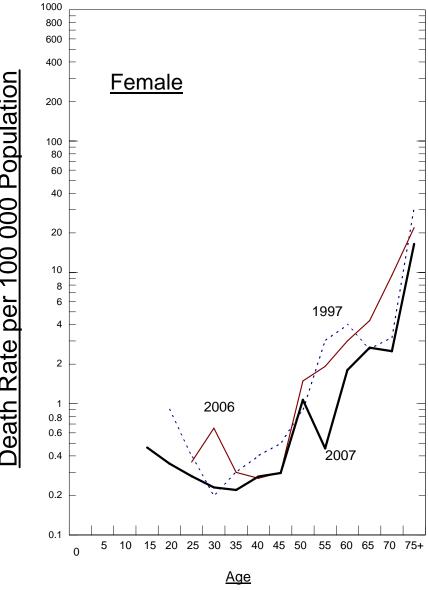
TB Death (All Forms) & Death Rate by Age & Sex 2007

| | Tul | berculosis De | eath | | Death Rate | | | | |
|-----------|------|--------------------|-------|--------|---|-------|--|--|--|
| Age Group | Male | (All Forms) Female | Total | 1 | (per 100,000 population) Male Female Total | | | | |
| Under 1 | 0 | 0 | 0 | a.c | | 70141 | | | |
| 1 | 0 | 0 | 0 | 1 | | | | | |
| 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| 3 | 0 | 0 | 0 | 1 | | | | | |
| 4 | 0 | 0 | 0 | 1 | | | | | |
| 5-9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| 10-14 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| 15-19 | 0 | 1 | 1 | 0.00 | 0.46 | 0.23 | | | |
| 20-24 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| 25-29 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| 30-34 | 2 | 0 | 2 | 0.84 | 0.00 | 0.36 | | | |
| 35-39 | 1 | 0 | 1 | 0.41 | 0.00 | 0.17 | | | |
| 40-44 | 3 | 1 | 4 | 1.02 | 0.28 | 0.61 | | | |
| 45-49 | 2 | 1 | 3 | 0.62 | 0.30 | 0.46 | | | |
| 50-54 | 7 | 3 | 10 | 2.53 | 1.07 | 1.79 | | | |
| 55-59 | 11 | 1 | 12 | 4.95 | 0.46 | 2.72 | | | |
| 60-64 | 12 | 0 | 12 | 8.53 | 0.00 | 4.41 | | | |
| 65-69 | 18 | 3 | 21 | 14.74 | 2.67 | 8.96 | | | |
| 70-74 | 17 | 3 | 20 | 14.74 | 2.51 | 8.51 | | | |
| 75-79 | 32 | 9 | 41 | 36.91 | 9.18 | 22.20 | | | |
| 80-84 | 29 | 12 | 41 | 60.67 | 16.74 | 34.31 | | | |
| 85 & over | 44 | 18 | 62 | 143.32 | 26.79 | 63.33 | | | |
| Unknown | 1 | 0 | 1 | | | | | | |
| Total | 179 | 52 | 231 | 5.45 | 1.43 | 3.34 | | | |

APPENDIX 8

TB Mortality Rate by Age & Sex 1997, 2006 & 2007





Appendix 9

TB Deaths by Type by Age & Sex 2007

| Age Group | Pulmo | nary | only # | | Miliary | / | M | ening | es | Bone | Bones & Joints | | | Other | 'S |
|-----------|-------|------|--------|----|---------|----|---|-------|----|------|----------------|---|----|-------|------|
| Age Group | М | F | Т | М | F | Т | М | F | Т | М | F | Т | М | F | Т |
| Under 1 | _ | _ | - | - | _ | - | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | _ | _ |
| 2 | _ | - | - | - | - | - | - | - | - | - | - | - | - | _ | - |
| 3 | _ | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5-9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10-14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 15-19 | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| 20-24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 25-29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 30-34 | 1 | - | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - |
| 35-39 | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - |
| 40-44 | 3 | 1 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| 45-49 | 1 | 1 | 2 | 1 | - | 1 | - | - | - | - | - | - | - | - | - |
| 50-54 | 6 | 2 | 8 | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| 55-59 | 7 | 1 | 8 | 2 | - | 2 | 1 | - | 1 | - | - | - | 1 | - | 1 |
| 60-64 | 10 | - | 10 | 1 | - | 1 | - | - | - | - | - | - | 1 | - | 1 |
| 65-69 | 14 | 1 | 15 | 2 | 2 | 4 | - | - | - | - | - | - | 2 | - | 2 |
| 70-74 | 14 | 2 | 16 | 1 | 1 | 2 | - | - | - | - | - | - | 2 | - | 2 |
| 75-79 | 30 | 6 | 36 | 1 | - | 1 | 1 | - | 1 | - | - | - | - | 3 | 3 |
| 80-84 | 26 | 11 | 37 | 1 | - | 1 | - | - | - | - | - | - | 2 | 1 | 3 |
| 85 & over | 40 | 16 | 56 | - | - | - | - | - | - | 1 | - | 1 | 3 | 2 | 5 |
| Unknown | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | 153 | 42 | 195 | 10 | 3 | 13 | 3 | - | 3 | 1 | - | 1 | 12 | 7 | 19 * |

| * | Breakdown of Deaths from other forms of TB:- | Number |
|---|--|--------|
| | Tuberculous periphral lymphadenopathy | 1 |
| | Tuberculosis of intestines, peritoneum & mesenteric glands | 5 |
| | Tuberculous of skin and subcutaneous tissue | 1 |
| | Tuberculosis of other organ | 2 |
| | Late effects of Tuberculosis | 10 |
| | Total | 19 |

[#] Pulmonary TB only, without extrapulmonary site involvement.

Tuberculosis Mortality 1950 - 2007

| | | | Infant Mort. Rate | % of TB Deaths | |
|--------------|---------------|---------------|-------------------|----------------|----------------|
| | % of TB Death | % of TB Death | from TB per 1,000 | among Total | Average Age of |
| Year | below 5 years | below 1 year | Registered | Registered | TB Death |
| | , | ĺ | Live Births | Deaths | |
| 1950 | 38.34 | 9.81 | 5.28 | 17.7 | 24.0 |
| 1951 | 34.22 | 7.73 | 4.73 | 20.0 | 25.0 |
| 1952 | 34.28 | 7.05 | 3.50 | 18.4 | 25.0 |
| 1953 | 36.27 | 9.02 | 3.51 | 16.1 | 26.0 |
| 1954 | 31.26 | 8.17 | 2.82 | 14.9 | 29.0 |
| 1955 | 28.51 | 8.61 | 2.67 | 14.7 | 31.0 |
| 1956 | 25.22 | 7.34 | 1.99 | 13.6 | 32.0 |
| 1957 | 21.20 | 5.76 | 1.57 | 13.8 | 36.0 |
| 1958 | 19.64 | 7.04 | 1.52 | 11.2 | 36.5 |
| 1959 | 18.92 | 5.56 | 1.16 | 10.8 | 37.0 |
| 1960 | 10.55 | 2.21 | 0.42 | 10.9 | 43.0 |
| 1961 | 11.48 | 2.62 | 0.46 | 10.2 | 43.0 |
| 1962 1963 | 5.74 5.51 | 1.44 1.08 | 0.24 0.16 | 9.3 8.9 | 46.0 47.0 |
| 1963 | 4.09 | 0.90 | 0.10 | 8.0 | 48.0 |
| 1964 | 3.36 | 0.90 | 0.12 | 7.3 | 49.0 |
| 1966 | 2.71 | 0.70 | 0.09 | 8.1 | 53.0 |
| 1967 | 2.01 | 0.73 | 0.06 | 7.6 | 54.5 |
| 1968 | 1.15 | 0.20 | 0.04 | 7.7 | 56.5 |
| 1969 | 0.95 | 0.27 | 0.05 | 7.8 | 56.0 |
| 1970 | 0.63 | 0.00 | 0.00 | 6.9 | 57.5 |
| 1971 | 0.64 | 0.08 | 0.01 | 6.2 | 57.5 |
| 1972 | 0.30 | 0.15 | 0.02 | 6.2 | 59.0 |
| 1973 | 0.35 | 0.09 | 0.01 | 5.4 | 58.0 |
| 1974 | 0.82 | 0.21 | 0.02 | 4.4 | 58.5 |
| 1975 | 1.39 | 0.31 | 0.03 | 3.0 | 58.5 |
| 1976 | 0.70 | 0.00 | 0.00 | 2.4 | 59.5 |
| 1977 | 0.38 | 0.00 | 0.00 | 2.3 | 61.0 |
| 1978 1979 | 0.48 0.96 | 0.24 0.19 | 0.01 0.01 | 1.8 2.0 | 61.0 61.0 |
| 1980 | 0.90 | 0.19 | 0.01 | 2.0 | 62.0 |
| 1981 | 0.41 | 0.00 | 0.00 | 2.0 | 63.0 |
| 1982 | 0.22 | 0.00 | 0.00 | 1.8 | 63.0 |
| 1983 | 0.45 | 0.00 | 0.00 | 1.7 | 63.0 |
| 1984 | 0.24 | 0.24 | 0.01 | 1.6 | 64.5 |
| 1985 | 0.00 | 0.00 | 0.00 | 1.6 | 65.5 |
| 1986 | 0.00 | 0.00 | 0.00 | 1.6 | 68.0 |
| 1987 | 0.00 | 0.00 | 0.00 | 1.5 | 68.5 |
| 1988 | 0.52 | 0.26 | 0.01 | 1.4 | 69.0 |
| 1989 | 0.25 | 0.25 | 0.01 | 1.4 | 69.0 |
| 1990 1991 | 0.52 0.00 | 0.52 | 0.03 0.00 | 1.3 1.4 | 69.0 69.0 |
| 1991 | 0.00 | 0.00 0.00 | 0.00 | 1.4 | 68.0 |
| 1993 | 0.00 | 0.25 | 0.01 | 1.3 | 69.0 |
| 1994 | 0.00 | 0.00 | 0.00 | 1.4 | 71.0 |
| 1995 | 0.00 | 0.00 | 0.00 | 1.4 | 71.1 |
| 1996 | 0.00 | 0.00 | 0.00 | 0.9 | 70.6 |
| 1997 | 0.00 | 0.00 | 0.00 | 0.8 | 72.1 |
| 1998 | 0.37 | 0.00 | 0.00 | 0.8 | 72.6 |
| 1999 | 0.00 | 0.00 | 0.00 | 0.9 | 72.9 |
| 2000 | 0.00 | 0.00 | 0.00 | 0.9 | 73.4 |
| 2001 | 0.00 | 0.00 | 0.00 | 0.9 | 74.3 |
| 2002 | 0.00 | 0.00 | 0.00 | 0.8 | 74.0 |
| 2003 | 0.36 | 0.00 | 0.00 | 0.8 | 72.3 |
| 2004 | 0.00 | 0.00 | 0.00 | 0.8 | 73.4 |
| 2005 2006 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.7 0.8 | 74.3 73.5 |
| 2006 | 0.00 | 0.00 | 0.00 | 0.6 | 74.2 |
| 2001 | 0.00 | 0.00 | 0.00 | 0.0 | 14.4 |

Top Ten Causes of Death 2007

| Rank | Causes of Death | Detailed List No. | | 2007 | |
|--------|--|------------------------------|-------|--------|-----------|
| INAIIN | Causes of Dealif | ICD 10th Revision | Male | Female | Total |
| | All Causes | | 22622 | 17335 | 39963 (6) |
| 1 | Malignant neoplasms | C00-C97 | 7600 | 4716 | 12316 |
| 2 | Diseases of heart | 100-109, 111 113, 120-151 | 3255 | 3117 | 6372 |
| 3 | Cerebrovascular diseases | 160-169 | 1779 | 1734 | 3513 |
| 4 | Pneumonia | J12-J18 | 2723 | 2255 | 4978 |
| 5 | Chronic lower respiratory diseases * | J40-J47 | 1521 | 575 | 2096 |
| 6 | External causes of morbidity and mortality # | V01-Y89 | 1223 | 631 | 1854 |
| 7 | Nephritis, nephrotic syndrome and nephrosis | N00-N07, N17-N19, N25-N27 | 656 | 691 | 1347 |
| 8 | Diabetes mellitus | E10-E14 | 221 | 285 | 506 |
| 9 | Septicaemia | A40-A41 | 381 | 356 | 737 |
| 10 | Chronic liver disease and cirrhosis | K70,K73-K74 | 263 | 138 | 401 |
| | Tuberculosis (including late effects of tuberculos | sis) | 179 | 52 | 231 |
| | All other causes | Residues of all causes | 2821 | 2785 | 5612 (6) |

Notes: 1. Figures in brackets denote number of deaths of unknown sex included.

- 2. Classification of diseases and causes of death is based on the International Statistical Classification of Diseases and Related Health Problems (ICD) 10th Revision from 2001 onwards. The disease groups for the purpose of ranking causes of death have also been redefined based on the ICD 10th Revision, and new disease groups have been added. Figures for 2001 may not be comparable with figures for previous years which were compiled based on the ICD 9th Revision.
- * Chronic lower respiratory diseases has been included as a disease group for the purpose of ranking the causes of death since 2001.
- # According to the ICD 10th Revision, when the morbid condition is classifiable under Chapter XIX as "injury, poisoning and certain other consequences of external causes", the codes under Chapter XX for "external causes of morbidity and mortality" should be used as the primary cause.

APPENDIX 12 (a)

Origin of Tuberculosis Notifications 1997 - 2007

| Origin | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| East Kowloon Chest Clinic | 175 | 225 | 118 | 192 | 173 | 144 | 123 | 121 | 132 | 86 | 121 |
| Kowloon Chest Clinic | 667 | 529 | 608 | 477 | 413 | 420 | 432 | 330 | 287 | 231 | 220 |
| Sai Ying Pun Chest Clinic (a) | 180 | 216 | 198 | 196 | 194 | 142 | 133 | 148 | 112 | 92 | 108 |
| Shaukiwan Chest Clinic | 181 | 199 | 158 | 169 | 158 | 148 | 122 | 138 | 111 | 104 | 128 |
| Shaukiwan Pneumoconiosis | 31 | 50 | 29 | 25 | 23 | 27 | 12 | 29 | 10 | 15 | 13 |
| Shek Kip Mei Chest Clinic | 302 | 282 | 266 | 232 | 208 | 180 | 162 | 157 | 140 | 96 | 111 |
| South Kwai Chung Chest Clinic | 547 | 531 | 439 | 342 | 339 | 279 | 300 | 261 | 282 | 224 | 187 |
| Tai Po Chest Clinic | | 98 | 92 | 88 | 84 | 96 | 111 | 112 | 101 | 92 | 79 |
| Wanchai Chest Clinic | 502 | 461 | 365 | 375 | 384 | 279 | 264 | 223 | 214 | 191 | 169 |
| Yan Oi Chest Clinic | 428 | 419 | 440 | 425 | 396 | 355 | 320 | 290 | 263 | 238 | 165 |
| Yaumatei Chest Clinic | 280 | 389 | 344 | 339 | 373 | 271 | 233 | 203 | 249 | 204 | 151 |
| Yuen Chau Kok Chest Clinic | | 420 | 395 | 308 | 288 | 223 | 226 | 181 | 148 | 136 | 122 |
| Yung Fung Shee Chest Clinic | 240 | 285 | 331 | 222 | 213 | 218 | 197 | 178 | 174 | 148 | 120 |
| NT Chest Clinic (b) | 561 | | | | | | | | | | |
| Castle Peak Hospital (Chest Clinic) |) | | | | | | | 5 | 3 | 3 | 4 |
| Cheung Chau Chest Clinic | | | | | | | 2 | 2 | 3 | 1 | 1 |
| Sai Kung Chest Clinic | | 13 | 8 | 4 | 4 | 11 | 7 | 7 | 4 | 9 | 5 |
| Sheung Shui Chest Clinic | | 102 | 97 | 103 | 81 | 96 | 59 | 54 | 64 | 61 | 53 |
| Tung Chung Chest Clinic | | 6 | 13 | 26 | 24 | 35 | 22 | 16 | 11 | 15 | 12 |
| Yuen Long Chest Clinic | | 94 | 94 | 111 | 96 | 103 | 75 | 80 | 93 | 69 | 64 |
| Sub-total | 4094 | 4319 | 3995 | 3634 | 3451 | 3027 | 2800 | 2535 | 2401 | 2015 | 1833 |
| | | | | | | | | | | | |
| Grantham Hospital | 360 | 316 | 296 | 358 | 259 | 249 | 252 | 257 | 165 | 176 | 215 |
| Haven of Hope Hospital | 72 | 117 | 105 | 141 | 116 | 147 | 119 | 137 | 127 | 124 | 124 |
| Kowloon Hospital | 384 | 339 | 426 | 443 | 322 | 237 | 220 | 205 | 113 | 142 | 108 |
| Ruttonjee Hospital | 333 | 275 | 324 | 326 | 305 | 236 | 223 | 263 | 256 | 264 | 218 |
| Wong Tai Sin Hospital | 442 | 458 | 431 | 352 | 330 | 263 | 166 | 189 | 184 | 140 | 90 |
| Other Govt. Institutions (c) | 5 | 7 | 42 | 43 | 113 | 107 | 84 | 87 | 84 | 60 | 66 |
| Other H.A. Hospitals | 740 | 1244 | 1682 | 2081 | 2176 | 2133 | 1937 | 2301 | 2543 | 2538 | 2530 |
| · | 7 10 | | 1002 | 2001 | 2110 | 2.00 | 1001 | 2001 | 2010 | 2000 | 2000 |
| Private Practitioners | 413 | 343 | 157 | 121 | 125 | 130 | 159 | 136 | 156 | 164 | 90 |
| Private Hospitals | 229 | 255 | 54 | 79 | 65 | 73 | 64 | 116 | 131 | 143 | 189 |
| | | | | | | | | | | | |
| Total | 7072 | 7673 | 7512 | 7578 | 7262 | 6602 | 6024 | 6226 | 6160 | 5766 | 5463 |
| % of cases from Chest Clinics | 57.9 | 56.3 | 53.2 | 48.0 | 47.5 | 45.8 | 46.5 | 40.7 | 39.0 | 34.9 | 33.6 |
| among the total | | | | | | | | | | | |
| % from Chest Hospitals (d) | 22.5 | 19.6 | 21.1 | 21.4 | 18.3 | 17.1 | 16.3 | 16.9 | 13.7 | 14.7 | 13.8 |
| % from Other Public Hospitals | 10.5 | 16.3 | 22.9 | 28.0 | 31.5 | 33.9 | 33.5 | 38.4 | 42.6 | 45.1 | 47.5 |
| % from Private Sector | 9.1 | 7.8 | 2.8 | 2.6 | 2.6 | 3.1 | 3.7 | 4.0 | 4.7 | 5.3 | 5.1 |

Notes: (a) Including notifications from Cheung Chau Chest Clinic (1997-2002)

- (b) Including Yuen Chau Kok Chest Clinic.
- (c) Sources are from Public Mortuaries, Prison Hospitals, & Army Hospitals.
- (d) Chest Hospitals include Kowloon Hospital, Wong Tai Sin Hospital, Ruttonjee Hospital, Grantham Hospital and Haven of Hope Hospital.

Appendix 12 (b)

Breakdown of Origin of TB Notifications for "Other H.A. Hospitals" 2007

| Name of Hospital | No. of TB Notification |
|--|------------------------|
| Alice Ho Miu Ling Nethersole Hospital | 89 |
| Caritas Medical Centre | 158 |
| Hong Kong Buddhist Hospital | 2 |
| Kwong Wah Hospital | 221 |
| North District Hospital | 167 |
| Our Lady of Maryknoll Hospital | 23 |
| Pamela Youde Nethersole Eastern Hospital | 151 |
| Pok Oi Hospital | 18 |
| Prince of Wales Hospital | 215 |
| Princess Margaret Hospital | 192 |
| Queen Elizabeth Hospital | 337 |
| Queen Mary Hospital | 121 |
| Shatin Hospital | 13 |
| Tai Po Hospital | 11 |
| Tseung Kwan O Hospital | 95 |
| Tuen Mun Hospital | 286 |
| Tung Wah Eastern Hospital | 6 |
| Tung Wah Hospital | 13 |
| United Christian Hospital | 265 |
| Wong Chuk Hang Hospital | 1 |
| Yan Chai Hospital | 146 |
| Total | 2530 |

Appendix 13

Tuberculosis Notifications & Notification Rates <u>by District Council District 2007</u>

| District Council District | Notification | Notification Rate (per 100,000 pop.) |
|---------------------------|--------------|--------------------------------------|
| Hong Kong Island | 963 | 74.8 |
| Central & Western | 174 | 68.1 |
| Wanchai | 434 | 275.6 |
| Eastern | 239 | 40.3 |
| Southern | 116 | 41.1 |
| <u>Kowloon</u> | 1959 | 96.3 |
| Kowloon City | 325 | 89.0 |
| Kwun Tong | 544 | 93.2 |
| Sham Shui Po | 371 | 99.5 |
| Wong Tai Sin | 425 | 99.9 |
| Yau Tsim Mong | 294 | 102.1 |
| NT (East) | 1156 | 66.0 |
| Islands | 83 | 58.2 |
| Northern | 242 | 83.0 |
| Sai Kung/Tseung Kwan O | 243 | 59.2 |
| Shatin | 400 | 65.6 |
| Tai Po | 188 | 63.5 |
| NT (West) | 1350 | 73.0 |
| Kwai Tsing | 440 | 85.2 |
| Tsuen Wan | 175 | 59.2 |
| Tuen Mun | 350 | 70.1 |
| Yuen Long | 385 | 71.5 |
| Marine | 0 | |
| Unknown | 11 | |
| Others | 24 | |
| Total | 5463 | 78.9 |

Establishment & Strength of TB & Chest Service As at 31.12.2007

| Post | Establishment | Strength |
|---------------------------------|---------------|----------|
| Consultant Chest Physician i/c | 1 | 1 |
| Consultant Chest Physician | 1 | 1 |
| Senior Medical & Health Officer | 7 | 7 |
| Medical & Health Officer | 23 | 20 |
| Contract Doctor | 1 | 1 |
| Senior Nursing Officer | 1 | 1 |
| Nursing Officer | 14 | 12 |
| Registered Nurse | 59 | 66 |
| Contract Nurse | 4 | 4 |
| Enrolled Nurse | 92 | 85 |
| Senior Dispenser | 9 | 8 |
| Dispenser | 1 | 2 |
| Executive Officer I | 1 | 2 |
| Statistical Officer II | 2 | 2 |
| Research Assistant | 2 | 2 |
| Personal Secretary I | 1 | 1 |
| Clerical Officer | 16 | 14 |
| Assistant Clerical Officer | 20 | 21 |
| Clerical Assistant | 54 | 54 |
| Project Assistant | 2 | 2 |
| Office Assistant | 11 | 11 |
| Workman II | 46 | 46 |
| General Worker | 3 | 3 |
| Property Attendant | 0 | 0 |
| Senior Radiographer | 3 | 3 |
| Radiographer I | 7 | 4 |
| Radiographer II | 14 | 9 |
| Contract Radiographer | 11 | 11 |
| Radiographic Technician | 5 | 5 |
| Darkroom Technician | 11 | 11 |
| Darkroom Assistant | 1 | 1 |

APPENDIX 15
Total Attendances at Chest Clinics

1997 - 2007

| Clinic/Hospital | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| East Kowloon Chest Clinic | 58862 | 65220 | 56317 | 64102 | 64820 | 60729 | 56132 | 58535 | 61835 | 56737 | 63191 |
| Kowloon Chest Clinic | 120663 | 117678 | 112291 | 119624 | 106321 | 98403 | 97223 | 86502 | 77337 | 73627 | 67093 |
| Sai Ying Pun Chest Clinic | 50875 | 56233 | 58380 | 57916 | 53854 | 51808 | 45437 | 46974 | 45159 | 42034 | 42770 |
| Shaukiwan Chest Clinic | 54639 | 54732 | 52446 | 53011 | 57215 | 57968 | 47541 | 50828 | 50699 | 49667 | 48207 |
| Shaukiwan Pneumoconiosis | 9185 | 10821 | 12182 | 11023 | 10889 | 9120 | 8008 | 8098 | 9144 | 8866 | 8359 |
| Shek Kip Mei Chest Clinic | 72274 | 75610 | 68971 | 70941 | 71134 | 65572 | 60461 | 60382 | 60789 | 57848 | 58679 |
| South Kwai Chung Chest Clinic | 111683 | 113185 | 108654 | 99012 | 90448 | 85221 | 78998 | 75487 | 80015 | 79455 | 78238 |
| Tai Po Chest Clinic (Full Time) | - | - | - | - | - | 7866 | 33518 | 30879 | 35347 | 35728 | 34769 |
| Tung Chung (Full Time) | 101 | 3730 | 4687 | 4601 | 6241 | 6129 | 6807 | 1928 | - | - | - |
| Wanchai Chest Clinic | 92697 | 91331 | 85109 | 84960 | 79212 | 70500 | 62322 | 60406 | 57906 | 58545 | 56790 |
| Yan Oi Chest Clinic | 69581 | 70979 | 78840 | 79188 | 72982 | 66905 | 66084 | 70168 | 72078 | 72144 | 70643 |
| Yaumatei Chest Clinic | 89759 | 103198 | 108226 | 111959 | 114499 | 95700 | 71378 | 70294 | 80708 | 72180 | 69549 |
| Yuen Chau Kok Chest Clinic | 61160 | 76626 | 71273 | 66192 | 65190 | 64748 | 60339 | 56322 | 59328 | 57680 | 55454 |
| Yung Fung Shee Chest Clinic | 58841 | 66567 | 74735 | 73255 | 73663 | 77078 | 77516 | 71269 | 78279 | 72570 | 73944 |
| Castle Peak Hospital | 1169 | 1283 | 1151 | 868 | 1010 | 416 | 372 | 373 | 317 | 241 | 240 |
| Cheung Chau Chest Clinic | 2808 | 2943 | 2706 | 2611 | 1640 | 2404 | 1944 | 2032 | 2066 | 1589 | 2318 |
| Sai Kung Chest Clinic | 1444 | 1682 | 1905 | 2141 | 1945 | 2119 | 2372 | 2495 | 2382 | 2542 | 2280 |
| Sheung Shui Chest Clinic | 15330 | 18756 | 21256 | 22383 | 24271 | 24273 | 22933 | 23211 | 22601 | 21765 | 22333 |
| Tai Po Chest Clinic (Part Time) | 15760 | 20350 | 20758 | 24688 | 25636 | 17761 | = | - | - | - | - |
| Tung Chung (Part Time) | - | - | - | - | - | - | - | 2802 | 5173 | 4447 | 4086 |
| Yuen Long Chest Clinic | 18742 | 21677 | 24075 | 27603 | 27208 | 29393 | 28702 | 31054 | 33056 | 29344 | 27960 |
| Hei Ling Chau ATC | 2600 | 2664 | 1855 | 3726 | 2474 | 2302 | 2352 | 1670 | 585 | 472 | 282 |
| Lai Chi Kok Reception Centre | - | - | - | - | - | - | - | 723 | 479 | 356 | 519 |
| Shek Pik Prison Hospital | 725 | 173 | 266 | 241 | 291 | 277 | 203 | 211 | 141 | 157 | 188 |
| Stanley Prison Hospital | 6053 | 7380 | 9062 | 10468 | 10532 | 11977 | 8829 | 7459 | 527 | 603 | 665 |
| Total | 914951 | 982818 | 975145 | 990513 | 961475 | 908669 | 839471 | 820102 | 835951 | 798597 | 788557 |

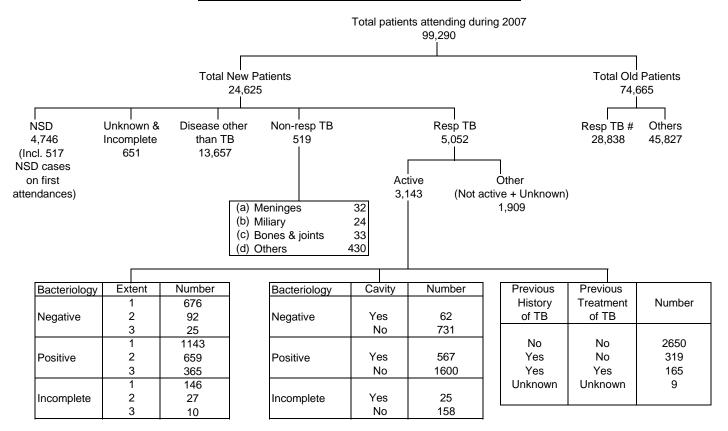
Appendix 16

No. of Doctor Sessions, Cases Seen by Doctor and Patient/ Doctor Session 2007

| Clinic/Hospital | Doctor Sessions | Cases Seen by Doctor | Patient/Doctor Session |
|-------------------------------|-----------------|----------------------|------------------------|
| Full Time Clinics | | | |
| East Kowloon | 634 | 17028 | 27 |
| Kowloon | 1000 | 25240 | 25 |
| Pneumoconiosis | 516 | 8058 | 16 |
| Sai Ying Pun | 615 | 16578 | 27 |
| Shaukeiwan | 516 | 12731 | 25 |
| Shek Kip Mei | 612 | 16198 | 26 |
| South Kwai Chung | 1028 | 28729 | 28 |
| Tai Po | 516 | 10089 | 20 |
| Wanchai | 1102 | 20514 | 19 |
| Yan Oi | 864 | 24999 | 29 |
| Yaumatei | 1011 | 21630 | 21 |
| Yuen Chau Kok | 848 | 18375 | 22 |
| Yung Fung Shee | 662 | 16756 | 25 |
| Sub-total | 9924 | 236925 | 24 |
| Part Time Clinics | | | |
| Castle Peak | 26 | 240 | 9 |
| Cheung Chau | 26 | 505 | 19 |
| Sai Kung | 48 | 797 | 17 |
| Sheung Shui | 296 | 6300 | 21 |
| Tung Chung | 145 | 1823 | 13 |
| Yuen Long | 396 | 7589 | 19 |
| Sub-total | 937 | 17254 | 18 |
| Institutions Correctional Ser | Dept_ | | |
| Hei Ling Chau | 12 | 282 | 24 |
| Lai Chi Kok Reception Center | 50 | 516 | 10 |
| Shek Pik | 13 | 188 | 14 |
| Stanley Prison | 26 | 665 | 26 |
| Sub-total | 101 | 1651 | 16 |
| Total | 10962 | 255830 | 23 |

Note: Doctor Session - one doctor of a half-day session

Flow Chart of Patients Attending Chest Clinics 2007 *



* A total of 99290 patients attended, comprising 74665 old cases and 24625 new cases. Among old cases, 28838 had respiratory TB. Among new cases, 5052 had respiratory TB with 3143 being active, 519 had non-respiratory TB, 13657 had diseases other than TB, 651 had unknown and incomplete diagnoses, and 4746 had NSD (no specific diagnosis). Of the 519 new cases with non-respiratory TB, 32 had TB affecting meninges, 24 had miliary TB, 33 had TB affecting bones and joints, and 430 had TB affecting other sites.

Among the 3143 new cases with active respiratory TB, 2650 had neither previous history of TB nor previous treatment of TB, 319 had previous history of TB but no previous treatment, 165 had previous history of TB with treatment, and 9 had unknown status. In terms of bacteriology (negative, positive, or incomplete) and cavity, 62 were negative with cavity, 731 were negative without cavity, 567 were positive with cavity, 1600 were positive without cavity, 25 were incomplete with cavity, and 158 were incomplete without cavity. In terms of bacteriology and extent of disease (1, 2, or 3), 676 were negative with extent 1, 92 were negative with extent 2, 25 were negative with extent 3, 1143 were positive with extent 1, 659 were positive with extent 2, 365 were positive with extent 3, 146 were incomplete with extent 1, 27 were complete with extent 2, and 10 were incomplete with extent 3.

Refer to cases with pulmonary TB only, without coexisting TB of extrapulmonary sites.

Classification of Patients of First Attendance with New Case Card Completed By Clinics According to International Classification of Diseases Code 2007

| Code | Classification | Total |
|---------|---|-------|
| 010 | Primary Tuberculosis Infection | 5 |
| 010 | Pulmonary Tuberculosis | 2892 |
| 012 | Other Respiratory Tuberculosis | 246 |
| 013 | Tuberculosis of Meninges | 32 |
| 014 | Tuberculosis of Intestines | 26 |
| 015 | Tuberculosis of Bones & Joints | 33 |
| 016 | Tuberculosis of Genito-urinary System | 32 |
| 017 | Tuberculosis of Other Organs | 361 |
| 018 | Miliary Tuberculosis | 24 |
| 137 | Late effects of Tuberculosis | 1909 |
| 160-165 | Malignant Neoplasm of Respiratory System | 412 |
| 212 | Benign Neoplasm of Respiratory System | 2 |
| 460-466 | Acute Respiratory Infection | 1597 |
| 470-478 | Other Diseases of Upper Resp Tract | 110 |
| 480-486 | Pneumonia | 1258 |
| 487 | Influenza | 2 |
| 490-491 | Bronchitis, (not specified as acute or chronic) & chronic brochitis | 3203 |
| 492 | Emphysema | 54 |
| 493 | Asthma | 174 |
| 494 | Bronchiectasis | 300 |
| 495-496 | Others | 273 |
| 501 | Asbestosis | 0 |
| 502 | Silicosis | 4 |
| 505 | Pneumoconiosis, unspecified | 1 |
| 506-508 | Others | 1 |
| 510 | Empyema | 3 |
| 511 | Pleurisy | 93 |
| 512 | Pneumothorax | 39 |
| 513-519 | Other Diseases of Respiratory System | 667 |
| 786 | Unknown | 2585 |
| V71 | N.S.D. | 1576 |
| | Diseases Other than TB & Resp System | 5464 |
| Total | | 23378 |

Appendix 19 (a)

Extent of Active Resporary TB in First Attenders at Chest Clinics 2005-2007

| Extent * | 200 | 5 | 200 | 06 | 200 |)7 |
|------------------------|-------|-------|-------|-------|-------|-------|
| Exterit | No. | % | No. | % | No. | % |
| 1. Minimal | 2222 | 60.6 | 2083 | 60.6 | 1965 | 62.5 |
| 2. Moderate | 979 | 26.7 | 900 | 26.2 | 778 | 24.8 |
| 3. Extensive | 465 | 12.7 | 454 | 13.2 | 400 | 12.7 |
| Total | 3666 | 100.0 | 3437 | 100.0 | 3143 | 100.0 |
| No. of first attenders | 29082 | | 25127 | | 24625 | |
| % of active TB | 12.6 | | 13.7 | | 12.8 | |

* 1. Minimal : Less than right upper lobe2. Moderate : More than right upper lobe

3. Extensive : More than a lung

Percentage on Sputum Results of Active TB in First Attenders at Chest Clinics 2007

| | Number | % |
|-------------------|--------|-------|
| Smear + | 1224 | 38.9 |
| Smear - Culture + | 891 | 28.3 |
| Smear - Culture - | 806 | 25.6 |
| Incomplete | 222 | 7.1 |
| Total | 3143 | 100.0 |

APPENDIX 19 (b1)

Rate of Drug-resistant Tuberculosis

Among cases (mainly cases seen at chest clinics) registered during the period January to June 2007 (Data from Programme Forms)

| Age Group | Category | | % resis | tance to | | * 0 | % resistance | e to | MDR-TB | # Total % | Total no. of cases |
|-----------|--------------------------|------|---------|----------|-------|--------|--------------|-----------|--------|------------|--------------------|
| Age Gloup | Category | E | R | Н | S | 1 drug | 2 drugs | ≥ 3 drugs | | resistance | analysed |
| | New cases | 0.00 | 1.69 | 1.69 | 13.56 | 13.56 | 1.69 | 0.00 | 0.00 | 15.25 | 59 |
| 0 - 19 | Previously treated cases | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| | Overall | 0.00 | 1.67 | 1.67 | 13.33 | 13.33 | 1.67 | 0.00 | 0.00 | 15.00 | 60 |
| | New cases | 0.31 | 1.53 | 4.59 | 7.03 | 5.50 | 2.45 | 0.92 | 1.22 | 8.87 | 327 |
| 20 - 39 | Previously treated cases | 4.55 | 9.09 | 18.18 | 13.64 | 4.55 | 13.64 | 4.55 | 9.09 | 22.73 | 22 |
| | Overall | 0.57 | 2.01 | 5.44 | 7.45 | 5.44 | 3.15 | 1.15 | 1.72 | 9.74 | 349 |
| | New cases | 0.00 | 0.26 | 3.64 | 8.05 | 8.05 | 1.56 | 0.26 | 0.26 | 9.87 | 385 |
| 40 - 59 | Previously treated cases | 0.00 | 1.69 | 13.56 | 10.17 | 6.78 | 6.78 | 1.69 | 1.69 | 15.25 | 59 |
| | Overall | 0.00 | 0.45 | 4.95 | 8.33 | 7.88 | 2.25 | 0.45 | 0.45 | 10.59 | 444 |
| | New cases | 0.00 | 0.18 | 3.43 | 6.68 | 5.60 | 2.35 | 0.00 | 0.18 | 7.94 | 554 |
| 60 up | Previously treated cases | 0.00 | 0.00 | 6.52 | 14.13 | 14.13 | 3.26 | 0.00 | 0.00 | 17.39 | 92 |
| | Overall | 0.00 | 0.15 | 3.87 | 7.74 | 6.81 | 2.48 | 0.00 | 0.15 | 9.29 | 646 |
| | New cases | 0.08 | 0.60 | 3.70 | 7.47 | 6.64 | 2.11 | 0.30 | 0.45 | 9.06 | 1325 |
| All | Previously treated cases | 0.57 | 1.72 | 10.34 | 12.64 | 10.34 | 5.75 | 1.15 | 1.72 | 17.24 | 174 |
| | Overall | 0.13 | 0.73 | 4.47 | 8.07 | 7.07 | 2.54 | 0.40 | 0.60 | 10.01 | 1499 |

Notes: E = ethambutol; R = rifampicin; H = isoniazid; S = streptomycin

total % resistance: resistant to at least one of the four drugs E, R, H and S

New cases: for cases with no past history of anti-tuberculosis treatment

Previously treated cases: for cases with past history of anti-tuberculosis treatment

Overall: for all cases

NB: The TB Reference Laboratory of Department of Health is using the absolute concentration method for drug susceptibility tests.

 $^{^{\}star}$ % resistant to one, two or more than two of the four drugs E, R, H and S

APPENDIX 19 (b2)

Rate of Drug-resistant Tuberculosis

Among cases (mainly cases seen at chest clinics) registered during the period January to June 2007 (Data from Programme Forms)

| | New case | | | sly treated ises | Com | bined |
|--------------------------------------|----------|-------|-----|---------------------|------|--------|
| | N | % | N | % | Ν | % |
| Total number of strains tested | 1325 | 100 | 174 | 100.00 | 1499 | 100.00 |
| Susceptible to all 4 drugs | 1205 | 90.94 | 144 | 82.76 | 1349 | 89.99 |
| Any resistance | 120 | 9.06 | 30 | 17.24 | 150 | 10.01 |
| Н | 49 | 3.70 | 18 | 10.34 | 67 | 4.47 |
| R | 8 | 0.60 | 3 | 1.72 | 11 | 0.73 |
| E | 1 | 0.08 | 1 | 0.57 | 2 | 0.13 |
| S | 99 | 7.47 | 22 | 12.64 | 121 | 8.07 |
| Monoresistance | 88 | 6.64 | 18 | 10.34 | 106 | 7.07 |
| | | | | | | |
| H R | 18 | 1.36 | 6 | 3.45 | 24 | 1.60 |
| E | 1 | 0.08 | 0 | 0.00 | 1 | 0.07 |
| S | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 5 | 69 | 5.21 | 12 | 6.90 | 81 | 5.40 |
| Multidrug resistance | 6 | 0.45 | 3 | 1.72 | 9 | 0.60 |
| H+R | 2 | 0.15 | 1 | 0.57 | 3 | 0.20 |
| H+R+E | 0 | 0.00 | 1 | 0.57 | 1 | 0.07 |
| H+R+S | 3 | 0.23 | 1 | 0.57 | 4 | 0.27 |
| H+R+E+S | 1 | 0.08 | 0 | 0.00 | 1 | 0.07 |
| Other patterns | 26 | 1.96 | 9 | 5.17 | 35 | 2.33 |
| H+E | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| H+S | 25 | 1.89 | 9 | 5.17 | 34 | 2.27 |
| H+E+S | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R+E | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R+S | 1 | 0.08 | 0 | 0.00 | 1 | 0.07 |
| R+E+S | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| E+S | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Number of drugs resistant to | | | | | | |
| Number of drugs resistant to: 0 drug | 1205 | 90.94 | 144 | 82.76 | 1349 | 89.99 |
| 1 drug | 88 | 6.64 | 18 | 10.34 | 106 | 7.07 |
| 2 drugs | 28 | 2.11 | 10 | 5.75 | 38 | 2.54 |
| 3 drugs | 3 | 0.23 | 2 | 1.15 | 5 | 0.33 |
| 4 drugs | 1 | 0.08 | 0 | 0.00 | 1 | 0.07 |

APPENDIX 19 (c1)

Rate of Drug-resistant Tuberculosis

Among cases (mainly cases seen at chest clinics) registered during the period January to December 2006 (Data from Programme Forms)

| Age Group | Category | % resistance to | | | | * % resistance to | | | MDR-TB | # Total % | Total no. of cases |
|-----------|--------------------------|-----------------|-------|-------|-------|-------------------|---------|-----------|--------|------------|--------------------|
| | | E | R | Н | S | 1 drug | 2 drugs | ≥ 3 drugs | | resistance | analysed |
| 0 - 19 | New cases | 0.93 | 0.93 | 2.80 | 8.41 | 5.61 | 1.87 | 0.93 | 0.93 | 8.41 | 107 |
| | Previously treated cases | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| | Overall | 0.93 | 0.93 | 2.78 | 8.33 | 5.56 | 1.85 | 0.93 | 0.93 | 8.33 | 108 |
| 20 - 39 | New cases | 0.32 | 1.29 | 5.48 | 7.10 | 8.39 | 2.42 | 0.32 | 0.48 | 11.13 | 620 |
| | Previously treated cases | 10.34 | 13.79 | 17.24 | 13.79 | 3.45 | 0.00 | 13.79 | 13.79 | 17.24 | 29 |
| | Overall | 0.77 | 1.85 | 6.01 | 7.40 | 8.17 | 2.31 | 0.92 | 1.08 | 11.40 | 649 |
| | New cases | 0.39 | 0.91 | 4.56 | 6.65 | 6.65 | 1.83 | 0.65 | 0.78 | 9.13 | 767 |
| 40 - 59 | Previously treated cases | 2.27 | 4.55 | 6.82 | 10.23 | 4.55 | 3.41 | 3.41 | 4.55 | 11.36 | 88 |
| | Overall | 0.58 | 1.29 | 4.80 | 7.02 | 6.43 | 1.99 | 0.94 | 1.17 | 9.36 | 855 |
| 60 up | New cases | 0.28 | 0.56 | 3.17 | 4.66 | 5.59 | 1.02 | 0.28 | 0.37 | 6.89 | 1074 |
| | Previously treated cases | 0.00 | 0.52 | 10.42 | 8.33 | 9.38 | 4.17 | 0.52 | 0.52 | 14.06 | 192 |
| | Overall | 0.24 | 0.55 | 4.27 | 5.21 | 6.16 | 1.50 | 0.32 | 0.39 | 7.98 | 1266 |
| All | New cases | 0.35 | 0.86 | 4.13 | 6.00 | 6.58 | 1.64 | 0.43 | 0.55 | 8.64 | 2568 |
| | Previously treated cases | 1.61 | 2.90 | 10.00 | 9.35 | 7.42 | 3.55 | 2.58 | 2.90 | 13.55 | 310 |
| | Overall | 0.49 | 1.08 | 4.76 | 6.36 | 6.67 | 1.84 | 0.66 | 0.80 | 9.17 | 2878 |

Notes: E = ethambutol; R = rifampicin; H = isoniazid; S = streptomycin

 * % resistant to one, two or more than two of the four drugs E, R, H and S

total % resistance: resistant to at least one of the four drugs E, R, H and S

New cases: for cases with no past history of anti-tuberculosis treatment

Previously treated cases: for cases with past history of anti-tuberculosis treatment

Overall: for all cases

NB: The TB Reference Laboratory of Department of Health is using the absolute concentration method for drug susceptibility tests.

APPENDIX 19 (c2)

Rate of Drug-resistant Tuberculosis

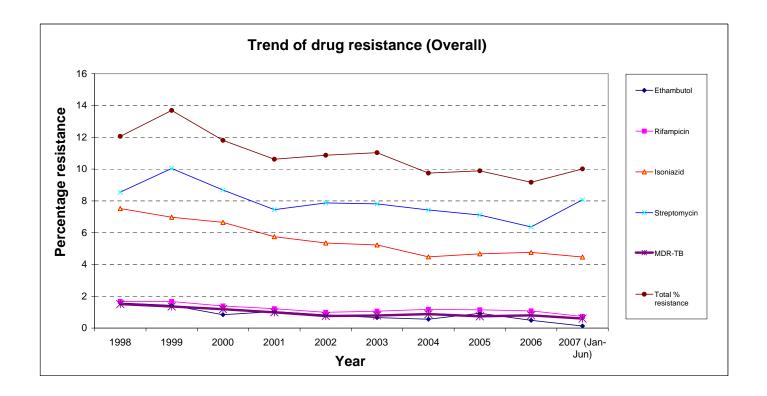
Among cases (mainly cases seen at chest clinics) registered during the period January to December 2006 (Data from Programme Forms)

| | New | case | | sly treated ses | Com | bined |
|--------------------------------|------|-------|-----|--------------------|------|--------|
| | N | % | N | % | N | % |
| Total number of strains tested | 2568 | 100 | 310 | 100.00 | 2878 | 100.00 |
| Susceptible to all 4 drugs | 2346 | 91.36 | 268 | 86.45 | 2614 | 90.83 |
| Any resistance | 222 | 8.64 | 42 | 13.55 | 264 | 9.17 |
| H | 106 | 4.13 | 31 | 10.00 | 137 | 4.76 |
| R | 22 | 0.86 | 9 | 2.90 | 31 | 1.08 |
| E | 9 | 0.35 | 5 | 1.61 | 14 | 0.49 |
| S | 154 | 6.00 | 29 | 9.35 | 183 | 6.36 |
| Monoresistance | 169 | 6.58 | 23 | 7.42 | 192 | 6.67 |
| H | 55 | 2.14 | 12 | 3.87 | 67 | 2.33 |
| R | 6 | 0.23 | 0 | 0.00 | 6 | 0.21 |
| E | 2 | 0.23 | 0 | 0.00 | 2 | 0.21 |
| S | 106 | 4.13 | 11 | 3.55 | 117 | 4.07 |
| | 1.00 | | | 0.00 | | |
| Multidrug resistance | 14 | 0.55 | 9 | 2.90 | 23 | 0.80 |
| H+R | 3 | 0.12 | 1 | 0.32 | 4 | 0.14 |
| H+R+E | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| H+R+S | 6 | 0.23 | 3 | 0.97 | 9 | 0.31 |
| H+R+E+S | 5 | 0.19 | 5 | 1.61 | 10 | 0.35 |
| Other patterns | 39 | 1.52 | 10 | 3.23 | 49 | 1.70 |
| H+E | 1 | 0.04 | 0 | 0.00 | 1 | 0.03 |
| H+S | 36 | 1.40 | 10 | 3.23 | 46 | 1.60 |
| H+E+S | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R+E | 1 | 0.04 | 0 | 0.00 | 1 | 0.03 |
| R+S | 1 | 0.04 | 0 | 0.00 | 1 | 0.03 |
| R+E+S | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| E+S | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| | | | | | | |
| Number of drugs resistant to: | 0040 | 04.00 | 000 | 00.45 | 0044 | 00.00 |
| 0 drug | 2346 | 91.36 | 268 | 86.45 | 2614 | 90.83 |
| 1 drug | 169 | 6.58 | 23 | 7.42 | 192 | 6.67 |
| 2 drugs | 42 | 1.64 | 11 | 3.55 | 53 | 1.84 |
| 3 drugs | 6 | 0.23 | 3 | 0.97 | 9 | 0.31 |
| 4 drugs | 5 | 0.19 | 5 | 1.61 | 10 | 0.35 |

Appendix 19 (d)

Trend of anti-TB drug resistance (1998-2007) (Data from Programme Forms)

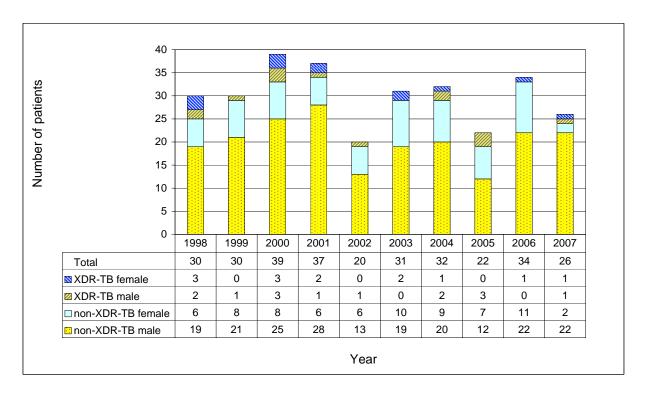
| New cases | | | | | | | | | | |
|--------------------------|-------|----------|-------|-------|-------|-------|-------|-------|--------------|----------------|
| (Percentages) | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 (Jan-Jun) |
| Ethambutol | 1.24 | 1.11 | 0.54 | 0.96 | 0.65 | 0.42 | 0.34 | 0.54 | 0.35 | 0.08 |
| Rifampicin | 1.17 | 0.97 | 0.61 | 0.83 | 0.46 | 0.69 | 0.75 | 0.83 | 0.86 | 0.60 |
| Isoniazid | 6.78 | 6.22 | 5.21 | 5.02 | 4.71 | 4.64 | 3.65 | 4.16 | 4.13 | 3.70 |
| Streptomycin | 7.65 | 9.34 | 7.78 | 7.39 | 7.40 | 7.59 | 6.90 | 6.72 | 6.00 | 7.47 |
| MDR-TB | 1.06 | 0.75 | 0.47 | 0.55 | 0.34 | 0.46 | 0.48 | 0.51 | 0.55 | 0.45 |
| Total % resistance | 10.89 | 12.61 | 10.35 | 10.39 | 10.22 | 10.54 | 8.84 | 9.33 | 8.64 | 9.06 |
| Previously treated cases | | | | | | | | | , | |
| (Percentages) | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 (Jan-Jun) |
| Ethambutol | 3.51 | 3.16 | 2.68 | 1.85 | 2.04 | 2.19 | 2.14 | 3.92 | 1.61 | 0.57 |
| Rifampicin | 4.61 | 6.09 | 5.98 | 3.71 | 4.59 | 3.41 | 4.29 | 3.64 | 2.90 | 1.72 |
| Isoniazid | 11.84 | 11.51 | 15.26 | 11.80 | 9.69 | 9.00 | 10.46 | 8.68 | 10.00 | 10.34 |
| Streptomycin | 13.82 | 14.45 | 13.81 | 10.96 | 10.97 | 9.25 | 11.26 | 10.08 | 9.35 | 12.64 |
| MDR-TB | 4.17 | 5.19 | 5.36 | 3.54 | 3.57 | 2.92 | 3.75 | 2.52 | 2.90 | 1.72 |
| Total % resistance | 18.86 | 20.32 | 20.41 | 16.36 | 16.58 | 14.11 | 16.35 | 14.29 | 13.55 | 17.24 |
| Overall | | <u>.</u> | | | | | | | | |
| (Percentages) | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | | 2007 (Jan-Jun) |
| Ethambutol | 1.58 | 1.43 | 0.84 | 1.04 | 0.83 | 0.66 | 0.56 | 0.93 | | 0.13 |
| Rifampicin | 1.67 | 1.67 | 1.39 | 1.22 | 0.99 | 1.06 | 1.18 | 1.15 | 1.08 | 0.73 |
| Isoniazid | 7.52 | 6.97 | 6.65 | 5.75 | 5.35 | 5.23 | 4.48 | 4.67 | 4.76 | 4.47 |
| Streptomycin | 8.55 | 10.04 | 8.68 | 7.45 | 7.87 | 7.81 | 7.43 | 7.11 | 6.36 | 8.07 |
| MDR-TB | 1.51 | 1.36 | 1.19 | 0.99 | 0.76 | 0.79 | 0.88 | 0.74 | 0.80 | 0.60 |
| Total % resistance | 12.06 | 13.69 | 11.81 | 10.62 | 10.87 | 11.03 | 9.75 | 9.89 | 9.17 | 10.01 |

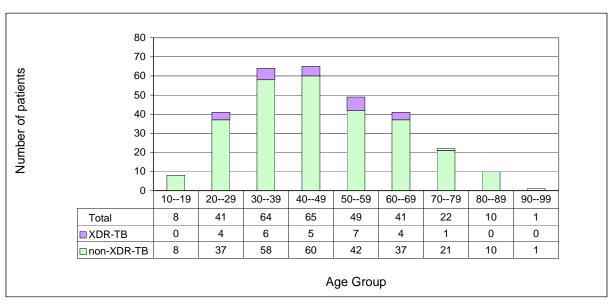


Appendix 19 (e)

MDR-TB and XDR-TB by Sex and Year (Upper Graph) and by Age (Lower Graph) (1998-2007)

Cases of MDR-TB and XDR-TB are identified from four main sources: (1) Programme forms; (2) MDR-TB registry; (3) Prison registry; (4) TB Reference Laboratory. The year to which the case belongs is defined as the year of starting treatment with second-line anti-TB drugs, or if treatment has not been started (e.g., patient died, or no effective second-line drugs are available for treatment), it is defined as the year of reporting MDR-TB.





Definitions: MDR-TB = multidrug-resistant tuberculosis [resistant to at least isoniazid and rifampicin]

XDR-TB = extensively drug-resistant tuberculosis [resistant to any fluoroquinolone, and at least one of three injectable second-line drugs (capreomycin, kanamycin, and amikacin), in addition to MDR-TB]

NB: In the above graphs, non-XDR-TB refers to MDR-TB excluding XDR-TB cases

Appendix 20 (a) Treatment Return 2007

| | | | | | | | | | | | | Service R | | | | | | | | | | | | | | |
|-----------------------|-----------|----------|-----|----------|------|-----|-----|--------|--------|-------|---------|-------------|---------|------|-------|-------|------|-----|-----|---------|---------|-----|-----------|-------|--------|----------|
| | No. put | | Во | ought ir | ı | | Tre | atment | comple | ted | Transfe | er out to I | nterrup | | | Drop | out | | С | omplete | default | er | No. still | Unsup | Incomp | No. def. |
| Name of | on Rx | 1 | 2 | 3 | 4 | 5 | <6M | at 6M | >6M | % | hosp. | other | Rx | Died | Rx by | Leave | Def. | AMA | <2M | >2M | >3M | % | onRx | Rx | super. | >2M |
| Clinic/Hospital | b/f | | | | | | | | | | | СС | temp | | GP | HK | >1x | | | <3M | | | c/f | | Rx | <3M |
| | Α | В | С | D | Е | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | V | W | Х | Υ | Z |
| Full Time Clinics | | | | | | | | | | | | | | | | | | | | | | | | | | |
| East Kowloon | 168 | 118 | 9 | 7 | 136 | 88 | 14 | 59 | 174 | 87.9 | 51 | 32 | 0 | 14 | 1 | 1 | 0 | 8 | 0 | 8 | 0 | 3.0 | 164 | 8 | 64 | 0 |
| Kowloon | 233 | 210 | 24 | 10 | 157 | 91 | 16 | 73 | 225 | 84.7 | 42 | 72 | 0 | 22 | 1 | 16 | 0 | 4 | 1 | 0 | 10 | 3.1 | 243 | | 57 | 10 |
| South Kwai Chung | 297 | 229 | 20 | 15 | 181 | 76 | 14 | 108 | 312 | 89.9 | 63 | 20 | 0 | 24 | 1 | 7 | 1 | 8 | 1 | 5 | 1 | 1.5 | 253 | 0 | 99 | 1 |
| Sai Ying Pun | 74 | 133 | 8 | 9 | 107 | 90 | 11 | 63 | 120 | 92.4 | 53 | 21 | 0 | 4 | 0 | 6 | 2 | 3 | 0 | 1 | 1 | 1.0 | 136 | 0 | 51 | 0 |
| Shaukeiwan | 188 | 130 | 3 | 5 | 123 | 69 | 2 | 68 | 184 | 88.1 | 22 | 17 | 0 | 11 | 1 | 13 | 0 | 5 | 1 | 0 | 3 | 1.4 | 191 | 0 | 43 | 4 |
| Shek Kip Mei | 132 | 131 | 6 | 10 | 108 | 64 | 5 | 78 | 158 | 87.4 | 51 | 18 | 0 | 7 | 0 | 8 | 0 | 7 | 3 | 3 | 6 | 4.4 | 107 | 4 | 62 | 0 |
| Tai Po | 145 | 87 | 8 | 5 | 71 | 32 | 3 | 70 | 101 | 94.0 | 15 | 1 | 1 | 6 | 0 | 2 | 3 | 0 | 1 | 0 | 2 | 1.6 | 143 | 0 | 19 | 0 |
| Wanchai | 206 | 130 | 10 | 8 | 114 | 127 | 5 | 80 | 181 | 85.0 | 100 | 22 | 0 | 5 | 3 | 25 | 0 | 2 | 1 | 10 | 0 | 3.6 | 161 | 0 | 45 | 1 |
| Yan Oi | 264 | 173 | 5 | 11 | 192 | 115 | 27 | 94 | 298 | 88.3 | 90 | 21 | 0 | 31 | 1 | 9 | 0 | 5 | 0 | 2 | 4 | 1.4 | 178 | 11 | 68 | 0 |
| Yaumatei | 231 | 188 | 12 | 12 | 121 | 73 | 19 | 112 | 178 | 84.8 | 36 | 29 | 0 | 12 | 0 | 15 | 6 | 11 | 0 | 6 | 8 | 4.1 | 205 | 2 | 38 | 45 |
| Yuen Chau Kok | 180 | 158 | 11 | 10 | 108 | 35 | 13 | 88 | 156 | 89.4 | 29 | 13 | 2 | 7 | 1 | 11 | 0 | 5 | 0 | 0 | 5 | 1.8 | 172 | 32 | 0 | 0 |
| Yung Fung Shee | 278 | 170 | 10 | 12 | 179 | 50 | 7 | 108 | 222 | 94.0 | 38 | 21 | 1 | 13 | 0 | 2 | 4 | 2 | 1 | 0 | 3 | 1.1 | 277 | 0 | 89 | 4 |
| Sub-total | 2396 | 1857 | 126 | 114 | 1597 | 910 | 136 | 1001 | 2309 | 88.6 | 590 | 287 | 4 | 156 | 9 | 115 | 16 | 60 | 9 | 35 | 43 | 2.3 | 2230 | 64 | 635 | 65 |
| | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hosp Discharge Cli | | | | | | | | | | | | | | | | | | | | | | | | | | |
| East Kowloon | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 |
| Part Time Clinics | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Castle Peak | 3 | 6 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 100.0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 3 | 0 | 0 | 0 |
| Cheung Chau | 3 | 2 | 1 | 1 | 3 | 2 | 1 | 4 | 6 | 90.9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 1 | 0 |
| Sai Kung | 19 | 6 | 0 | 0 | 6 | 4 | 0 | 6 | 16 | 71.0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 |
| Sheung Shui | 143 | 81 | 2 | 0 | 85 | 35 | 3 | 37 | 99 | 91.3 | 44 | 12 | 0 | 4 | 0 | 4 | 1 | 1 | 2 | 0 | 2 | 2.7 | 137 | 0 | 121 | 4 |
| Tung Chung | 24 | 11 | 0 | 0 | 13 | 8 | 1 | 9 | 17 | 96.3 | 6 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0.0 | 20 | 0 | 0 | 0 |
| Yuen Long | 120 | 77 | 4 | 2 | 90 | 34 | 2 | 39 | 100 | 89.1 | 27 | 13 | 0 | 2 | 1 | 3 | 1 | 2 | 0 | 0 | 9 | 5.8 | 128 | 0 | 106 | 0 |
| Sub-total | 312 | 183 | 7 | 3 | 199 | 83 | 7 | 96 | 242 | 91.4 | 80 | 30 | 0 | 7 | 1 | 8 | 3 | 3 | 2 | 0 | 11 | 3.5 | 297 | 0 | 228 | 4 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Institutions Correcti | ional Ser | vices De | ept | | | | | | | | | | | | | | | | | | | | | | | |
| Hei Ling Chau | 5 | 10 | 9 | 0 | 0 | 0 | 0 | 2 | 0 | 50.0 | 1 | 13 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0.0 | 6 | 0 | 0 | 0 |
| Stanley Prison | 24 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 29 | 0 | 0 | 0 |
| Shek Pik Prison | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 12 | 0 | 0 | 0 |
| Sub-total | 41 | 26 | 9 | 0 | 0 | 0 | 0 | 2 | 0 | 50.0 | 1 | 24 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0.0 | 47 | 0 | 0 | 0 |
| Total | 2751 | 2066 | 142 | 117 | 1796 | 993 | 143 | 1099 | 2553 | 88.8 | 671 | 341 | 4 | 163 | 10 | 125 | 19 | 63 | 11 | 35 | 54 | 2.4 | 2574 | 64 | 863 | 69 |

Appendix 20 (b) Treatment Return 2007

| | | | | | | | | | | | | Other F | Regimen | | | | | | | | | | | | | |
|-------------------------|----------------|--------------|-----|----------|-----|-----|------|--------|--------|-------|---------|----------|----------|------|-----|-------|------|-----|-----|---------|---------|------|-----------|-------|--------|----------|
| | No. put | | Во | ought ir | 1 | | Trea | atment | comple | ted | Transfe | r out to | Interrup | | | Drop | out | | Co | omplete | default | er | No. still | Unsup | Incomp | No. def. |
| Name of | on Rx | 1 | 2 | 3 | 4 | 5 | <6M | at6M | >6M | % | hosp. | other | Rx | Died | . , | Leave | Def. | AMA | <2M | >2M | >3M | % | onRx | Rx | super. | >2M |
| Clinic/Hospital | b/f | | | | | | | | | | | cc | temp | | GP | HK | >1x | | | <3M | | | c/f | | Rx | <3M |
| | Α | В | С | D | Е | F | G | Н | I | J | K | L | М | Ν | 0 | Р | Q | R | S | Т | U | V | W | X | Y | Z |
| Full Time Clinics | | | | | | | | | | | | | | | | | | | | | | | | | | |
| East Kowloon | 44 | 30 | 3 | 4 | 62 | 19 | 4 | 5 | 30 | 70.0 | 18 | 13 | 0 | 6 | 0 | 3 | 0 | 1 | 0 | 5 | 0 | 10.0 | 77 | 9 | 44 | 0 |
| Kowloon | 82 | 10 | 3 | 2 | 34 | 26 | 3 | 3 | 41 | 80.0 | 37 | 9 | 0 | 8 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0.0 | 53 | 1 | 23 | 1 |
| South Kwai Chung | 66 | 23 | 9 | 2 | 20 | 8 | 2 | 4 | 34 | 80.9 | 7 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 6.4 | 72 | 0 | 16 | 0 |
| Sai Ying Pun | 96 | 6 | 1 | 1 | 28 | 9 | 0 | 2 | 80 | 96.5 | 21 | 5 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0.0 | 30 | 0 | 9 | 0 |
| Shaukeiwan | 29 | 9 | 1 | 1 | 23 | 11 | 1 | 3 | 26 | 90.6 | 7 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3.1 | 33 | | 16 | 0 |
| Shek Kip Mei | 93 | 12 | 0 | 4 | 34 | 20 | 3 | 7 | 41 | 78.7 | 18 | 9 | 0 | 9 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | | 72 | 3 | 21 | 0 |
| Tai Po | 27 | 7 | 1 | 2 | 8 | 6 | 1 | 4 | 19 | 82.1 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0.0 | 20 | 0 | 4 | 0 |
| Wanchai | 45 | 14 | 5 | 6 | 14 | 23 | 2 | 8 | 25 | 82.5 | 24 | 4 | 0 | 3 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0.0 | 37 | 0 | 14 | 0 |
| Yan Oi | 85 | 21 | 5 | 2 | 23 | 9 | 0 | 2 | 11 | 72.2 | 10 | 3 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 5.6 | 113 | 1 | 2 | 0 |
| Yaumatei | 23 | 6 | 0 | 0 | 26 | 10 | 2 | 5 | 20 | 73.5 | 8 | 3 | 0 | 4 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 8.8 | 18 | 1 | 12 | 2 |
| Yuen Chau Kok | 46 | 32 | 4 | 5 | 11 | 10 | 4 | 8 | 27 | 71.4 | 8 | 0 | 0 | 11 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0.0 | 47 | 21 | 0 | 0 |
| Yung Fung Shee | 29 | 4 | 4 | 2 | 10 | 9 | 0 | 5 | 18 | 74.2 | 3 | 7 | 0 | 5 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 3.2 | 16 | 0 | 8 | 0 |
| Sub-total | 665 | 174 | 36 | 31 | 293 | 160 | 22 | 56 | 372 | 80.8 | 163 | 54 | 0 | 61 | 1 | 13 | 2 | 12 | 3 | 9 | 3 | 2.8 | 588 | 36 | 169 | 3 |
| Hosp Discharge Clir | nic | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| East Kowloon | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 |
| Part Time Clinics | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Castle Peak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 |
| Cheung Chau | 7 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 100.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 6 | 0 | 0 | 0 |
| Sai Kung | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1 | 0 | 0 | 0 |
| Sheung Shui | 3 | 1 | 0 | 0 | 8 | 1 | 0 | 2 | 6 | 88.9 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1 | 0 | 8 | 0 |
| Tung Chung | 3 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 4 | 100.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 2 | 0 | 0 | 0 |
| Yuen Long | 3 | 1 | 0 | 1 | 3 | 0 | 0 | 1 | 1 | 66.7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 5 | 0 | 4 | 0 |
| Sub-total | 16 | 3 | 0 | 1 | 15 | 3 | 0 | 3 | 14 | 89.5 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 15 | 0 | 12 | 0 |
| Institutions Correction | l onal Serv | l ices De | ept | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hei Ling Chau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 |
| Stanley Prison | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 |
| Shek Pik Prison | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 |
| Sub-total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 |
| Total | 683 | 177 | 36 | 32 | 308 | 164 | 22 | 59 | 388 | 81.1 | 167 | 55 | 0 | 63 | 1 | 13 | 2 | 12 | 3 | 9 | 3 | 2.7 | 603 | 36 | 181 | 3 |

APPENDIX 20 (c)

Explanatory Notes for Appendices 20(a) & 20(b)

| Г | | | | | | | | | | | | Service r | egimen / O | ther regimen | ıs * | | | | | | | | | | | | | | | |
|---|-------------------------|-----|-----|-----------|-------------|-------------|----------------|-------|---------------------|-----|-----|---------------------|-------------|--------------|-------|-------------|-----------------|------------------------|----------------|--------|-------------|-------|--------|-------------------|--------|---------|----------|----|--------|------|
| | | | | | | | | | | | | Transfer | out to | | | | Drop out | | | Comple | te defa | ulter | | Number | Unsup. | Incomp. | No. Def. | | | |
| ы | ianio∉ho√s pital | | | | Brought i | in | | | Treatment completed | | | Treatment completed | | | | | Interrup. Rx | Died | | · - | | | Compic | ne dela | T | | still | Rx | Super. | >2m, |
| | | | | | | | | | | | | hospi- tal | other cc | temp. | | Rx by GP | Leave HK | Def. >1x | AMA | <2M | >2M, <3M | >3M | % | on Rx | | Rx | <3m | | | |
| | | b/f | | | | | | | at 6M | >6M | % | | | | | | | | | | | | | c/f | | | | | | |
| | | Α | B * | C * | D * | E* | F* | G | Н | I | J | K | ı | М | N | 0 | Р | Q | R | S | Т | U | ٧ | W | Х | Υ | Z | | | |
| | | J | = | A + B + C | : + D + E + | - F - G - k | H+I (-L-M-(| Q - W | | | - 🗀 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | V = | A + B | + C + | D + E + F · | S + T + I · G - K - | J L - M - C |) - W | | | - 🖒 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | W = | (A+B | 3+C+[| D+E+F) - | (G+H+ | I+K+L+ | -M+N+(|)+P+(| Q+R+S | +T+U) | \Longrightarrow | | | | | | |
| | | <6M | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* Explanatory Notes :

| Service regimen | Upon starting treatment, the regimen contains any combination of drugs including H (isoniazid), R (rifampicin), Z (pyrazinamide), E (ethambutol), and S (streptomycin). |
|-----------------|---|
| Other regimens | Upon starting treatment, the regimen contains second line drugs apart from H, R, Z, E or S. |
| Item B | New cases with treatment started in chest clinics. |
| Item C | Retreatment cases, with treatment newly started. Previous treatment either not completed, or even if claimed to be completed, without documentation in the available clinic record. |
| Item D | Relapse cases, with treatment newly started. Previous treatment is completed with documentation in the available clinic record. |
| Item E | Treatment cases transferred in from hospitals, private doctors, etc. without treatment started previously at any chest clinics for this episode of tuberculosis. |
| Ttem F | Other transferred in treatment cases, with treatment given previously in any chest clinics for this episode of tuberculosis. |

APPENDIX 20 (d)

Explanatory Notes For Appendices 20(a) and 20(b)

- Appendix 20 (a): Service regimen: For treatment cases who, upon starting anti-TB drugs, were given any combination of drugs including H (isoniazid), R (rifampicin), Z (pyrazinamide), E (ethambutol), and S (streptomycin).
- Appendix 20 (b): Other regimens: For treatment cases who, upon starting anti-TB drugs, were given also second line drugs apart from H, R, Z, E or S.

Number put on treatment b/f:

(A) - No. put on Rx b/f: Total number of treatment cases c/f from last month's balance.

Brought in:

- Items (B), (C), (D) & (E) will be using a new treatment number, while item (F) will be using the same previous treatment number, as follows:
- (B) (1) Newly started treatment in your chest clinic.
- (C) (2) Retreatment cases, with treatment newly started, including:
 - Cases previously classified under items(O), (P), (Q), (R), (S), (T) or (U) in the most recent episode of treatment, with treatment restarted now after treatment has been interrupted for over 2 months;
 - Cases claiming to have anti-TB treatment completed previously in chest clinic or chest hospital, but the clinic record is not available, e.g., because it has been destroyed;
 - Cases claiming to have anti-TB treatment completed previously from sources other than chest clinic or chest hospital.
- (D) (3) Relapse case:
 - Cases having treatment completed previously (even if this is completed less than 2 months ago) in either chest clinic or chest hospital as indicated in the clinic record which is still available, e.g., cases classified under items (H) or (I) in the most recent episode.
- (E) (4) Transfer in from hospitals, general practitioners (GPs), or prison:
 - Cases previously unknown to any one chest clinic for this episode of treatment.
- (F) (5) Cases using the same previous treatment number:
 - Cases previously known to chest clinic for this episode of treatment, and now being transferred in from other chest clinics, hospitals, GPs, or prison, e.g., cases previously classified under items (K) or (L);
 - Cases previously classified under items (O), (P), (Q), (R), or (S) in the most recent episode of treatment, with treatment restarted now after treatment has been interrupted for less than 2 months;
 - Cases previously classified under item (M), and resuming treatment now.

Treatment completed:

- (G) < 6m: Treatment stopped permanently by doctor prematurely, e.g., revised diagnosis.
- (H) at 6m: Treatment stopped permanently by doctor at or within 2 weeks of 6 month from DOS.
- (I) > 6m: Treatment stopped permanently by doctor at 7 month or more.
- (J) % = (H + I)/(A + B + C + D + E + F G K L M Q W)

Transfer out to:

- (K) hosp: Admission to hospital.
- (L) other cc: Transfer out to other chest clinics.

Interrup. Rx temp.:

(M) Treatment interrupted by doctor temporarily, e.g., due to side effects of drug such as impaired LFT.

Died:

(N) Treatment cases who died.

Drop out:

- (O) Rx by GP: Changed to be treated by GP.
- (P) Leave HK: Treatment cases known to be going back to Philippines, China, or other countries for good as stated in the clinic record (whether AMA has been signed or not).
- (Q) Def. > 1x: Defaulted treatment and NFA in conference with MO for more than one time.
- (R) AMA: Treatment cases who have signed AMA, excluding those who are to be classified under items (O) or (P).

Complete defaulter:

- (S) < 2m: Defaulted treatment for less than 2 months, and NFA in conference with MO for the first time.
- (T) > 2m, < 3m: Defaulted treatment for more than 2 months but less than 3 months, and NFA in conference with MO for the first time..
- (U) > 3m: Defaulted treatment for more than 3 months, and NFA in conference with MO for the first time.
- (V) % = (S + T + U)/(A + B + C + D + E + F G K L M Q W)

No. still on Rx c/f:

(W) - Number of treatment cases in hand at the end of the month = (A + B + C + D + E + F) – (G + H + I + K + L + M + N + O + P + Q + R + S + T + U)

Unsup. Rx:

 Treatment cases with all anti-TB drugs supplied (not even taken one dose at chest clinic) and unsupervised. Count under this item if this happens within the first 2 month of treatment.

Incomp. super. Rx:

- (Y) Treatment incompletely supervised, including:
 - Treatment supervised by non-clinic staff, e.g., CNS, old aged home staff, Vietnamese camp, prison.
 - Drug supplied to patient or relatives.

Count under this item if this happens within the first 2 months of treatment.

No. def. > 2m, < 3m:

 Number of defaulters who have defaulted treatment for more than 2 months but less than 3 months, but not yet NFA in conference with MO. (NB: No cases who have been counted under this item in the last month will be counted again under this item for the subsequent months.)

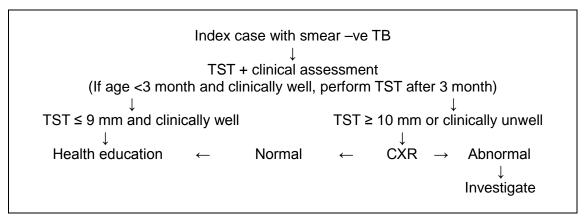
This item needs to be counted only on the last working day of the month when completing the monthly treatment return.

Appendix 21 (a)

Scheme for Investigation of Close Contacts (Household) in the Tuberculosis & Chest Service, Department of Health

| Scenario | Strategy |
|--|---|
| Index case is smear-negative and the close contact < 5 years old | Tuberculin skin test, with chest X-ray if the test reads 10 mm or more. |
| Index case is smear-negative and the close contact aged 5 years or more | Chest X-ray |
| Index case is smear-positive and the close contact < 35 years old | Chest X-ray and tuberculin skin test, with treatment of latent TB infection if appropriate. |
| Index case is smear-positive and the close contact aged 35 years or more | Chest X-ray, with tuberculin skin test and treatment of latent TB infection after assessment on a case-by-case basis. |

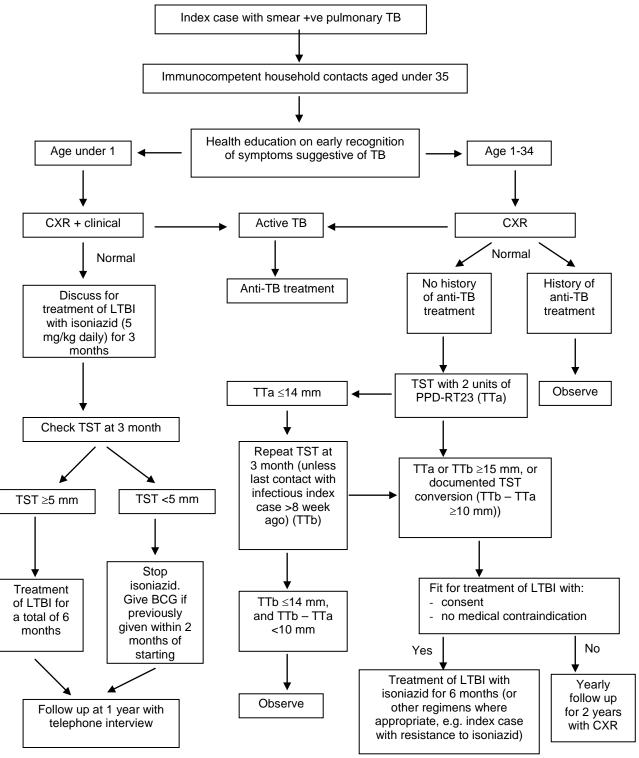
Flow chart for contact investigation of close contacts aged below 5 with smear negative index case *



* If the index case has smear-negative TB and the close contact case is aged below five, the contact case is first evaluated by tuberculin skin test alongside clinical assessment. If the contact case is aged below 3 months and clinically well, the tuberculin test can be postponed until the contact case is 3 months old. If the contact case is clinically well and the tuberculin skin test result is 9 mm or less, health education is all that is required. If the contact case is clinically unwell or the tuberculin skin test result is 10 mm or more, chest X-ray is taken. If chest X-ray is normal, only health education is required. Otherwise, further investigation may be considered.

Appendix 21 (b)

<u>Tuberculin Testing (TST) And Treatment Of Latent Tuberculosis Infection (LTBI)</u> <u>Among Immunocompetent Household Contacts Aged Under 35</u> Of Smear-positive Pulmonary Tuberculosis (TB) Patients *



^{*} After finding an index case with smear-positive pulmonary TB, tuberculin testing should be arranged for immunocompetent household contacts aged under 35. All of them should receive health education on early recognition of symptoms suggestive of TB in addition to chest X-ray examination. If active TB is likely, consider anti-TB treatment. If chest X-ray is normal, further management depends on the age.

For infants (aged under 1) with normal chest X-ray, if clinical assessment is also normal, discuss for treatment of latent TB infection with isoniazid 5 mg per kg daily for three months. Tuberculin skin test (TST) is to be done at 3 months. A TST response of 5 mm or more indicates that treatment of latent TB infection should be given for a total of 6 months. If TST response is below 5 mm, stop isoniazid. Additionally, repeat BCG vaccination if it has been given within 2 months before starting isoniazid. All infants are followed up at one year by telephone interview.

For contacts aged 1-34 with normal chest X-ray, consider observation in the presence of a history of anti-TB treatment. In the absence of such a history, arrange TST with 2 units of PPD-RT23 (TTa). If response to TTa is 14 mm or less, repeat TST 3 months later (TTb) unless TTa is done more than 8 weeks after the last contact with the infectious index case. If response to TTb is 14 mm or less, or the difference between TTb and TTa is less than 10 mm, consider observation. On the other hand, if response to TTa or TTb is at least 15 mm, or TST conversion is documented with a difference of at least 10 mm between TTb and TTa, consider treatment of latent TB infection with isoniazid for 6 months, after obtaining consent and excluding medical contraindications. Other alternative preventive treatment regimens may also be given where appropriate, for example, presence of bacillary resistance to isoniazid in the index case. If the contact is unfit for preventive treatment, arrange yearly follow up with chest X-ray for two years.

APPENDIX 21 (c)

Examination of Contacts in the Chest Clinics 2007

| | Particulars | Smear Positive Index Cases | Smear Negative Index Cases | Total |
|-----|--|---|--|--|
| | No. of patients (new & old) listed | 1471 | 3579 | 5050 |
| | No. of contacts listed | 3806 | 9275 | 13081 |
| | Number of contacts x-rayed | 3780 (100.00%) | 9027 (100.00%) | 12807 (100.00%) |
| (a) | Results NSD & Unknown | 3378 (89.37%) | 8005 (88.68%) | 11383 (88.88%) |
| (b) | Disease other than TB | 232 (6.14%) | 648 (7.18%) | 880 (6.87%) |
| (c) | Inactive respiratory TB | 105 (2.78%) | 259 (2.87%) | 364 (2.84%) |
| (d) | Active respiratory TB (radiologically) | 19 (0.50%) | 35 (0.39%) | 54 (0.42%) |
| | A (bacteriogically) B (incomplete) | 11 (0.29%) > 33 (0.87%) 3 (0.08%) | 14 (0.16%) > 52 (0.58%) 3 (0.03%) | 25 (0.20%) > 85 (0.66%) 6 (0.05%) |
| (e) | Nton-respiratory TB | 3 (0.08%) | 4 (0.04%) | 7 (0.05%) |
| (f) | Result not yet known | 29 (0.77%) | 59 (0.65%) | 88 (0.69%) |

APPENDIX 22 (a)

Scheme for BCG Administration in Hong Kong, 2007

| <u>Рор</u> і | ulation Group | <u>Procedures</u> |
|-------------------------------------|--|---|
| Newborns | | Direct BCG with intradermal method |
| Children under | Negative BCG history and negative BCG scar | Direct BCG with intradermal method (since September 2000) |
| the age of 15 | BCG history and / or BCG scar | No action |
| Primary School Children (aged 6-10) | | BCG revaccination programme stopped since September 2000 |

Notes: (1) Freeze dried BCG from Statens Serum Institut of Denmark being used

(2) Any child with symptoms and/or BCG complications should be seen by a doctor

APPENDIX 22 (b)

BCG Vaccinations at Birth 2007

| | Institution | No. of Live-births | BCG Vaccination | % Vaccinated |
|-------------------|--------------------------------|--------------------|-----------------|--------------|
| Hospital under | P.Y. Nethersole East | 3829 | 3804 | 99.3 |
| HA management | Queen Mary | 4229 | 4130 | 97.7 |
| | Canossa | 1736 | 1720 | 99.1 |
| | H.K. Adventist | 1369 | 1353 | 98.8 |
| Private Hospital | H.K. Sanatorium | 1806 | 1796 | 99.4 |
| | Matilda International | 1104 | 969 | 87.8 |
| | St. Paul's | 3087 | 3055 | 99.0 |
| Total (HK Island) | | 17160 | 16827 | 98.1 |
| Hospital under | Kwong Wah | 5378 | 5321 | 98.9 |
| HA management | Queen Elizabeth | 5839 | 5843 | 100.1 * |
| | United Christian | 4739 | 4726 | 99.7 |
| Private Hospital | H.K. Baptist | 8789 | 8657 | 98.5 |
| Frivate Flospital | St. Teresa's | 6773 | 6698 | 98.9 |
| Total (Kowloon) | | 31518 | 31245 | 99.1 |
| | Alice H.M.L. Nethersole | - | - | - |
| Hospital under | Prince of Wales | 6034 | 6030 | 99.9 |
| HA management | Princess Margaret | 4259 | 4232 | 99.4 |
| | Tuen Mun | 5388 | 5378 | 99.8 |
| Duivete Heavitel | T.W. Adventist | 2025 | 1995 | 98.5 |
| Private Hospital | Shatin Int'l Medical Ctr Union | 4518 | 4463 | 98.8 |
| Total (NT Areas) | | 22224 | 22098 | 99.4 |
| Mother & Child He | alth Centre | - | 275 | - |
| Grand Total | | 70902 | 70445 | 99.4 |

Note: * Including vaccinations of live births transferred from other maternity institutions and vaccinations of live births at end of 2006

| Vaccination Method 2007 | Percentage |
|-------------------------|------------|
| Intradermal | 100.0 |
| Percutaneous | 0.0 |

APPENDIX 23 TB Beds in Public Services, 2007

| | Hospital | No. of TB Beds |
|-----------------------|----------------------------|----------------|
| | Grantham Hospital | 154 |
| Hanital | Kowloon Hospital | 110 |
| Hospital Authority | Ruttonjee Hospital | 155 |
| | Haven of Hope Hospital | 125 |
| | Wong Tai Sin Hospital | 95 |
| | Total (Hospital Authority) | 639 |
| Custody | Stanley Prison Hospital | 20 |
| | Grand Total (2007) | 659 |
| | Grand Total (2006) | 667 |
| | Grand Total (2005) | 686 |

Annual Admissions to Hospitals from Government Chest Clinics 1996 - 2007

| Year | Total Admissions |
|------|------------------|
| | |
| 1996 | 4607 |
| 1997 | 4597 |
| 1998 | 4709 |
| 1999 | 5012 |
| 2000 | 5408 |
| 2001 | 5317 |
| 2002 | 5183 |
| 2003 | 4603 |
| 2004 | 4986 |
| 2005 | 4435 |
| 2006 | 4571 |
| 2007 | 4038 |
| | |

| Admissions by Clinic | Year 2007 |
|---------------------------|-----------|
| | |
| East Kowloon | 269 |
| Kowloon | 281 |
| Sai Ying Pun | 401 |
| Shaukeiwan | 219 |
| Shaukeiwan Pneumoconiosis | 66 |
| Shek Kip Mei | 313 |
| South Kwai Chung | 384 |
| Tai Po | 69 |
| Tung Chung | 31 |
| Wanchai | 508 |
| Yan Oi | 486 |
| Yaumatei | 342 |
| Yuen Chau Kok | 210 |
| Yung Fung Shee | 278 |
| Cheung Chau | 12 |
| NT Unit | 169 |
| Total | 4038 |

Unlinked Anonymous Screening (UAS) for HIV in TB & Chest Service (2007)

| <u>Age</u> | <u>Male</u> | <u>Female</u> | <u>Total</u> |
|-----------------|-------------|---------------|--------------|
| < 20 | 11 | 13 | 24 |
| 20-29 | 51 | 62 | 113 |
| 30-39 | 53 (2) | 53 (1) | 106 (3) |
| 40-49 | 72 (3) | 70 (1) | 142 (4) |
| 50-59 | 119 (1) | 49 | 168 (1) |
| ≥ 60 | 224 (2) | 76 (1) | 300 (3) |
| Unknown Age | 4 | 5 | 9 |
| Unknown Sex/Age | - | - | 25 |
| Total | 534 (8) | 328 (3) | 887 (11) |

UAS for HIV in TB & Chest Service (1990 to 2007)

| <u>Period</u> | <u>Category</u> | <u>Sample</u> | | nber Tested +ve) (% +ve) |
|-------------------|-----------------|---------------|------|-----------------------------|
| 1.12.90 - 31.1.91 | Outpatient | Blood | 1548 | |
| 5.6.91 - 5.8.91 | Inpatient | Blood | 485 | |
| 1.4.92 - 30.6.92 | Outpatient | Blood | 1469 | (2) (0.14%) |
| 1.4.93 - 30.6.93 | Outpatient | Blood | 1173 | , , , |
| Sep 95 – Nov 95 | Outpatient | Urine | 895 | (2) (0.22%) |
| Sep 96 – Dec 96 | Outpatient | Urine | 998 | (4) (0.40%) |
| Oct 97 – Jan 98 | Outpatient | Urine | 1003 | (2) (0.20%) |
| Oct 98 – Jan 99 | Outpatient | Urine | 833 | (4) (0.48%) |
| Sep 99 – Dec 99 | Outpatient | Urine | 1166 | (8) (0.69%) |
| Sep 00 – Dec 00 | Outpatient | Urine | 1018 | (5) (0.49%) |
| Oct 01 – Dec 01 | Outpatient | Urine | 1071 | (4) (0.37%) |
| Oct 02 – Jan 03 | Outpatient | Urine | 1000 | (8) (0.80%) |
| Nov 03 – Feb 04 | Outpatient | Urine | 920 | (6) (0.65%) |
| Oct 04 – Feb 05 | Outpatient | Urine | 1056 | (9) (0.85%) |
| Nov 05 – Jan 06 | Outpatient | Urine | 841 | (7) (0.83%) |
| Nov 06 – Feb 07 | Outpatient | Urine | 841 | (5) (0.59%) |
| Nov 07 – Feb 08 | Outpatient | Urine | 887 | (11) (1.24%) |

Number of 'Confirmed' cases of TB in health care staff Notified to Labour Department (1993 – 2007)

| Year | Number |
|------|--------|
| 1993 | 0 |
| 1994 | 1 |
| 1995 | 2 |
| 1996 | 2 |
| 1997 | 10 |
| 1998 | 39 |
| 1999 | 57 |
| 2000 | 39 |
| 2001 | 41 |
| 2002 | 29 |
| 2003 | 30 |
| 2004 | 42 |
| 2005 | 30 |
| 2006 | 18 |
| 2007 | 16 |

'Confirmed' Cases of TB in Health Care Staff Notified to Labour Department (2007) by Age and Job Title

| Age Group | Doctor | Nurse | Other Allied Health Professional | Other Supporting Staff | Total |
|--------------|--------|-------|--|------------------------------|-------|
| 20 – 24 | | 1 | | | 1 |
| 25 – 29 | | | 1 | | 1 |
| 30 – 34 | | 3 | | | 3 |
| 35 – 39 | | 4 | | | 4 |
| 40 – 44 | 1 | 3 | | | 4 |
| 45 – 49 | | 2 | | | 2 |
| 50 – 54 | | | | | 0 |
| 55 – 59 | | 1 | | | 1 |
| 60 – 64 | | | | | 0 |
| 65 – 69 | | | | | 0 |
| Total | 1 | 14 | 1 | | 16 |

Appendix 27 (a) **Cohort of TB Patients in 2006**

| | | DOTS | non-DOTS | Total |
|---|---|-------|----------|-------|
| Α | New pulmonary smear-positive | 1238 | 299 | 1537 |
| В | New pulmonary smear-negative | 2224 | 534 | 2758 |
| С | New pulmonary smear-unknown/not done | 66 | 84 | 150 |
| D | New extrapulmonary | 548 | 149 | 697 |
| Ε | Other NEW cases not in lines A-D | 0 | 0 | 0 |
| F | Relapse (pulmonary smear and or culture-positive) | 312 | 82 | 394 |
| G | Treatment after failure (pulmonary smear and or culture-positive) | 0 | 1 | 1 |
| Н | Treatment after default (pulmonary smear and or culture-positive) | 25 | 2 | 27 |
| 1 | Other re-treatment cases not in lines F-H | 172 | 30 | 202 |
| J | Other, not in lines A-I (i.e., history unknown) | 0 | 0 | 0 |
| | Total | 4,585 | 1,181 | 5766 |
| K | New pulmonary lab-confirmed cases | 2494 | 743 | 3237 |
| L | Total number of TB cases in 2006 | 5 | 766 | |

Note (1): "Pulmonary TB" includes cases with both pulmonary and extrapulmonary involvement. "Extrapulmonary TB" refers to those with extrapulmonary but without pulmonary involvement.

Note (2): New pulmonary lab-confirmed cases are bacteriologically confirmed cases by smear or culture.

| DOTS | 0-4 | 5-14 | 0-14 | 15–24 | 25-34 | 35–44 | 45–54 | 55–64 | 65+ |
|---------------|---------------|-------------|-------------|--------------|------------|-------------|-------------|------------|-----------|
| Male | 0 | 1 | 1 | 68 | 73 | 118 | 156 | 137 | 320 |
| Female | 1 | 7 | 8 | 54 | 75 | 59 | 45 | 37 | 87 |
| Non-DOTS | | - | • | | <u> </u> | • | • | • | ' |
| Male | 0 | 2 | 2 | 7 | 11 | 17 | 18 | 24 | 119 |
| Female | 0 | 1 | 1 | 5 | 22 | 14 | 9 | 5 | 45 |
| | | | | | | | | | |
| New pulmonary | / smear-negat | ive/smear- | unknown/s | mear-not d | one TB cas | es, 2006 ca | lendar year | (number of | patients) |
| DOTS | 0-4 | 5-14 | 0-14 | 15–24 | 25–34 | 35–44 | 45–54 | 55–64 | 65+ |
| Male | 0 | 9 | 9 | 103 | 157 | 160 | 229 | 234 | 616 |
| Female | 0 | 10 | 10 | 112 | 170 | 144 | 88 | 63 | 195 |
| Non-DOTS | | _ | | | | | | | |
| Male | 0 | 4 | 4 | 7 | 20 | 27 | 35 | 45 | 272 |
| Female | 2 | 4 | 6 | 17 | 23 | 19 | 21 | 13 | 109 |
| | | | | | | | | | |
| New extrapulm | onary TB case | es, 2006 ca | lendar yeaı | r (number of | patients) | | | | |
| DOTS | 0-4 | 5-14 | 0-14 | 15–24 | 25–34 | 35–44 | 45–54 | 55–64 | 65+ |
| Male | 0 | 0 | 0 | 26 | 27 | 31 | 27 | 28 | 63 |
| Female | 0 | 2 | 2 | 27 | 61 | 66 | 73 | 51 | 66 |
| Non-DOTS | | | | | | | | | |
| Male | 2 | 0 | 2 | 1 | 8 | 9 | 9 | 15 | 38 |
| Female | 0 | 2 | 2 | 3 | 14 | 12 | 6 | 4 | 26 |

Appendix 27 (b) Cohorts of TB Patients

Treatment outcomes for cases registered in 2006 calendar year (number of patients)

| DOTS | of cases registered | Cured | Completed | Died | Failed | Defaulted | Transferred out | Total |
|---|------------------------|----------|-----------|------|--------|-----------|-----------------|-------|
| New pulmonary smear-positive | 1238 | 894 | 74 | 62 | 133 | 41 | 27 | 1231 |
| New pulmonary smear-negative/unknown/not done | 2290 | $>\!\!<$ | 1803 | 131 | 160 | 104 | 81 | 2279 |
| New extrapulmonary | 548 | | 407 | 15 | 69 | 21 | 30 | 542 |
| Relapse (pulmonary smear and/or culture-positive) | 312 | 211 | 22 | 18 | 32 | 18 | 4 | 305 |
| Treatment after failure (pulmonary smear and or culture-positive) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Treatment after default (pulmonary smear and or culture-positive) | 25 | 5 | 1 | 3 | 6 | 8 | 1 | 24 |
| Other re-treatment | 172 | 21 | 105 | 5 | 29 | 8 | 3 | 171 |
| non-DOTS | | • | • | • | • | • | • | Total |
| New pulmonary smear-positive | 299 | 10 | 3 | 7 | 2 | 0 | 5 | 27 |
| New pulmonary smear-negative/unknown/not done | 618 | $>\!<$ | 47 | 16 | 4 | 0 | 4 | 71 |
| New extrapulmonary | 149 | | 3 | 0 | 0 | 1 | 1 | 5 |
| Relapse (pulmonary smear and/or culture-positive) | 82 | 2 | 10 | 3 | 1 | 0 | 5 | 21 |
| Treatment after failure (pulmonary smear and or culture-positive) | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Treatment after default (pulmonary smear and or culture-positive) | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other re-treatment | 30 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |

Note: For those under DOTS, the treatment success rate (as at 12 month) for new pulmonary smear-positive cases is 78.6% [(894+74)/1231]. Among the 133 cases "failed", all of them were still on treatment at 12 m, with 123 sputum smear converted negative at 7 m, 5 sputum smear still positive at 7 m, and 5 unknown.

Treatment outcomes for HIV-positive TB cases registered in 2006 calendar year (number of patients)

New pulmonary smear-positive

New pulmonary smear-negative/unknown/not done

New extrapulmonary

Relapse (pulmonary smear and/or culture-positive)

Treatment after failure (pulmonary smear and or culture-positive)

Treatment after default (pulmonary smear and or culture-positive)

Other re-treatment

All TB cases

| Total number of cases | | | | | | Transferred | |
|-----------------------|--------------|-----------|------|--------|-----------|-------------|-------|
| registered | Cured | Completed | Died | Failed | Defaulted | out | Total |
| 16 | 13 | 0 | 1 | 0 | 1 | 1 | 16 |
| 9 | \mathbb{X} | 6 | 1 | 0 | 1 | 1 | 9 |
| 8 | \mathbb{N} | 6 | 2 | 0 | 0 | 0 | 8 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 36 | 14 | 12 | 5 | 0 | 2 | 3 | 36 |

Final treatment outcomes for MDR-TB cases registered in 2004 calendar year (number of patients)

| | Total number | | | | | | | | |
|--------------------|--------------|-------|-----------|------|--------|-----------|-------------|-----------|-------|
| GLC-approved | of cases | | | | | | Transferred | Still on | Total |
| GLC-approved | registered | Cured | Completed | Died | Failed | Defaulted | out | treatment | Total |
| New cases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Re-treatment cases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other cases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | |
| Other | | | | | | | | | |
| New cases | 19 | 12 | 0 | 2 | 1 | 1 | 3 | 0 | 19 |
| Re-treatment cases | 13 | 5 | 0 | 3 | 0 | 2 | 3 | 0 | 13 |
| Other cases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Interim treatment outcomes for MDR-TB cases registered in 2005, 2006 and 2007 calendar year(number of patients)

| GLC-approved All cases registered in 2005 All cases registered in 2006 All cases registered in 2007 | Total number of cases registered 0 0 | Cured 0 0 | Completed 0 | Died 0 | Failed 0 | Defaulted 0 | Transferred out 0 | Still on treatment 0 | Total 0 0 |
|---|--------------------------------------|-----------------|-------------|-----------|----------|-------------|-------------------|----------------------|-----------------|
| Other | | I | -1 | | | -1 | -1 | -1 | |
| All cases registered in 2005 | 22 | 15 | 0 | 1 | 1 | 2 | 3 | 0 | 22 |
| All cases registered in 2006 | 34 | 15 | 0 | 6 | 0 | 2 | 7 | 4 | 34 |
| All cases registered in 2007 | 25 | $>\!\!<$ | $>\!\!<$ | $>\!<$ | $>\!\!<$ | $>\!\!<$ | >< | $>\!\!<$ | |

Part 2 PNEUMOCONIOSIS

Part 2 - Pneumoconiosis: Contents

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- 1 New Cases of Suspected Pneumoconiosis attending the Pneumoconiosis Clinic in Hong Kong 1956-2007
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- 7 Pneumoconiosis Patients with Tuberculosis 2007
- 8 Confirmed Pneumoconiosis Patients by Other Particulars 2007

New Cases of Suspected Pneumoconiosis attending the Pneumoconiosis Clinic in Hong Kong 1956 - 2007

| | | Nu | mber of New Cases Undergo | oing Assessment | | |
|------|-----------------------|---------------------------|---------------------------|---------------------|---------------------------|------|
| Year | Government Workers | Non-government Workers | Total | Cumulative Total | Cumulativ Compen R1 | |
| 1956 | 1 | _ | 1 | 1 | IXI | IXZ |
| 1957 | 4 | 4 | 8 | 9 | | |
| 1958 | 9 | 13 | 22 | 31 | | |
| 1959 | 5 | 7 | 12 | 43 | | |
| 1960 | 9 | 6 | 15 | 58 | | |
| 1961 | 8 | O | 8 | 66 | | |
| 1962 | 3 | 1 | 4 | 70 | | |
| 1963 | 9 | 5 | 14 | 84 | | |
| 1964 | 21 | 17 | 38 | 122 | | |
| 1965 | 9 | 4 | 13 | 135 | | |
| 1966 | 7 | 9 | 16 | 151 | | |
| 1967 | 3 | 6 | 9 | 160 | | |
| 1968 | 4 | 2 | 6 | 166 | | |
| 1969 | 4 | 10 | 14 | 180 | | |
| 1970 | 22 | 36 | 58 | 238 | | |
| 1971 | 9 | 18 | 27 | 265 | | |
| 1972 | 9 | 29 | 38 | 303 | | |
| 1973 | 3 | 39 | 42 | 345 | | |
| 1974 | _ | 97 | 97 | 442 | | |
| 1975 | 5 | 84 | 89 | 531 | | |
| 1976 | 15 | 252 | 267 | 798 | | |
| 1977 | 3 | 216 | 219 | 1017 | | |
| 1978 | 12 | 207 | 219 | 1236 | | |
| 1979 | 2 | 210 | 212 | 1448 | | |
| 1980 | 12 | 532 (a) | 544 | 1992 | 386 (a) | _ |
| 1981 | 8 | 608 | 616 | 2608 | 1332 | 162 |
| 1982 | 4 | 511 | 515 | 3123 | 1434 | 634 |
| 1983 | 2 | 292 | 294 | 3417 | 1469 | 945 |
| 1984 | 1 | 231 | 232 | 3649 | 1477 | 1140 |
| 1985 | 1 | 179 | 180 (b) | 3829 | 1479 | 1322 |
| 1986 | 3 | 176 | 179 (3) | 4008 | 1485 | 1513 |
| 1987 | 4 | 166 | 170 (2) | 4178 | 1485 | 1679 |
| 1988 | 6 | 172 | 178 (4) | 4356 | 1488 | 1877 |
| 1989 | - | 156 | 156 (1) | 4512 | 1488 | 2023 |
| 1990 | 2 | 147 | 149 (1) | 4661 | 1489 | 2142 |
| 1991 | - | 171 | 171 (1) | 4832 | 1489 | 2151 |
| 1992 | 2 | 171 | 173 (3) | 5005 | 1490 | 2340 |
| 1993 | 2 | 247 | 249 (4) | 5254 | 1492 | 2492 |
| 1994 | - | 327 | 327 (7) | 5581 | 1493 | 2770 |
| 1995 | 9 | 245 | 254 (9) | 5835 | 1494 | 3000 |
| 1996 | 4 | 193 | 197 (9) | 6032 | 1494 | 3119 |
| 1997 | 4 | 154 | 158 (7) | 6190 | 1494 | 3242 |
| 1998 | 2 | 197 | 199 (5) | 6389 | 1494 | 3351 |
| 1999 | - | 291 | 291 (15) | 6680 | 1494 | 3505 |
| 2000 | 3 | 235 | 238 (11) | 6918 | 1494 | 3619 |
| 2001 | 6 | 230 | 236 (9) | 7154 | 1494 | 3751 |
| 2002 | 3 | 212 | 215 (9) | 7369 | 1494 | 3868 |
| 2003 | 3 | 142 | 145 (6) | 7514 | 1494 | 3948 |
| 2004 | 3 | 138 | 141 (4) | 7655 | 1494 | 4021 |
| 2005 | - | 134 | 134 (2) | 7789 | 1494 | 4091 |
| 2006 | - | 278 | 278 (7) | 8067 | 1494 | 4207 |
| 2007 | <u> </u> | 120 | 120 (c) (2) | 8187 | 1494 (d) | 4276 |

Notes:

- (a) The Pneumoconiosis Compensation Scheme was initiated in 1980, before that reporting were voluntary.
- (b) The figures in this column denote the number of patient with asbestos-related lung disease.
- (c) Up to the moment that this report is being compiled, only 69 of the 120 cases in 2007 had been assesed and confirmed pneumoconiosis by the Pneumoconiosis Medical Board. And the following tables (Appendix 2 to Appendix 8) are compiled basing on the data of these 69 cases.
- (d) Under Revised Ordinance 1993: 583 out of 1494 pneumoconiotics had joined the pneumoconiosis ex-gratia scheme up to the year 2007. 178 living pneumoconiotics were each receiving a monthly ex-gratia payment of \$4710.00 in 2007.

APPENDIX 2

Age Distribution of Pneumoconiosis Cases 2007

| Age | | Number of Cases | % |
|-------|----|-----------------|-----|
| 25 - | 29 | - | - |
| 30 - | 34 | - | - |
| 35 - | 39 | - | - |
| 40 - | 44 | - | - |
| 45 - | 49 | 2 | 3 |
| 50 - | 54 | 19 | 27 |
| 55 - | 59 | 13 | 19 |
| 60 - | 64 | 12 | 17 |
| 65 - | 69 | 9 | 13 |
| 70 - | 74 | 6 | 9 |
| 75+ | | 8 | 12 |
| Total | | 69 | 100 |

APPENDIX 3

Occupation Distribution of Confirmed Pneumoconiosis 2007

| Type of Occupation | Number of Cases | % |
|---|-----------------|---------------|
| Construction Construction/Quarry Others | 55 5 9 | 80 7 13 |
| Total | 69 | 100 |

APPENDIX 4

Pneumoconiosis Patients by Duration of Exposure to Dust 2007

| Duration | Number of Cases | % |
|----------|-----------------|-----|
| <5 years | - | - |
| 5 - 9 | 1 | 1 |
| 10 - 14 | 2 | 3 |
| 15 - 19 | 10 | 15 |
| 20 - 24 | 12 | 17 |
| 25 - 29 | 23 | 33 |
| 30+ | 21 | 31 |
| Unknown | - | - |
| Total | 69 | 100 |

Pneumoconiosis Patients by Degree of Incapacity 2007

| Degree of Incapacity (%) | No. of New Cases Compensated under Compensation Ordinance |
|--------------------------|--|
| 5 | 43 |
| 10 | 13 |
| 15 | 6 |
| 20 | 1 |
| 25 | 2 |
| 30 | - |
| 35 | - |
| 40 | - |
| 45 | 1 |
| 50 | - |
| 55 | - |
| 60 | 1 |
| 70 | - |
| 75 | 1 |
| 80 | - |
| 100 | - |
| N. A. | 1 |
| Total | 69 |

Confirmed Pneumoconiosis Patients <u>Classified by Radiological Appearance 2007</u>

| Type of Opacity | | Profusion | | - Sub-Total |
|------------------------------|----|-----------|---|-------------|
| Туре от Ораспу | 1 | 2 | 3 | - Sub-Total |
| Small opacities | | | | |
| Rounded | | | | |
| p (up to 1.5 mm diameter) | 16 | - | - | 16 |
| q (1.5 to 3.0 mm diameter) | 34 | 8 | - | 42 |
| r (3.0 to 10.0 mm diameter) | - | 3 | - | 3 |
| <u>Irregular</u> | | | | |
| s (fine irregular or linear) | - | - | - | - |
| t (medium irregular) | 6 | - | - | 6 |
| u (coarse irregular) | 1 | - | - | 1 |
| Sub-total | 57 | 11 | - | 68 |
| Combined opacities | - | - | - | - |
| <u>N. A.</u> | - | - | - | 1 |
| Total | | | | 69 |

4 out of the 69 patients have large opacities as follows :

| La | rge opacities | |
|----|--|---|
| А | (Single opacity 1 - 5 cm or multiple opacities > 1 cm each but sum of diameter < 5 cm) | 4 |
| В | (Single or multiple opacities with combined area < the equivalent of right upper zone) | - |
| С | (Single or multiple opacities with combined area > the equivalent of right upper zone) | - |
| Тс | otal | 4 |

Appendix 7

Pneumoconiosis Patients with Tuberculosis 2007

| Type of T.B. | Number of Cases | % |
|--------------------------|-----------------|-----|
| Bacteriological Positive | 1 | 1 |
| Bacteriological Negative | 46 | 67 |
| No T.B. | 21 | 31 |
| N.A. | 1 | 1 |
| Total | 69 | 100 |

Appendix 8

Confirmed Pneumoconiosis Patients by Other Particulars 2007

| Characte | eristics | Number of Cases | % |
|-------------------------------|------------------|-----------------|-----|
| | Smoker/Ex-smoker | 57 | 83 |
| Smaking | Non-smoker | 11 | 16 |
| Smoking | Unknown | 1 | 1 |
| | Total | 69 | 100 |
| Still exposed to dust | Yes | 22 | 32 |
| when seen by the | No | 46 | 67 |
| Pneumoconiosis Clinic Unknown | | 1 | 1 |
| | Total | 69 | 100 |
| Good | | 64 | 93 |
| | Fair | 4 | 6 |
| General Condition | Poor | - | - |
| | Died | 1 | 1 |
| | Total | 69 | 100 |

Part 3

ANNEX

Part 3 - Annex: Contents

Annex

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Annex 1 (a)

Treatment Outcomes up to 2 year of the 2004 Cohort of TB Patients

A total of 6226 cases of TB were notified in the year 2004. Among them, 5001 were ever seen at chest clinics (ES) while 1225 were never seen at chest clinics (NS). They are categorised as follows:

| Categories | | ES | % | NS | % | ES/NS | % |
|------------|---|------|-------|------|-------|-------|-------|
| (A) | New pulmonary, smear positive | 1314 | 26.3 | 258 | 21.1 | 1572 | 25.2 |
| (B) | New pulmonary, smear negative | 2332 | 46.6 | 505 | 41.2 | 2837 | 45.6 |
| (C) | New pulmonary, smear not done/ unknown | 180 | 3.6 | 167 | 13.6 | 347 | 5.6 |
| (D) | New extra-pulmonary | 529 | 10.6 | 143 | 11.7 | 672 | 10.8 |
| (E) | Relapse pulmonary, smear positive | 175 | 3.5 | 46 | 3.8 | 221 | 3.5 |
| (F) | Pulmonary smear-positive retreatment after failure or default | 13 | 0.3 | 1 | 0.1 | 14 | 0.2 |
| (G) | Other retreatment cases (not included in E and F) [i.e., including relapses (pulmonary, smear negative or unknown or not done; and extrapulmonary) and retreatment after failure or default (pulmonary, smear negative or unknown or not done; and extrapulmonary)] | 458 | 9.2 | 105 | 8.6 | 563 | 9.0 |
| Total | | 5001 | 100.0 | 1225 | 100.0 | 6226 | 100.0 |

Analysis has been done on this cohort of patients and the results are shown in the following Annexes:

| | Various age groups (0-19), (20-39), (40-59), (60+), and all age groups |
|---------------|--|
| | |
| Annex 1 (b) | for (i) ES/NS (cases ever or never seen at chest clinics) - sheet 01 to 09 |
| Alliex I (b) | (ii) ES (cases ever seen at chest clinics) - sheet 01 to 03 |
| | (iii) NS (cases never seen at chest clinics) - sheet 01 to 03 |
| Annex 1 (c) | Pulmonary pretreatment smear positive, pretreatment culture positive, and MDR-TB cases |
| Alliex I (c) | for ES/NS (cases ever or never seen at chest clinics) - sheet 01 to 08 |
| Annex 1 (d) | New pulmonary smear positive and retreatment pulmonary smear positive cases |
| Affilex 1 (u) | for ES/NS (cases ever or never seen at chest clinics) - sheet 01 to 02 |
| Annex 1 (e) | Treatment defaulters (outcome at 2 year = defaulting) |
| Alliex I (e) | for ES/NS (cases ever or never seen at chest clinics) - sheet 01 to 05 |
| Annex 1 (f) | Sources completing Programme Forms PFA, PFB1, PFB2, PFC, and PFD |

| Annov 1 (g) | Sample of the set of "Programme Forms" (PFA, PFB1, PFB2, PFC, and PFD) used for the cohort of |
|-------------|---|
| Annex i (g) | patients in 2004 |

Discussion

Annex 1 (b) - Various age groups

Among the total of 6226 patients, 220 (3.5%) were aged between 0 and 19, 1519 (24.4%) between 20 and 39, 1735 (27.9%) between 40 and 59, and 2752 (44.2%) above 60. 64.1% were male. 39.1%, 22.9%, and 18.6% were never smokers, ex-smokers, and current smokers respectively. 78.4% were permanent local residents while 79.9% were of Chinese ethnicity. Most of them (75.1%) presented because of symptoms. 10.6% presented as incidental finding to pre-employment, pre-immigration, other body check or incidental to other illness, while 2.1% were diagnosed through contact tracing.

75.2% of patients had pulmonary TB, 11.8% had extra-pulmonary TB and 13.0% had both. TB pleura and TB lymph node accounted for 8.9% and 8.6% of the site of involvement respectively. Among pulmonary TB patients, 35.9% had pretreatment sputum smear +ve, 70.4% had pretreatment culture +ve and 14.7% had cavitary lesion on their chest radiographs.

With regard to co-morbidity factors for TB, 11.3% of TB patients had diabetes mellitus, 4.6% of patients had coexisting malignancy, 0.8% of patients were immuno-suppressed because of either steroid or cytotoxic therapy. HIV infection was reported for 0.5% of cases. 4.2% of all TB patients were reported to be hepatitis B carrier while 0.5% had chronic active hepatitis.

62.2% of patients were on 6 months short course chemotherapy for TB or other standard regimen based on HREZS. Treatment side effect was reported in 42.2% of patients. 15.5% were GI side effects, 13.0% were skin rash, 5.3% had transient rise in liver enzyme and 6.6% had frank hepatitis.

Among the 5001 patients ever seen in chest clinic, 74.9% received >90% DOT in initial 2 months, while 61.1% received >90% DOT in subsequent 4 months. Treatment completion/cure rates at 6 months, 12 months and 24 months were: 29.6%, 79.3% and 87.7% respectively. Death rates at corresponding periods were 3.2%, 5.0% and 5.3% respectively.

Among the 436 patients never seen in chest clinic, 3.3% received >90% DOT in initial 2 months, while 3.1% received >90% DOT in subsequent 4 months. Treatment completion/cure rates at 6 months, 12 months and 24 months were: 1.6%, 3.0% and 3.5% respectively. Death rates at corresponding periods were 1.4%, 1.6% and 1.6% respectively. However, a high percentage of the programme forms of this group of patients were not completed.

Annex 1 (c) – Pulmonary pretreatment smear +ve, culture +ve, and MDR-TB cases

Regarding patients with pulmonary TB, 1807 were pretreatment smear +ve, 3863 were pretreatment culture +ve, and 28 were MDR-TB patients.

In the initial 2 months, over 60% of pretreatment smear +ve or culture +ve patients and 85.7% of MDR-TB received >90% DOT. The corresponding percentages were around 50-60% for all three groups of patients in subsequent 4 months.

Overall sputum smear conversion rate at 2 months were 88.7% for smear +ve patients and 66.7% for MDRTB patients. Culture conversion rate at 2 months were 85.0% for culture +ve patients and 41.2% for MDR-TB patients.

Treatment success rates for smear +ve patients at 6 months, 12 months and 24 months were 19.1%, 65.7% and 72.8% respectively. Those for culture +ve patients were 23.6%, 63.3% and 70.6% respectively. Those for MDR-TB patients were 3.6%, 3.6% and 50.0% respectively. 4 out of 28 MDR-TB patients defaulted treatment at 24 months.

Annex 1 (d) – New and retreatment pulmonary smear +ve cases

Treatment success rates for new pulmonary smear +ve patients at 6 months, 12 months and 24 months were 21.3%, 67.2% and 73.7% respectively. The corresponding treatment success rates for retreatment pulmonary smear +ve patients were 4.3%, 55.7% and 67.2% respectively.

Annex 1 (e) – Treatment defaulters

There were 180 treatment defaulters at 24 months in the 2004 cohort. Majority (65.0%) were aged between 20 to 59, 29.4% worked full time, 5.0% part time, 24.4% retired, and 28.9% unemployed. 80.0% were new case, 12.8% were relapse, 6.7% were retreatment after default cases, and 0.6% were retreatment after failure of previous treatment cases. 35.5% had pretreatment smear +ve and 17.8% had cavitary lesions on the chest radiograph. 65.0% of patients lost contact after default and 10.0% of patients were retreated after default.

Annex 1 (b) - (i) ES/NS (cases ever or never seen at chest clinics) - 01

| Age group | 0 to | 19 | 20 t | o 39 | 40 t | o 59 | 60 | 0+ | Δ | AII |
|---|------|-------|------|--------|------|-------|------|-------|------|-------|
| 7 · · · · · · · · · · · · · · · · · · · | N | % | N | % | N | % | | N % | | % |
| | | 70 | ., | /0 | ., | 70 | - 11 | 70 | N | 70 |
| Female | 124 | 56.4 | 823 | 54.2 | 527 | 30.4 | 764 | 27.8 | 2238 | 35.9 |
| Male | 96 | 43.6 | 696 | 45.8 | 1208 | 69.6 | 1988 | 72.2 | 3988 | 64.1 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| Total | 220 | 100.0 | 1319 | 100.0 | 1735 | 100.0 | 2132 | 100.0 | 0220 | 100.0 |
| Marital status | | | | | | | | | | |
| Single | 185 | 84.1 | 761 | 50.1 | 179 | 10.3 | 137 | 5.0 | 1262 | 20.3 |
| Married | 1 | 0.5 | 516 | 34.0 | 1240 | 71.5 | 1848 | 67.2 | 3605 | 57.9 |
| Separated | 0 | 0.0 | 5 | 0.3 | 16 | 0.9 | 13 | 0.5 | 34 | 0.5 |
| Divorce | 0 | 0.0 | 24 | 1.6 | 67 | 3.9 | 29 | 1.1 | 120 | 1.9 |
| Widowed | 0 | 0.0 | 3 | 0.2 | 10 | 0.6 | 124 | 4.5 | 137 | 2.2 |
| Not recorded | 34 | 15.5 | 210 | 13.8 | 223 | 12.9 | 601 | 21.8 | 1068 | 17.2 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| . 013. | | | | 1.00.0 | | | | | 00 | |
| Smoking status | | | | | | | | | | |
| Never | 152 | 69.1 | 822 | 54.1 | 654 | 37.7 | 809 | 29.4 | 2437 | 39.1 |
| Ex-smoker | 19 | 8.6 | 155 | 10.2 | 338 | 19.5 | 916 | 33.3 | 1428 | 22.9 |
| Current smoker | 16 | 7.3 | 307 | 20.2 | 494 | 28.5 | 338 | 12.3 | 1155 | 18.6 |
| Not recorded | 33 | 15.0 | 235 | 15.5 | 249 | 14.4 | 689 | 25.0 | 1206 | 19.4 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | | 100.0 | | 100.0 |
| | | | | 1 | | | | | | |
| Institution-related | | | | | | | | | | |
| Yes | 161 | 73.2 | 200 | 13.2 | 108 | 6.2 | 507 | 18.4 | 976 | 15.7 |
| No | 50 | 22.7 | 1133 | 74.6 | 1422 | 82.0 | 1808 | 65.7 | 4413 | 70.9 |
| Not recorded | 9 | 4.1 | 186 | 12.2 | 205 | 11.8 | 437 | 15.9 | 837 | 13.4 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| Institution | u. | | | | | | | | | |
| Client | 109 | - | 101 | - | 40 | - | 319 | - | 569 | - |
| Staff | 1 | - | 52 | - | 35 | - | 8 | - | 96 | - |
| Institution type | | 1 | ı | | | | | | ı | |
| Old age home | 39 | - | 14 | - | 20 | - | 330 | - | 403 | - |
| School | 119 | - | 81 | _ | 26 | - | 135 | - | 361 | - |
| Hospital | 0 | _ | 29 | _ | 11 | _ | 9 | _ | 49 | _ |
| Handicapped | 1 | - | 19 | _ | 9 | - | 6 | - | 35 | _ |
| Prison | 0 | - | 33 | _ | 22 | _ | 1 | _ | 56 | _ |
| Others | 2 | _ | 17 | _ | 11 | _ | 8 | _ | 38 | _ |
| Others | | | | l | | | 0 | l | 50 | |
| Living situation | | | | | | | | | | |
| Street-sleeper | 0 | 0.0 | 1 | 0.1 | 8 | 0.5 | 4 | 0.1 | 13 | 0.2 |
| Cubicle bed space | 0 | 0.0 | 1 | 0.1 | 1 | 0.1 | 13 | 0.5 | 15 | 0.2 |
| Institution | 2 | 0.9 | 48 | 3.2 | 33 | 1.9 | 330 | 12.0 | 413 | 6.6 |
| Work quarter | 0 | 0.0 | 38 | 2.5 | 5 | 0.3 | 2 | 0.1 | 45 | 0.7 |
| Alone (not above) | 1 | 0.5 | 88 | 5.8 | 172 | 9.9 | 302 | 11.0 | 563 | 9.0 |
| With friends | 4 | 1.8 | 77 | 5.1 | 27 | 1.6 | 18 | 0.7 | 126 | 2.0 |
| With family | 177 | 80.5 | 1050 | 69.1 | 1272 | 73.3 | 1528 | 55.5 | 4027 | 64.7 |
| Not recorded | 36 | 16.4 | 216 | 14.2 | 217 | 12.5 | 555 | 20.2 | 1024 | 16.4 |
| Not recorded | 30 | 10.4 | 210 | 14.2 | 217 | 12.5 | 333 | 20.2 | 1024 | 10.4 |
| Residential status | | | | | | | | | | |
| Permanent resident | 168 | 76.4 | 1083 | 71.3 | 1456 | 83.9 | 2174 | 79.0 | 4881 | 78.4 |
| Chinese immigrant | 13 | 5.9 | 79 | 5.2 | 30 | 1.7 | 25 | 0.9 | 147 | 2.4 |
| Imported worker | 0 | 0.0 | 125 | 8.2 | 22 | 1.3 | 0 | 0.0 | 147 | 2.4 |
| Tourist - 2 way permit Chinese | 1 | 0.0 | 123 | 1.3 | 6 | 0.3 | 3 | 0.0 | 29 | 0.5 |
| Other tourist | 1 | 0.5 | 19 | 0.1 | 0 | 0.0 | 2 | 0.1 | 4 | 0.5 |
| | | | | | | | | | | |
| Vietnamese | 2 | 0.9 | 8 | 0.5 | 0 | 0.0 | 0 | 0.0 | 10 | 0.2 |
| Illegal immigrants | 0 | 0.0 | 6 | 0.4 | 3 | 0.2 | 0 | 0.0 | 9 | 0.1 |
| Not recorded | 35 | 15.9 | 198 | 13.0 | 218 | 12.6 | 548 | 19.9 | 999 | 16.0 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |

| Age group | | | 20 t | o 39 | 40 t | o 59 | 60+ | | All | |
|-----------------------------------|----------------|----------------------|------------------|----------------------|------------------|---------------|-------------|---------------|-------------|---------------|
| | N | % | N | % | N | % | N | % | N | % |
| | | | | | | | | | | |
| Place of birth | | T | | 1 | ı | 1 | | T | 1 | ı |
| Hong Kong | 136 | 61.8 | 816 | 53.7 | 764 | 44.0 | 401 | 14.6 | 2117 | 34.0 |
| Mainland China | 44 | 20.0 | 319 | 21.0 | 661 | 38.1 | 1619 | 58.8 | 2643 | 42.5 |
| Others | 7 | 3.2 | 197 | 13.0 | 92 | 5.3 | 109 | 4.0 | 405 | 6.5 |
| Not recorded | 33 | 15.0 | 187 | 12.3 | 218 | 12.6 | 623 | 22.6 | 1061 | 17.0 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| Ethnicity | 179 | 81.4 | 1120 | 74.4 | 1.470 | 047 | 2402 | 79.7 | 4072 | 70.0 |
| Chinese Other Asian | 5 | 2.3 | 1130 173 | 74.4 11.4 | 1470 53 | 84.7 3.1 | 2193 14 | 0.5 | 4972 245 | 79.9 3.9 |
| Caucasian | 1 | 0.5 | 1/3 | 0.8 | 5 | 0.3 | 5 | 0.5 | 245 | 0.4 |
| Others | 1 | 0.5 | 8 | 0.6 | 1 | 0.3 | 1 | 0.2 | 11 | 0.4 |
| Not recorded | 34 | 15.5 | 196 | 12.9 | 206 | 11.9 | 539 | 19.6 | 975 | 15.7 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| Total | 220 | 100.0 | 1319 | 100.0 | 1733 | 100.0 | 2132 | 100.0 | 0220 | 100.0 |
| Previous BCG history | | | | | | | | | | |
| Yes | 164 | 74.5 | 860 | 56.6 | 464 | 26.7 | 91 | 3.3 | 1579 | 25.4 |
| No | 3 | 1.4 | 113 | 7.4 | 327 | 18.8 | 909 | 33.0 | 1352 | 21.7 |
| Unknown | 53 | 24.1 | 546 | 35.9 | 944 | 54.4 | 1752 | 63.7 | 3295 | 52.9 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| BCG scar | | | | | | | | | | |
| Yes | 146 | - | 837 | - | 459 | - | 95 | - | 1537 | - |
| No | 37 | - | 426 | - | 990 | - | 1852 | - | 3305 | - |
| Evidence of previous BCG | | | l. | | | <u> </u> | l. | | | |
| BCG history +ve or scar +ve | 172 | 78.2 | 951 | 62.6 | 563 | 32.4 | 129 | 4.7 | 1815 | 29.2 |
| • | - | | | | | | | - | | |
| Employment status | | | | | | | | | | |
| Full-time | 16 | 7.3 | 826 | 54.4 | 692 | 39.9 | 99 | 3.6 | 1633 | 26.2 |
| Part-time | 2 | 0.9 | 63 | 4.1 | 92 | 5.3 | 28 | 1.0 | 185 | 3.0 |
| Retired | 1 | 0.5 | 3 | 0.2 | 91 | 5.2 | 1589 | 57.7 | 1684 | 27.0 |
| Unemployed | 22 | 10.0 | 230 | 15.1 | 429 | 24.7 | 134 | 4.9 | 815 | 13.1 |
| Housewife | 2 | 0.9 | 128 | 8.4 | 204 | 11.8 | 354 | 12.9 | 688 | 11.1 |
| Student | 143 | 65.0 | 69 | 4.5 | 1 | 0.1 | 1 | 0.0 | 214 | 3.4 |
| Not recorded | 34 | 15.5 | 200 | 13.2 | 226 | 13.0 | 547 | 19.9 | | |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| Occupation | | | 1 | 1 | 1 | T | 1 | r | 1 | 1 |
| Blue collar | 8 | 3.6 | 379 | 25.0 | 507 | 29.2 | 106 | 3.9 | 1000 | 16.1 |
| White collar | 7 | 3.2 | 360 | 23.7 | 168 | 9.7 | 18 | 0.7 | 553 | 8.9 |
| Medical | 0 | 0.0 | 5 | 0.3 | 2 | 0.1 | 3 | 0.1 | 10 | 0.2 |
| Nursing | 0 | 0.0 | 21 | 1.4 | 3 | 0.2 | 0 | 0.0 | 24 | 0.4 |
| Paramedical | 0 | 0.0 | 3 | 0.2 | 4 | 0.2 | 0 | 0.0 | 7 | 0.1 |
| Supporting health staff | 1 1 7 7 | 0.5 | 4 | 0.3 | 8 | 0.5 | 3 | 0.1 | 16 | 0.3 |
| Not applicable | 150 | 68.2 | 478 | 31.5 | 755 | 43.5 | 2028 | 73.7 | 3411 | 54.8 |
| Not recorded | 54 | 24.5 | 269 | 17.7 | 288 | 16.6 | 594 | 21.6 | 1205 | 19.4 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| First presentation | | | | | | | | | | |
| First presentation Private doctor | 33 | 15.0 | 220 | 22.3 | 220 | 12.7 | 146 | 5.3 | 755 | 10.1 |
| | | | 338 | | 238 | 13.7 | 146 | | 755 | 12.1 |
| Private hospital GOPC | 7 | 1.8 3.2 | 23 46 | 1.5 3.0 | 25 77 | 1.4 | 17 79 | 0.6 2.9 | 69 | 1.1 |
| Chest Clinic | 33 | 3.2 15.0 | 190 | 12.5 | 276 | 4.4 15.9 | 338 | 12.3 | 209 837 | 3.4 13.4 |
| | 4 | 1.8 | 37 | 2.4 | 276 | 1.6 | | 12.3 | 97 | 1.6 |
| Other DH Clinic | 5 | | 47 | | | 3.7 | 29 87 | | | |
| HA Clinic | | 2.3 | | 3.1 | 65 | | | 3.2 | 204 | 3.3 |
| HA Hospital Mainland | 99 | 45.0 | 631 | 41.5 1.3 | 814 | 46.9 | 1539 | 55.9 | 3083 | 49.5 0.7 |
| LIVIAN NATURE | | 0.9 | 19 | | 12 | 0.7 | 13 | 0.5 | 46 | |
| | 4 | $\sim r$ | 7 | \sim | | (,,,, | | | | |
| Overseas | 1 | 0.5 | 3 | 0.2 | 4 | 0.2 | 500 | 0.1 | 12 | 0.2 |
| | 1 32 220 | 0.5 14.5 100.0 | 3 185 1519 | 0.2 12.2 100.0 | 4 197 1735 | 11.4 100.0 | 500 2752 | 18.2 100.0 | 914 6226 | 14.7 100.0 |

Annex 1 (b) - (i) ES/NS (cases ever or never seen at chest clinics) - 03

| Age group | 0 to 19 | | 20 to 39 | | 40 to 59 | | 60+ | | All | |
|--|-----------|-------|------------|-------|------------|-------|-------------|-------|-------------|-------|
| | N | % | N | % | N | % | N | % | N | % |
| | | | | | | | | | | |
| Symptomatic on presentation | | | | | | | | | | |
| Υ | 165 | 75.0 | 1173 | 77.2 | 1359 | 78.3 | 1979 | 71.9 | 4676 | 75.1 |
| N | 21 | 9.5 | 162 | 10.7 | 179 | 10.3 | 272 | 9.9 | 634 | 10.2 |
| Not recorded | 34 | 15.5 | 184 | 12.1 | 197 | 11.4 | 501 | 18.2 | 916 | 14.7 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| Chapta mantama | 104 | | 04.4 | | 000 | | 4.400 | | 2440 | |
| Chest symptoms | 124 27 | - | 814 179 | - | 982 224 | - | 1499 375 | - | 3419 805 | - |
| Systemic symptoms Other site-specific symptoms | 29 | - | 284 | - | 276 | - | 267 | - | 856 | - |
| Other site-specific symptoms | 29 | - | 204 | - | 276 | - | 207 | - | 000 | - |
| Reason for presentation | | | | | | | | | | |
| Symptom | 160 | 72.7 | 1133 | 74.6 | 1299 | 74.9 | 1864 | 67.7 | 4456 | 71.6 |
| Contact screening | 17 | 7.7 | 38 | 2.5 | 42 | 2.4 | 34 | 1.2 | 131 | 2.1 |
| Pre-employment | 2 | 0.9 | 48 | 3.2 | 19 | 1.1 | 1 | 0.0 | 70 | 1.1 |
| Pre-emigration | 0 | 0.0 | 3 | 0.2 | 2 | 0.1 | 2 | 0.1 | 7 | 0.1 |
| Other body check | 2 | 0.9 | 74 | 4.9 | 82 | 4.7 | 91 | 3.3 | 249 | 4.0 |
| Incidental to other illness | 6 | 2.7 | 29 | 1.9 | 78 | 4.5 | 221 | 8.0 | 334 | 5.4 |
| Others | 0 | 0.0 | 4 | 0.3 | 4 | 0.2 | 15 | 0.5 | 23 | 0.4 |
| Not recorded | 33 | 15.0 | 190 | 12.5 | 209 | 12.0 | 524 | 19.0 | 956 | 15.4 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| | | | | | | | | | | |
| Contact with TB patients | | | | | | | | | | |
| Yes | 27 | 12.3 | 131 | 8.6 | 110 | 6.3 | 80 | 2.9 | 348 | 5.6 |
| No | 160 | 72.7 | 1197 | 78.8 | 1419 | 81.8 | 2132 | 77.5 | 4908 | 78.8 |
| Not recorded | 33 | 15.0 | 191 | 12.6 | 206 | 11.9 | 540 | 19.6 | 970 | 15.6 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| _ | | | | | | | | | | |
| Contact type | - 40 | 1 | | 1 | | 1 | | | 000 | |
| Household | 19 | - | 78 | - | 71 | - | 60 | - | 228 | - |
| Work | 2 | - | 21 | - | 10 | - | 2 | - | 35 | - |
| Casual | 2 | - | 9 | - | 13 | - | 5 | - | 29 | - |
| Time of contact | | | | | | | | | | |
| Within 2 year | 17 | _ | 51 | _ | 40 | _ | 21 | - | 129 | - |
| Over 2 year | 5 | _ | 44 | _ | 42 | _ | 25 | _ | 116 | _ |
| Over 2 year | | | | | 72 | | 20 | | 110 | |
| Previous chemoprophylaxis | | | | | | | | | | |
| Yes | 0 | - | 8 | - | 9 | - | 23 | - | 40 | - |
| | | | | | | | | | | |
| Reason for chemoprophylaxis | | | | | | | | | | |
| Contact | 0 | - | 2 | - | 0 | - | 1 | - | 3 | - |
| Silicosis | 0 | - | 0 | _ | 0 | _ | 1 | _ | 1 | |
| HIV | 0 | - | 2 | - | 1 | - | 2 | - | 5 | - |
| Old scar on CXR | 0 | - | 0 | - | 1 | - | 2 | - | 3 | - |
| Others | 0 | - | 0 | - | 1 | - | 5 | - | 6 | - |
| | _ | | | | | | | | | |
| Disease Classification | | 1 | | | T | ı | 1 | 1 | 1 | |
| Pulmonary TB only | 156 | 70.9 | 1029 | 67.7 | 1285 | 74.1 | 2211 | 80.3 | 4681 | 75.2 |
| Extrapulmonary TB only | 32 | 14.5 | 238 | 15.7 | 250 | 14.4 | 215 | 7.8 | 735 | 11.8 |
| Both | 32 | 14.5 | 252 | 16.6 | 200 | 11.5 | 326 | 11.8 | 810 | 13.0 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |

Annex 1 (b) - (i) ES/NS (cases ever or never seen at chest clinics) - 04

| Age group | 0 to | 19 | 20 t | o 39 | 40 t | o 59 | 60 |)+ | All | | |
|---------------------------------|------------|-------|---------|------------|---------|-------|---------|------------|---------|-------|--|
| | N | % | N | % | N | % | N | % | N | % | |
| | | | | | | | | | | | |
| Extrapulmonary TB | | | | | | | | | | | |
| Pleura | 21 | 9.5 | 158 | 10.4 | 134 | 7.7 | 242 | 8.8 | 555 | 8.9 | |
| Lymph node | 32 | 14.5 | 244 | 16.1 | 155 | 8.9 | 104 | 3.8 | 535 | 8.6 | |
| Meninges | 1 | 0.5 | 13 | 0.9 | 18 | 1.0 | 10 | 0.4 | 42 | 0.7 | |
| Miliary | 1 | 0.5 | 19 | 1.3 | 16 | 0.9 | 34 | 1.2 | 70 | 1.1 | |
| Abdomen | 3 | 1.4 | 18 | 1.2 | 33 | 1.9 | 38 | 1.4 | 92 | 1.5 | |
| Bone and joint (not spine) | 0 | 0.0 | 9 | 0.6 | 15 | 0.9 | 27 | 1.0 | 51 | 0.8 | |
| Spine | 1 | 0.5 | 4 | 0.3 | 8 | 0.5 | 17 | 0.6 | 30 | 0.5 | |
| Genito-urinary tract | 2 | 0.9 | 10 | 0.7 | 24 | 1.4 | 39 | 1.4 | 75 | 1.2 | |
| Naso/oro-pharynx | 0 | 0.0 | 6 | 0.4 | 11 | 0.6 | 2 | 0.1 | 19 | 0.3 | |
| Larynx | 0 | 0.0 | 2 | 0.1 | 4 | 0.2 | 4 | 0.1 | 10 | 0.2 | |
| Pericardium | 1 | 0.5 | 1 | 0.1 | 2 | 0.2 | 6 | 0.1 | 10 | 0.2 | |
| Skin | 3 | 1.4 | 15 | 1.0 | 27 | 1.6 | 19 | 0.7 | 64 | 1.0 | |
| Other sites | 1 | 0.5 | 13 | 0.9 | 19 | 1.1 | 15 | 0.7 | 48 | 0.8 | |
| Other sites | ı | 0.5 | 13 | 0.9 | 19 | 1.1 | 15 | 0.5 | 40 | 0.6 | |
| Case category | | | | | | | | | | | |
| Case category New case | 214 | 97.3 | 1431 | 94.2 | 1494 | 86.1 | 2289 | 83.2 | 5428 | 87.2 | |
| | | 2.3 | | | | 12.9 | | 16.2 | | | |
| Relapse Treatment after default | 5 | | 73 | 4.8 | 223 | | 445 | | 746 | 12.0 | |
| | 0 | 0.5 | 14 1 | 0.9 0.1 | 16 2 | 0.9 | 16 2 | 0.6 0.1 | 47 5 | 0.8 | |
| Failure of previous treatment | | | | | | | | | | 0.1 | |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 | |
| D: | | | | | | | | | | | |
| Disease characteristics (pulmon | | | | | | | | | | | |
| Pretreatment smear +ve | 69 | 36.7 | 424 | 33.1 | 581 | 39.1 | 900 | 35.5 | 1974 | 35.9 | |
| Pretreatment culture +ve | 139 | 73.9 | 818 | 63.9 | 1003 | 67.5 | 1903 | 75.0 | 3863 | 70.4 | |
| Extent = 1 | 70 | 37.2 | 632 | 49.3 | 691 | 46.5 | 926 | 36.5 | 2319 | 42.2 | |
| Extent=1 & cavity=N | 62 | 33.0 | 554 | 43.2 | 585 | 39.4 | 863 | 34.0 | 2064 | 37.6 | |
| Extent=1 & cavity=Y | 8 | 4.3 | 78 | 6.1 | 106 | 7.1 | 63 | 2.5 | 255 | 4.6 | |
| Extent = 2 | 53 | 28.2 | 271 | 21.2 | 361 | 24.3 | 613 | 24.2 | 1298 | 23.6 | |
| Extent=2 & cavity=N | 37 | 19.7 | 193 | 15.1 | 245 | 16.5 | 504 | 19.9 | 979 | 17.8 | |
| Extent=2 & cavity=Y | 16 | 8.5 | 78 | 6.1 | 116 | 7.8 | 109 | 4.3 | 319 | 5.8 | |
| Extent=3 | 23 | 12.2 | 108 | 8.4 | 168 | 11.3 | 302 | 11.9 | 601 | 10.9 | |
| Extent=3 & cavity=N | 14 | 7.4 | 57 | 4.4 | 84 | 5.7 | 219 | 8.6 | 374 | 6.8 | |
| Extent=3 & cavity=Y | 9 | 4.8 | 51 | 4.0 | 84 | 5.7 | 83 | 3.3 | 227 | 4.1 | |
| Extent=not specified | 42 | 22.3 | 270 | 21.1 | 265 | 17.8 | 696 | 27.4 | 1273 | 23.2 | |
| Extent=ns & cavity=N | 42 | 22.3 | 268 | 20.9 | 264 | 17.8 | 692 | 27.3 | 1266 | 23.1 | |
| Extent=ns & cavity=Y | 0 | 0.0 | 2 | 0.2 | 1 | 0.1 | 4 | 0.2 | 7 | 0.1 | |
| Cavity=N | 155 | 82.4 | 1072 | 83.7 | 1178 | 79.3 | 2278 | 89.8 | 4683 | 85.3 | |
| Cavity=Y | 33 | 17.6 | 209 | 16.3 | 307 | 20.7 | 259 | 10.2 | 808 | 14.7 | |
| • | | l l | | l . | | | l l | l . | | | |
| Mode of diagnosis | | | | | | | | | | | |
| Bacteriological | 157 | 71.4 | 991 | 65.2 | 1193 | 68.8 | 2174 | 79.0 | 4515 | 72.5 | |
| Histological | 12 | 5.5 | 163 | 10.7 | 179 | 10.3 | 132 | 4.8 | 486 | 7.8 | |
| Clinical-radiological | 34 | 15.5 | 261 | 17.2 | 277 | 16.0 | 284 | 10.3 | 856 | 13.7 | |
| Clinical only | 0 | 0.0 | 3 | 0.2 | 5 | 0.3 | 7 | 0.3 | 15 | 0.2 | |
| Not recorded | 17 | 7.7 | 101 | 6.6 | 81 | 4.7 | 155 | 5.6 | 354 | 5.7 | |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 | |
| i otal | <i>_</i> U | 100.0 | 1010 | 100.0 | 1700 | 100.0 | £1 UZ | 100.0 | 0220 | 100.0 | |
| Histology | | | | | | | | | | | |
| | 10 | | 80 | | 55 | | 46 | | 191 | | |
| Typical (with caseation) | 10 | - | | - | | - | | - | | - | |
| Granulomatous inflammation | 14 | - | 144 | - | 164 | - | 151 | - | 473 | - | |
| Other | 7 | - | 43 | - | 29 | - | 17 | - | 96 | - | |
| Ziehl-Neelzen staining | | | 40- | | | | 40: | | 66: | | |
| Positive | 14 | - | 132 | - | 144 | - | 101 | - | 391 | - | |

| Age group | 0 to | o 19 | 20 t | o 39 | 40 t | o 59 | 60 | 0+ | All | | |
|------------------------------------|--------|----------|------|------|------|------|------|------|------|------|--|
| 3.3 | N | % | N | % | N | % | N | % | N | % | |
| | | | | | | | | | | | |
| Risk factors for TB | | | | | | | | | | | |
| Yes | 2 | 0.9 | 91 | 6.0 | 460 | 26.5 | 875 | 31.8 | 1428 | 22.9 | |
| Diabetes mellitus | 0 | 0.0 | 17 | 1.1 | 236 | 13.6 | 452 | 16.4 | 705 | 11.3 | |
| Lung cancer | 0 | 0.0 | 0 | 0.0 | 15 | 0.9 | 58 | 2.1 | 73 | 1.2 | |
| Other malignancies | 0 | 0.0 | 11 | 0.7 | 59 | 3.4 | 140 | 5.1 | 210 | 3.4 | |
| On cytotoxic drugs | 0 | 0.0 | 0 | 0.0 | 6 | 0.3 | 5 | 0.2 | 11 | 0.2 | |
| On steroid | 1 | 0.5 | 5 | 0.3 | 14 | 0.8 | 15 | 0.5 | 35 | 0.6 | |
| Chronic renal failure | 0 | 0.0 | 2 | 0.1 | 9 | 0.5 | 32 | 1.2 | 43 | 0.7 | |
| HIV | 0 | 0.0 | 16 | 1.1 | 11 | 0.6 | 6 | 0.2 | 33 | 0.5 | |
| Silicosis | 0 | 0.0 | 1 | 0.1 | 23 | 1.3 | 25 | 0.9 | 49 | 8.0 | |
| Alcoholism | 0 | 0.0 | 12 | 8.0 | 61 | 3.5 | 43 | 1.6 | 116 | 1.9 | |
| Drug abuser | 1 | 0.5 | 19 | 1.3 | 48 | 2.8 | 9 | 0.3 | 77 | 1.2 | |
| Gastrectomy | 0 | 0.0 | 2 | 0.1 | 6 | 0.3 | 11 | 0.4 | 19 | 0.3 | |
| General debilitation | 0 | 0.0 | 0 | 0.0 | 3 | 0.2 | 220 | 8.0 | 223 | 3.6 | |
| Others | 0 | 0.0 | 12 | 0.8 | 19 | 1.1 | 28 | 1.0 | 59 | 0.9 | |
| | | | | | | | | | | | |
| Factors affecting treatment choice | T | | | | | | | | | | |
| Yes | 11 | 5.0 | 109 | 7.2 | 238 | 13.7 | 630 | 22.9 | 988 | 15.9 | |
| Hepatitis-B carrier | 6 | 2.7 | 64 | 4.2 | 106 | 6.1 | 85 | 3.1 | 261 | 4.2 | |
| Chronic active hepatitis | 0 | 0.0 | 5 | 0.3 | 16 | 0.9 | 13 | 0.5 | 34 | 0.5 | |
| Impaired renal function | 0 | 0.0 | 3 | 0.2 | 8 | 0.5 | 72 | 2.6 | 83 | 1.3 | |
| Chronic renal failure | 0 | 0.0 | 0 | 0.0 | 6 | 0.3 | 17 | 0.6 | 23 | 0.4 | |
| Impaired vision | 2 | 0.9 | 11 | 0.7 | 50 | 2.9 | 334 | 12.1 | 397 | 6.4 | |
| Impaired heaering | 0 | 0.0 | 1 | 0.1 | 10 | 0.6 | 43 | 1.6 | 54 | 0.9 | |
| Known drug reaction | 0 | 0.0 | 2 | 0.1 | 2 | 0.1 | 7 | 0.3 | 11 | 0.2 | |
| Known drug resistance | 1 | 0.5 | 6 | 0.4 | 4 | 0.2 | 9 | 0.3 | 20 | 0.3 | |
| Gout | 0 | 0.0 | 2 | 0.1 | 9 | 0.5 | 61 | 2.2 | 72 | 1.2 | |
| Idiopathic thromb. purpura | 1 | 0.5 | 2 | 0.1 | 2 | 0.1 | 6 | 0.2 | 11 | 0.2 | |
| Others | 0 | 0.0 | 23 | 1.5 | 39 | 2.2 | 78 | 2.8 | 140 | 2.2 | |
| | • | • | • | • | • | • | • | | | | |
| 6-month short course treatment | | | | | | | | | | | |
| Yes | 67 | 30.5 | 415 | 27.3 | 333 | 19.2 | 251 | 9.1 | 1066 | 17.1 | |
| 2HRZE+4HR | 63 | 28.6 | 381 | 25.1 | 305 | 17.6 | 205 | 7.4 | 954 | 15.3 | |
| 2HRZS+4HR | 0 | 0.0 | 9 | 0.6 | 13 | 0.7 | 23 | 0.8 | 45 | 0.7 | |
| Other standard regimen based of | n HRZI | ES | • | • | • | • | • | | | | |
| Yes | 92 | 41.8 | 709 | 46.7 | 882 | 50.8 | 1124 | 40.8 | 2807 | 45.1 | |
| | | | | | | | | | | | |
| Treatment side effects | | | | | | | | | | | |
| Yes | 72 | 32.7 | 581 | 38.2 | 807 | 46.5 | 1165 | 42.3 | 2625 | 42.2 | |
| GI upset | 35 | 15.9 | 258 | 17.0 | 272 | 15.7 | 399 | 14.5 | 964 | 15.5 | |
| Skin rash | 19 | 8.6 | 171 | 11.3 | 256 | 14.8 | 364 | 13.2 | 810 | 13.0 | |
| Visual | 5 | 2.3 | 26 | 1.7 | 62 | 3.6 | 106 | 3.9 | 199 | 3.2 | |
| Transient rise liver enzyme | 12 | 5.5 | 67 | 4.4 | 110 | 6.3 | 138 | 5.0 | 327 | 5.3 | |
| Hepatitis | 9 | 4.1 | 71 | 4.7 | 143 | 8.2 | 191 | 6.9 | 414 | 6.6 | |
| Vestibular | 1 | 0.5 | 15 | 1.0 | 13 | 0.7 | 22 | 0.8 | 51 | 0.8 | |
| Arthropathy | 3 | 1.4 | 28 | 1.8 | 55 | 3.2 | 100 | 3.6 | 186 | 3.0 | |
| Fever-chill | 3 | 1.4 | 29 | 1.9 | 46 | 2.7 | 31 | 1.1 | 109 | 1.8 | |
| Dizziness | 3 | 1.4 | 28 | 1.8 | 50 | 2.9 | 76 | 2.8 | 157 | 2.5 | |
| Thrombocytopenia | 0 | 0.0 | 7 | 0.5 | 7 | 0.4 | 20 | 0.7 | 34 | 0.5 | |
| Leucopenia | 0 | 0.0 | 3 | 0.2 | 2 | 0.1 | 8 | 0.3 | 13 | 0.2 | |
| Flush face | 1 | 0.5 | 3 | 0.2 | 6 | 0.3 | 10 | 0.4 | 20 | 0.3 | |
| Others | 7 | 3.2 | 40 | 2.6 | 69 | 4.0 | 132 | 4.8 | 248 | 4.0 | |
| Consequence of side effects | · · | <u> </u> | | | | | .02 | 1.0 | 0 | 1.0 | |
| Rx temporarily withheld | 38 | 17.3 | 257 | 16.9 | 437 | 25.2 | 687 | 25.0 | 1419 | 22.8 | |
| Desensitiation or drug trial | 21 | 9.5 | 151 | 9.9 | 284 | 16.4 | 484 | 17.6 | 940 | 15.1 | |
| Change in dosage/frequency | 10 | 4.5 | 132 | 8.7 | 188 | 10.4 | 265 | 9.6 | 595 | 9.6 | |
| Change of drugs | 22 | 10.0 | 183 | 12.0 | 327 | 18.8 | 611 | 22.2 | 1143 | 18.4 | |
| Change of drugs | | 10.0 | 100 | 12.0 | JZ1 | 10.0 | ווי | ~~.~ | 1173 | 10.4 | |

| Ago group | 0 to 19 | | 20 to 39 | | 40 to 59 | | 60+ | | All | |
|--|---------|----------|------------------|-------------|----------|-----------|-------|---------------------|------|------|
| Age group | N | % | N | 0 39 % | 40 t | 0 59 % | N |) + % | N | % |
| | IN | 70 | IN | 70 | IN | 70 | IN | 70 | IN | 70 |
| Treetment aunorvision | | | | | | | | | | |
| Treatment supervision Under DOT at chest clinic, hospital, | CNS or | other be | solth ata | ff (initial | 2 month | · · · · · | | | | |
| | | | | . ` | | | 1550 | FC 2 | 2706 | 60.0 |
| >90% >75% | 149 | 67.7 | 945 | 62.2 | 1142 | 65.8 | 1550 | 56.3 | 3786 | 60.8 |
| | 14 | 6.4 | 160 | 10.5 | 134 | 7.7 | 102 | 3.7 | 410 | 6.6 |
| >50% | 7 | 3.2 | 89 | 5.9 | 89 | 5.1 | 78 | 2.8 | 263 | 4.2 |
| >25% | 8 | 3.6 | 30 | 2.0 | 62 | 3.6 | 50 | 1.8 | 150 | 2.4 |
| ≤25% | 4 | 1.8 | 49 | 3.2 | 40 | 2.3 | 92 | 3.3 | 185 | 3.0 |
| Not recorded | 38 | 17.3 | 246 | 16.2 | 268 | 15.4 | 880 | 32.0 | 1432 | 23.0 |
| Under DOT at chest clinic, hospital, | | | | | | | • | 40.0 | 0000 | 40.7 |
| >90% | 114 | 51.8 | 743 | 48.9 | 902 | 52.0 | 1337 | 48.6 | 3096 | 49.7 |
| >75% | 17 | 7.7 | 194 | 12.8 | 191 | 11.0 | 137 | 5.0 | 539 | 8.7 |
| >50% | 22 | 10.0 | 119 | 7.8 | 119 | 6.9 | 87 | 3.2 | 347 | 5.6 |
| >25% | 18 | 8.2 | 82 | 5.4 | 107 | 6.2 | 56 | 2.0 | 263 | 4.2 |
| ≤25% | 9 | 4.1 | 89 | 5.9 | 103 | 5.9 | 142 | 5.2 | 343 | 5.5 |
| Not recorded | 40 | 18.2 | 292 | 19.2 | 313 | 18.0 | 993 | 36.1 | 1638 | 26.3 |
| Under supervision by relatives (initia | | | | _ | _ | | | | | |
| >90% | 3 | 1.4 | 3 | 0.2 | 9 | 0.5 | 22 | 0.8 | 37 | 0.6 |
| >75% | 1 | 0.5 | 7 | 0.5 | 5 | 0.3 | 6 | 0.2 | 19 | 0.3 |
| >50% | 0 | 0.0 | 7 | 0.5 | 3 | 0.2 | 9 | 0.3 | 19 | 0.3 |
| >25% | 0 | 0.0 | 5 | 0.3 | 4 | 0.2 | 5 | 0.2 | 14 | 0.2 |
| ≤25% | 140 | 63.6 | 1002 | 66.0 | 1108 | 63.9 | 1459 | 53.0 | 3709 | 59.6 |
| Not recorded | 76 | 34.5 | 495 | 32.6 | 606 | 34.9 | 1251 | 45.5 | 2428 | 39.0 |
| Under supervision by relatives (subs | sequent | 4 month | is) | | | | | | | |
| >90% | 2 | 0.9 | 2 | 0.1 | 12 | 0.7 | 28 | 1.0 | 44 | 0.7 |
| >75% | 2 | 0.9 | 14 | 0.9 | 12 | 0.7 | 12 | 0.4 | 40 | 0.6 |
| >50% | 5 | 2.3 | 12 | 0.8 | 10 | 0.6 | 6 | 0.2 | 33 | 0.5 |
| >25% | 3 | 1.4 | 8 | 0.5 | 5 | 0.3 | 5 | 0.2 | 21 | 0.3 |
| ≤25% | 130 | 59.1 | 954 | 62.8 | 1060 | 61.1 | 1379 | 50.1 | 3523 | 56.6 |
| Not recorded | 78 | 35.5 | 529 | 34.8 | 636 | 36.7 | 1322 | 48.0 | 2565 | 41.2 |
| Supplied for unsupervised treatment | | | | | | | | | | |
| <5% | 142 | 64.5 | 954 | 62.8 | 1109 | 63.9 | 1527 | 55.5 | 3732 | 59.9 |
| <10% | 8 | 3.6 | 50 | 3.3 | 61 | 3.5 | 56 | 2.0 | 175 | 2.8 |
| <15% | 6 | 2.7 | 61 | 4.0 | 48 | 2.8 | 32 | 1.2 | 147 | 2.4 |
| <25% | 2 | 0.9 | 60 | 3.9 | 55 | 3.2 | 44 | 1.6 | 161 | 2.6 |
| <50% | 9 | 4.1 | 54 | 3.6 | 61 | 3.5 | 51 | 1.9 | 175 | 2.8 |
| ≥50% | 4 | 1.8 | 38 | 2.5 | 58 | 3.3 | 65 | 2.4 | 165 | 2.7 |
| Not recorded | 49 | 22.3 | 302 | 19.9 | 343 | 19.8 | 977 | 35.5 | 1671 | 26.8 |
| Supplied for unsupervised treatment | | | | | | | | | | |
| <5% | 111 | 50.5 | 778 | 51.2 | 896 | 51.6 | 1322 | 48.0 | 3107 | 49.9 |
| <10% | 19 | 8.6 | 105 | 6.9 | 124 | 7.1 | 98 | 3.6 | 346 | 5.6 |
| <15% | 8 | 3.6 | 54 | 3.6 | 65 | 3.7 | 44 | 1.6 | 171 | 2.7 |
| <25% | 5 | 2.3 | 70 | 4.6 | 72 | 4.1 | 53 | 1.9 | 200 | 3.2 |
| <50% | 13 | 5.9 | 84 | 5.5 | 78 | 4.5 | 60 | 2.2 | 235 | 3.8 |
| ≥50% | 18 | 8.2 | 110 | 7.2 | 148 | 8.5 | 115 | 4.2 | 391 | 6.3 |
| Not recorded | 46 | 20.9 | 318 | 20.9 | 352 | 20.3 | 1060 | 38.5 | 1776 | 28.5 |
| Defaulted (initial 2 months) | | 0.0 | 3.0 | _0.0 | 302 | _0.0 | . 555 | 55.5 | | _0.0 |
| <5% | 156 | 70.9 | 1071 | 70.5 | 1252 | 72.2 | 1638 | 59.5 | 4117 | 66.1 |
| <10% | 5 | 2.3 | 30 | 2.0 | 27 | 1.6 | 18 | 0.7 | 80 | 1.3 |
| <15% | 2 | 0.9 | 19 | 1.3 | 19 | 1.1 | 11 | 0.7 | 51 | 0.8 |
| <25% | 1 | 0.5 | 25 | 1.6 | 23 | 1.3 | 14 | 0.5 | 63 | 1.0 |
| <50% | 3 | 1.4 | 18 | 1.2 | 18 | 1.0 | 12 | 0.3 | 51 | 0.8 |
| ≥50% | 2 | 0.9 | 13 | 0.9 | 11 | 0.6 | 20 | 0.4 | 46 | 0.7 |
| Not recorded | 51 | 23.2 | 343 | 22.6 | 385 | 22.2 | 1039 | 37.8 | 1818 | 29.2 |
| Defaulted (subsequent 4 months) | J 1 | ۷٠.۷ | J - J | ۷۷.۰ | 505 | ££.£ | 1009 | 57.0 | 1010 | ۷.۷ |
| <5% | 150 | 68.2 | 978 | 64.4 | 1177 | 67.8 | 1544 | 56.1 | 3849 | 61.8 |
| <10% | 9 | 4.1 | 53 | 3.5 | 47 | 2.7 | 29 | 1.1 | 138 | 2.2 |
| | | | | | | | | | | |
| <15% | 1 | 0.5 | 24 | 1.6 | 28 | 1.6 | 18 | 0.7 | 71 | 1.1 |
| <25% | 2 | 0.9 | 39 | 2.6 | 29 | 1.7 | 12 | 0.4 | 82 | 1.3 |
| <50% | 4 | 1.8 | 25 | 1.6 | 23 | 1.3 | 8 | 0.3 | 60 | 1.0 |
| ≥50% | 2 | 0.9 | 27 | 1.8 | 18 | 1.0 | 14 | 0.5 | 61 | 1.0 |
| Not recorded | 52 | 23.6 | 373 | 24.6 | 413 | 23.8 | 1127 | 41.0 | 1965 | 31.6 |

Annex 1 (b) - (i) ES/NS (cases ever or never seen at chest clinics) - 07

| Age group | 0 to | 19 | 20 t | o 39 | 40 t | o 59 | 60 | 0+ | Δ | All . |
|--|--------|-------------|--------|-------------|------|------------|------|---------------------|----------|--------------|
| | N | % | N | % | N | % | N | % | N | % |
| | | | | | | | | | | |
| Outcome at 6 months | | | | | | | | | | |
| Cured/ treatment completed | 91 | 41.4 | 526 | 34.6 | 439 | 25.3 | 443 | 16.1 | 1499 | 24.1 |
| Still on treatment | 89 | 40.5 | 679 | 44.7 | 988 | 56.9 | 1275 | 46.3 | 3031 | 48.7 |
| Died | 0 | 0.0 | 3 | 0.2 | 13 | 0.7 | 161 | 5.9 | 177 | 2.8 |
| Transferred | 1 | 0.5 | 70 | 4.6 | 36 | 2.1 | 30 | 1.1 | 137 | 2.2 |
| Defaulted | 3 | 1.4 | 43 | 2.8 | 42 | 2.4 | 64 | 2.3 | 152 | 2.4 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 2 | 0.1 | 3 | 0.1 | 5 | 0.1 |
| Not recorded | 36 | 16.4 | 198 | 13.0 | 215 | 12.4 | 776 | 28.2 | 1225 | 19.7 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| A (I | 1 . 1 | | | | | | | | | |
| Among those cured/ treatment c | | | 202 | <i></i> | 244 | 540 | 202 | 62.0 | 075 | FO 4 |
| Bacteriological conversion | 59 | 64.8 | 292 | 55.5 | 241 | 54.9 | 283 | 63.9 | 875 | 58.4 |
| Radiological improvement | 87 | 95.6 | 468 | 89.0 | 354 | 80.6 | 327 | 73.8 | 1236 | 82.5 |
| Other clinical improvement | 15 | 16.5 | 113 | 21.5 | 99 | 22.6 | 79 | 17.8 | 306 | 20.4 |
| No evidence of response | 1 | 1.1 | 17 | 3.2 | 27 | 6.2 | 27 | 6.1 | 72 | 4.8 |
| Among those still on treatment | | | | | | | | | | |
| Among those still on treatment Reasons for still on treatment: | | | | | | | | | | |
| | 5 | 5.6 | 44 | 6.5 | 126 | 12.8 | 165 | 12.9 | 340 | 11.2 |
| Retreatment case | 34 | 38.2 | 290 | 42.7 | 242 | 24.5 | 209 | 16.4 | 775 | 25.6 |
| Extrapulmonary disease Extensive disease | 17 | 19.1 | 98 | 14.4 | 160 | 16.2 | 171 | 13.4 | 446 | 14.7 |
| | 24 | 27.0 | 154 | 22.7 | 237 | 24.0 | 378 | 29.6 | 793 | 26.2 |
| Interrupted treatment Drug resistance | 3 | 3.4 | 33 | 4.9 | 43 | 4.4 | 41 | 3.2 | 120 | 4.0 |
| Poor response | 6 | 6.7 | 48 | 7.1 | 70 | 7.1 | 65 | 5.1 | 189 | 6.2 |
| Others | 16 | 18.0 | 122 | 18.0 | 310 | 31.4 | 544 | 42.7 | 992 | 32.7 |
| Others | 10 | 10.0 | 122 | 10.0 | 310 | 31.4 | 344 | 42.1 | 992 | 32.1 |
| Among those died - causes of de | eath: | | | | | | | | | |
| TB-related cause | 0 | _ | 0 | 0.0 | 1 | 7.7 | 14 | 8.7 | 15 | 8.5 |
| Not TB-related | 0 | - | 2 | 66.7 | 11 | 84.6 | 100 | 62.1 | 113 | 63.8 |
| Unknown | 0 | - | 1 | 33.3 | 1 | 7.7 | 47 | 29.2 | 49 | 27.7 |
| | | | | | | | | _ | | |
| Among those transferred, new s | ources | of care: | | | | | | | | |
| GP , | 0 | 0.0 | 7 | 10.0 | 9 | 25.0 | 1 | 3.3 | 17 | 12.4 |
| Chest Clinic | 0 | 0.0 | 0 | 0.0 | 2 | 5.6 | 0 | 0.0 | 2 | 1.5 |
| Hospital | 1 | 100.0 | 5 | 7.1 | 4 | 11.1 | 20 | 66.7 | 30 | 21.9 |
| Outside HK | 0 | 0.0 | 56 | 80.0 | 19 | 52.8 | 7 | 23.3 | 82 | 59.9 |
| Not recorded | 0 | 0.0 | 2 | 2.9 | 2 | 5.6 | 2 | 6.7 | 6 | 4.4 |
| | _ | | | - | | _ | | | _ | |
| Among those defaulted | | | | | | | | | | |
| Never found | 2 | 66.7 | 29 | 67.4 | 24 | 57.1 | 34 | 53.1 | 89 | 58.6 |
| I NOVOI IOUIIU | | | | | | | | | | |
| Retreated after default | 1 | 33.3 | 6 | 14.0 | 6 | 14.3 | 3 | 4.7 | 16 | 10.5 |
| | 0 | 33.3 0.0 | 6 2 | 14.0 4.7 | 6 | 14.3 | 11 | 4. <i>1</i> 17.2 | 16 19 | 10.5 12.5 |

| Age group | 0 tc | 19 | 20 t | o 39 | 40 t | o 59 | 60 |)+ | Α | \II |
|---|------------|--------------|------------|--------------|------------|--------------|-------------|--------------|--------------|--------------|
| | N | % | N | % | N | % | N | % | N | % |
| | <u>.</u> | <u>u</u> | <u>u</u> | <u>u</u> | <u>u</u> | <u>u</u> | <u>u</u> | <u> </u> | | |
| Outcome at 12 months | | | | | | | | | | |
| Cured/ treatment completed | 169 | 76.8 | 1113 | 73.3 | 1257 | 72.4 | 1466 | 53.3 | 4005 | 64.3 |
| Still on treatment | 9 | 4.1 | 73 | 4.8 | 152 | 8.8 | 196 | 7.1 | 430 | 6.9 |
| Died | 0 | 0.0 | 7 | 0.5 | 28 | 1.6 | 232 | 8.4 | 267 | 4.3 |
| Transferred | 3 | 1.4 | 74 | 4.9 | 34 | 2.0 | 31 | 1.1 | 142 | 2.3 |
| Defaulted | 5 | 2.3 | 63 | 4.1 | 61 | 3.5 | 66 | 2.4 | 195 | 3.1 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 2 | 0.1 | 3 | 0.1 | 5 | 0.1 |
| Not recorded | 34 | 15.5 | 189 | 12.4 | 201 | 11.6 | 758 | 27.5 | 1182 | 19.0 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| A | | | | | | | | | | |
| Among those cured/ treatment c | | | 500 | F0 0 | 707 | <i>57.0</i> | 000 | 67.0 | 0.400 | 50.0 |
| Bacteriological conversion | 105 147 | 62.1 87.0 | 582 | 52.3 | 727 | 57.8 | 986 1119 | 67.3 76.3 | 2400 3112 | 59.9 |
| Radiological improvement Other clinical improvement | 67 | 39.6 | 879 449 | 79.0 40.3 | 967 439 | 76.9 34.9 | 406 | 27.7 | 1361 | 77.7 34.0 |
| No evidence of response | 1 | 0.6 | 29 | 2.6 | 50 | 4.0 | 63 | 4.3 | 143 | 34.0 |
| After treatment completed: | | 0.0 | 23 | 2.0 | 50 | +.∪ | US | +.3 | 140 | 5.0 |
| No relapse | 152 | 89.9 | 918 | 82.5 | 1095 | 87.1 | 1269 | 86.6 | 3434 | 85.7 |
| Loss to follow up | 102 | 5.9 | 139 | 12.5 | 69 | 5.5 | 59 | 4.0 | 277 | 6.9 |
| Died | 0 | 0.0 | 1 | 0.1 | 6 | 0.5 | 20 | 1.4 | 27 | 0.7 |
| TB-related | 0 | | 0 | | 0 | | 2 | | 2 | |
| Not TB-related | 0 | | 0 | | 4 | | 12 | | 16 | |
| Unknown | 0 | | 1 | | 2 | | 5 | | 8 | |
| Relapse | 0 | 0.0 | 1 | 0.1 | 0 | 0.0 | 3 | 0.2 | 4 | 0.1 |
| Bacteriological | 0 | | 1 | | 0 | | 2 | | 3 | |
| Histological | 0 | | 0 | | 0 | | 0 | | 0 | |
| Clinico-radiological | 0 | | 1 | | 0 | | 1 | | 2 | |
| Not recorded | 7 | 4.1 | 54 | 4.9 | 87 | 6.9 | 115 | 7.8 | 263 | 6.6 |
| • | | | | | | | | | | |
| Among those still on treatment | | | | | | | | | | |
| Reasons for still on treatment: | | 0.0 | 4 | E E | 0 | F 2 | 10 | E 1 | 22 | E 1 |
| Retreatment case | 0 | 0.0 44.4 | 4 | 5.5 30.1 | 8 31 | 5.3 20.4 | 10 27 | 5.1 13.8 | 84 | 5.1 |
| Extrapulmonary disease Extensive disease | 1 | 11.1 | 22 4 | 5.5 | 10 | 6.6 | 14 | 7.1 | 29 | 19.5 6.7 |
| Interrupted treatment | 4 | 44.4 | 25 | 34.2 | 84 | 55.3 | 130 | 66.3 | 243 | 56.5 |
| Drug resistance | 0 | 0.0 | 14 | 19.2 | 20 | 13.2 | 18 | 9.2 | 52 | 12.1 |
| Poor response | 5 | 55.6 | 15 | 20.5 | 13 | 8.6 | 11 | 5.6 | 44 | 10.2 |
| Others | 1 | 11.1 | 26 | 35.6 | 63 | 41.4 | 84 | 42.9 | 174 | 40.5 |
| | | | , | | | | | | | |
| Among those died - causes of de | eath: | | | | | | | | | |
| TB-related cause | 0 | - | 0 | 0.0 | 1 | 3.6 | 16 | 6.9 | 17 | 6.4 |
| Not TB-related | 0 | - | 4 | 57.1 | 24 | 85.7 | 157 | 67.7 | 185 | 69.3 |
| Unknown | 0 | - | 3 | 42.9 | 3 | 10.7 | 59 | 25.4 | 65 | 24.3 |
| | | | | | | | | | | |
| Among those transferred, new se | ources | | | | | | | | 7 | |
| GP | 0 | 0.0 | 3 | 4.1 | 6 | 17.6 | 1 | 3.2 | 10 | 7.0 |
| Chest Clinic | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Hospital | 1 | 33.3 | 4 | 5.4 | 7 | 20.6 | 15 | 48.4 | 27 | 19.0 |
| Outside HK | 2 | 66.7 | 59 | 79.7 | 17 | 50.0 | 11 | 35.5 | 89 | 62.7 |
| Not recorded | 0 | 0.0 | 8 | 10.8 | 4 | 11.8 | 4 | 12.9 | 16 | 11.3 |
| | | | | | | | | | | |
| Among those defaulted | | 40.0 | F.C. | 00.5 | 00 | F0 0 | 0.4 | 47.0 | 404 | 00.1 |
| Never found Retreated after default | 2 | 40.0 | 52 | 82.5 | 36 | 59.0 | 31 | 47.0 | 121 | 62.1 |
| Retreated after default | 1 | 20.0 | 2 | 3.2 | 6 | 9.8 | 6 | 9.1 | 15 | 7.7 |
| | 4 | 20.0 | 2 | 2 | ^ | 0.0 | 40 | 407 | 00 | 44 (|
| Treatment stopped by doctor Not recorded | 1 | 20.0 | 2 7 | 3.2 11.1 | 6 13 | 9.8 21.3 | 13 16 | 19.7 24.2 | 22 37 | 11.3 19.0 |

| Age group | 0 tc | 19 | 20 t | o 39 | 40 t | o 59 | 60 | 0+ | Α | Ш |
|--|-------------|---------------------|-------------|--------------------|-------------|---------------------|--------------|---------------------|----------------|---------------------|
| | N | % | N | % | N | % | N | % | N | % |
| <u></u> | | 70 | | ,, | | ,,, | | , , , | | ,,, |
| Outcome at 24 months | | | | | | | | | | |
| Cured/ treatment completed | 180 | 81.8 | 1185 | 78.0 | 1405 | 81.0 | 1658 | 60.2 | 4428 | 71.1 |
| Still on treatment | 0 | 0.0 | 3 | 0.2 | 4 | 0.2 | 2 | 0.1 | 9 | 0.1 |
| Died | 0 | 0.0 | 7 | 0.5 | 31 | 1.8 | 247 | 9.0 | 285 | 4.6 |
| Transferred | 2 | 0.9 | 70 | 4.6 | 37 | 2.1 | 25 | 0.9 | 134 | 2.2 |
| Defaulted | 5 | 2.3 | 63 | 4.1 | 54 | 3.1 | 58 | 2.1 | 180 | 2.9 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 2 | 0.1 | 3 | 0.1 | 5 | 0.1 |
| Not recorded | 33 | 15.0 | 191 | 12.6 | 202 | 11.6 | 759 | 27.6 | 1185 | 19.0 |
| Total | 220 | 100.0 | 1519 | 100.0 | 1735 | 100.0 | 2752 | 100.0 | 6226 | 100.0 |
| 1000 | | 100.0 | 1010 | 100.0 | 1100 | 100.0 | 2.02 | 100.0 | OLLO | 100.0 |
| Among those cured/ treatment co | omplete | h4 | | | | | | | | |
| Bacteriological conversion | 113 | 62.8 | 644 | 54.3 | 848 | 60.4 | 1169 | 70.5 | 2774 | 62.6 |
| Radiological improvement | 157 | 87.2 | 944 | 79.7 | 1110 | 79.0 | 1323 | 79.8 | 3534 | 79.8 |
| Other clinical improvement | 87 | 48.3 | 564 | 47.6 | 568 | 40.4 | 562 | 33.9 | 1781 | 40.2 |
| No evidence of response | 2 | 1.1 | 27 | 2.3 | 46 | 3.3 | 59 | 3.6 | 134 | 3.0 |
| After treatment completed: | | 1.1 | <u> </u> | ۷.۵ | 70 | 0.0 | - 55 | 0.0 | 104 | 5.0 |
| No relapse | 145 | 80.6 | 846 | 71.4 | 1129 | 80.4 | 1301 | 78.5 | 3421 | 77.3 |
| Loss to follow up | 27 | 15.0 | 268 | 22.6 | 182 | 13.0 | 173 | 10.4 | 650 | 14.7 |
| Died | 0 | 0.0 | <u>∠00</u> | 0.2 | 14 | 1.0 | 91 | 5.5 | 107 | 2.4 |
| TB-related | 0 | 0.0 | 2 | ∪.∠ | 14 | 1.0 | 91 | ა.ა | 107 | ۷.4 |
| | | | | | - | | | | | |
| Not TB-related | 0 | | 0 | | 10 | | 65 | | 75 | |
| Unknown | 4 | 2.2 | 9 | 0.0 | 9 | 0.6 | 20 11 | 0.7 | 25 | 0.7 |
| Relapse | - | 2.2 | | 0.8 | | 0.6 | | 0.7 | 33 | 0.7 |
| Bacteriological | 2 | | 2 | | 5 | | 6 | | 15 | |
| Histological | 0 | | 4 | | 3 | | 1 | | 8 | |
| Clinico-radiological | 2 | | 3 | | 1 | | 2 | | 8 | |
| Clinical only | 0 | 0.0 | 0 | 5 4 | 0 | | 2 | 4.0 | 2 | 4.0 |
| Not recorded | 4 | 2.2 | 60 | 5.1 | 71 | 5.1 | 82 | 4.9 | 217 | 4.9 |
| A second the second till and the state and | | | | | | | | | | |
| Among those still on treatment | | | | | | | | | | |
| Reasons for still on treatment: | | 1 | 0 | 1 | • | ı | • | ı | _ | 0.0 |
| Retreatment case | 0 | - | 0 | - | 0 | - | 0 | - | 0 | 0.0 |
| Extrapulmonary disease | 0 | - | 1 | - | 0 | - | 0 | - | 1 | 11.1 |
| Extensive disease | 0 | - | 1 | - | 1 | - | 0 | - | 2 | 22.2 |
| Interrupted treatment | 0 | - | 0 | - | 0 | - | 1 | - | 1 | 11.1 |
| Drug resistance | 0 | - | 1 | - | 1 | - | 0 | - | 2 | 22.2 |
| Poor response | 0 | - | 1 | - | 1 | - | 0 | - | 2 | 22.2 |
| Others | 0 | - | 0 | - | 2 | - | 1 | - | 3 | 33.3 |
| | | | | | | | | | | |
| Among those died - causes of de | | 1 | | | 1 | | | | | |
| TB-related cause | 0 | - | 0 | 0.0 | 1 | 3.2 | 16 | 6.5 | 17 | 6.0 |
| Not TB-related | 0 | - | 4 | 57.1 | 27 | 87.1 | 170 | 68.8 | 201 | 70.5 |
| Unknown | 0 | - | 3 | 42.9 | 3 | 9.7 | 61 | 24.7 | 67 | 23.5 |
| | | | | | | | | | | |
| Among those transferred, new so | ources (| of care: | | | | | | | | |
| GP | 0 | 0.0 | 5 | 7.1 | 3 | 8.1 | 0 | 0.0 | 8 | 6.0 |
| Chest Clinic | 0 | 0.0 | 1 | 1.4 | 0 | 0.0 | 0 | 0.0 | 1 | 0.7 |
| Hospital | 1 | 50.0 | 4 | 5.7 | 10 | 27.0 | 8 | 32.0 | 23 | 17.2 |
| Outside HK | 1 | 50.0 | 53 | 75.7 | 16 | 43.2 | 10 | 40.0 | 80 | 59.7 |
| Not recorded | 0 | 0.0 | 7 | 10.0 | 8 | 21.6 | 7 | 28.0 | 22 | 16.4 |
| | | | | | | _ | | _ | | |
| Among those defaulted | | | | | | | | | | |
| Never found | 2 | 40.0 | 46 | 73.0 | 35 | 64.8 | 34 | 58.6 | 117 | 65.0 |
| Never lourid | | | | | | | | | | • |
| | 2 | 40.0 | 4 | 6.3 | 7 | 13.0 | 5 | 8.6 | 18 | 10.0 |
| Retreated after default | 2 | 40.0 0.0 | 4 5 | 6.3 7.9 | 7 | 13.0 5.6 | 5 7 | 8.6 12.1 | 18 15 | 10.0 |
| | 2 0 1 | 40.0 0.0 20.0 | 4 5 8 | 6.3 7.9 12.7 | 7 3 9 | 13.0 5.6 16.7 | 5 7 12 | 8.6 12.1 20.7 | 18 15 30 | 10.0 8.3 16.7 |

Annex 1 (b) - (ii) ES (cases ever seen at chest clinics) - 01

| Age group | 0 to | 19 | 20 t | o 39 | 40 t | o 59 | 60 | 0+ | Δ | AII . |
|--|------|------------|------|-------|------|-------|-------|-------|------|---|
| | N | % | N | % | N | % | N | % | N | % |
| | | | | | | | | | | |
| Female | 104 | 55.9 | 707 | 53.7 | 447 | 29.2 | 548 | 27.8 | 1806 | 36.1 |
| Male | 82 | 44.1 | 609 | 46.3 | 1083 | 70.8 | 1421 | 72.2 | 3195 | 63.9 |
| Total | 186 | 100.0 | 1316 | 100.0 | 1530 | 100.0 | 1969 | 100.0 | 5001 | 100.0 |
| | | | | | | | | | | <u> </u> |
| First presentation | | | | | | | | | | |
| Private doctor | 32 | 17.2 | 327 | 24.8 | 235 | 15.4 | 134 | 6.8 | 728 | 14.6 |
| Private hospital | 4 | 2.2 | 22 | 1.7 | 24 | 1.6 | 13 | 0.7 | 63 | 1.3 |
| GOPC | 7 | 3.8 | 45 | 3.4 | 76 | 5.0 | 78 | 4.0 | 206 | 4.1 |
| Chest Clinic | 33 | 17.7 | 187 | 14.2 | 271 | 17.7 | 323 | 16.4 | 814 | 16.3 |
| Other DH Clinic | 4 | 2.2 | 25 | 1.9 | 21 | 1.4 | 27 | 1.4 | 77 | 1.5 |
| HA Clinic | 5 | 2.7 | 45 | 3.4 | 64 | 4.2 | 70 | 3.6 | 184 | 3.7 |
| HA Hospital | 95 | 51.1 | 590 | 44.8 | 765 | 50.0 | 1228 | 62.4 | 2678 | 53.5 |
| Mainland | 2 | 1.1 | 16 | 1.2 | 12 | 8.0 | 11 | 0.6 | 41 | 0.8 |
| Overseas | 1 | 0.5 | 2 | 0.2 | 4 | 0.3 | 2 | 0.1 | 9 | 0.2 |
| Not recorded | 3 | 1.6 | 57 | 4.3 | 58 | 3.8 | 83 | 4.2 | 201 | 4.0 |
| Total | 186 | 100.0 | 1316 | 100.0 | 1530 | 100.0 | 1969 | 100.0 | 5001 | 100.0 |
| | | | | | | | | | | |
| Symptomatic on presentation | | | | - | - | | | | - | |
| Υ | 161 | 86.6 | 1108 | 84.2 | 1306 | 85.4 | 1653 | 84.0 | 4228 | 84.5 |
| N | 21 | 11.3 | 151 | 11.5 | 166 | 10.8 | 233 | 11.8 | 571 | 11.4 |
| Not recorded | 4 | 2.2 | 57 | 4.3 | 58 | 3.8 | 83 | 4.2 | 202 | 4.0 |
| Total | 186 | 100.0 | 1316 | 100.0 | 1530 | 100.0 | 1969 | 100.0 | 5001 | 100.0 |
| | | | | | | | | | | |
| Chest symptoms | 122 | - | 770 | - | 948 | - | 1251 | - | 3091 | - |
| Systemic symptoms | 26 | - | 170 | - | 215 | - | 325 | - | 736 | - |
| Other site-specific symptoms | 28 | - | 276 | - | 268 | - | 241 | - | 813 | - |
| | | | | | | | | | | |
| Reason for presentation | | | | | | | | | | |
| Symptom | 156 | 83.9 | 1071 | 81.4 | 1250 | 81.7 | 1559 | 79.2 | 4036 | 80.7 |
| Contact screening | 17 | 9.1 | 38 | 2.9 | 41 | 2.7 | 32 | 1.6 | 128 | 2.6 |
| Pre-employment | 2 | 1.1 | 47 | 3.6 | 18 | 1.2 | 1 | 0.1 | 68 | 1.4 |
| Pre-emigration | 0 | 0.0 | 3 | 0.2 | 2 | 0.1 | 2 | 0.1 | 7 | 0.1 |
| Other body check | 2 | 1.1 | 66 | 5.0 | 74 | 4.8 | 83 | 4.2 | 225 | 4.5 |
| Incidental to other illness | 5 | 2.7 | 27 | 2.1 | 73 | 4.8 | 189 | 9.6 | 294 | 5.9 |
| Others | 0 | 0.0 | 4 | 0.3 | 3 | 0.2 | 9 | 0.5 | 16 | 0.3 |
| Not recorded | 4 | 2.2 | 60 | 4.6 | 69 | 4.5 | 94 | 4.8 | 227 | 4.5 |
| Total | 186 | 100.0 | 1316 | 100.0 | 1530 | 100.0 | 1969 | 100.0 | 5001 | 100.0 |
| | | | | | | | | | | |
| Disease Classification | 10- | - | 001 | 00.0 | 4400 | 70.0 | 45.40 | 700 | 000= | 70 - |
| Pulmonary TB only | 137 | 73.7 | 881 | 66.9 | 1129 | 73.8 | 1540 | 78.2 | 3687 | 73.7 |
| Extrapulmonary TB only | 19 | 10.2 | 206 | 15.7 | 212 | 13.9 | 147 | 7.5 | 584 | 11.7 |
| Both | 30 | 16.1 | 229 | 17.4 | 189 | 12.4 | 282 | 14.3 | 730 | 14.6 |
| Total | 186 | 100.0 | 1316 | 100.0 | 1530 | 100.0 | 1969 | 100.0 | 5001 | 100.0 |
| Companies also de la companies | | | | | | | | | | |
| 6-month short course treatment | 67 | 000 | 444 | 04.0 | 000 | 04.5 | 0.45 | 101 | 4050 | 04.0 |
| Yes | 67 | 36.0 | 411 | 31.2 | 329 | 21.5 | 245 | 12.4 | 1052 | 21.0 |
| 2HRZE+4HR | 63 | 33.9 | 377 | 28.6 | 301 | 19.7 | 202 | 10.3 | 943 | 18.9 |
| 2HRZS+4HR | 0 | 0.0 | 9 | 0.7 | 13 | 0.8 | 23 | 1.2 | 45 | 0.9 |
| Other standard regimen based o | | | 704 | 50.0 | 075 | | 444- | 507 | 0707 | <u> </u> |
| Yes | 91 | 48.9 | 701 | 53.3 | 875 | 57.2 | 1117 | 56.7 | 2784 | 55.7 |
| | | | | | | | | | | |

| Age group | 0 to | 19 | 20 t | o 39 | 40 t | o 59 | 60 |)+ | А | .II |
|--|-------------|---------|------|------|------|------|------|------|------|------|
| <u> </u> | N | % | N | % | N | % | N | % | N | % |
| | - | - | | - | | | | | | |
| Treatment supervision | | | | | | | | | | |
| Under DOT at chest clinic, hospital, | | | | | | | | | | |
| >90% | 148 | 79.6 | 929 | 70.6 | 1134 | 74.1 | 1534 | 77.9 | 3745 | 74.9 |
| >75% | 14 | 7.5 | 160 | 12.2 | 134 | 8.8 | 102 | 5.2 | 410 | 8.2 |
| >50% | 7 | 3.8 | 89 | 6.8 | 89 | 5.8 | 78 | 4.0 | 263 | 5.3 |
| >25% | 8 | 4.3 | 30 | 2.3 | 62 | 4.1 | 49 | 2.5 | 149 | 3.0 |
| ≤25% | 4 | 2.2 | 47 | 3.6 | 40 | 2.6 | 91 | 4.6 | 182 | 3.6 |
| Under DOT at chest clinic, hospital, | 5 CNS or | 2.7 | 61 | 4.6 | 71 | 4.6 | 115 | 5.8 | 252 | 5.0 |
| >90% | 113 | 60.8 | 728 | 55.3 | 894 | 58.4 | 1323 | 67.2 | 3058 | 61.1 |
| >75% | 17 | 9.1 | 194 | 14.7 | 191 | 12.5 | 136 | 6.9 | 538 | 10.8 |
| >50% | 22 | 11.8 | 119 | 9.0 | 119 | 7.8 | 87 | 4.4 | 347 | 6.9 |
| >25% | 18 | 9.7 | 82 | 6.2 | 107 | 7.0 | 55 | 2.8 | 262 | 5.2 |
| ≤25% | 9 | 4.8 | 87 | 6.6 | 103 | 6.7 | 141 | 7.2 | 340 | 6.8 |
| Not recorded | 7 | 3.8 | 106 | 8.1 | 116 | 7.6 | 227 | 11.5 | 456 | 9.1 |
| Under supervision by relatives (initia | - | | .00 | 0.1 | 1.0 | 1.0 | LL. | 11.0 | .00 | 0.1 |
| >90% | 3 | 1.6 | 3 | 0.2 | 9 | 0.6 | 22 | 1.1 | 37 | 0.7 |
| >75% | 1 | 0.5 | 7 | 0.5 | 5 | 0.3 | 6 | 0.3 | 19 | 0.4 |
| >50% | 0 | 0.0 | 7 | 0.5 | 3 | 0.2 | 9 | 0.5 | 19 | 0.4 |
| >25% | 0 | 0.0 | 5 | 0.4 | 4 | 0.3 | 5 | 0.3 | 14 | 0.3 |
| ≤25% | 139 | 74.7 | 996 | 75.7 | 1107 | 72.4 | 1453 | 73.8 | 3695 | 73.9 |
| Not recorded | 43 | 23.1 | 298 | 22.6 | 402 | 26.3 | 474 | 24.1 | 1217 | 24.3 |
| Under supervision by relatives (subs | sequent | 4 month | s) | • | | | | | | • |
| >90% | 2 | 1.1 | 2 | 0.2 | 12 | 0.8 | 28 | 1.4 | 44 | 0.9 |
| >75% | 2 | 1.1 | 14 | 1.1 | 12 | 0.8 | 12 | 0.6 | 40 | 0.8 |
| >50% | 5 | 2.7 | 12 | 0.9 | 10 | 0.7 | 6 | 0.3 | 33 | 0.7 |
| >25% | 3 | 1.6 | 8 | 0.6 | 5 | 0.3 | 5 | 0.3 | 21 | 0.4 |
| ≤25% | 129 | 69.4 | 949 | 72.1 | 1059 | 69.2 | 1372 | 69.7 | 3509 | 70.2 |
| Not recorded | 45 | 24.2 | 331 | 25.2 | 432 | 28.2 | 546 | 27.7 | 1354 | 27.1 |
| Supplied for unsupervised treatment | | | | | | | | 1 | | |
| <5% | 141 | 75.8 | 948 | 72.0 | 1108 | 72.4 | 1519 | 77.1 | 3716 | 74.3 |
| <10% | 8 | 4.3 | 50 | 3.8 | 61 | 4.0 | 55 | 2.8 | 174 | 3.5 |
| <15% | 6 | 3.2 | 61 | 4.6 | 48 | 3.1 | 32 | 1.6 | 147 | 2.9 |
| <25% | 2 | 1.1 | 60 | 4.6 | 55 | 3.6 | 44 | 2.2 | 161 | 3.2 |
| <50% | 9 | 4.8 | 54 | 4.1 | 61 | 4.0 | 51 | 2.6 | 175 | 3.5 |
| ≥50% | 4 | 2.2 | 36 | 2.7 | 58 | 3.8 | 63 | 3.2 | 161 | 3.2 |
| Not recorded Supplied for unsupervised treatment | 16 | 8.6 | 107 | 8.1 | 139 | 9.1 | 205 | 10.4 | 467 | 9.3 |
| <5% | 110 | 59.1 | 773 | 58.7 | 895 | 58.5 | 1314 | 66.7 | 3092 | 61.8 |
| <10% | 19 | 10.2 | 105 | 8.0 | 124 | 8.1 | 97 | 4.9 | 345 | 6.9 |
| <15% | 8 | 4.3 | 54 | 4.1 | 65 | 4.2 | 44 | 2.2 | 171 | 3.4 |
| <25% | 5 | 2.7 | 70 | 5.3 | 72 | 4.7 | 53 | 2.7 | 200 | 4.0 |
| <50% | 13 | 7.0 | 84 | 6.4 | 78 | 5.1 | 59 | 3.0 | 234 | 4.7 |
| ≥50% | 18 | 9.7 | 108 | 8.2 | 148 | 9.7 | 114 | 5.8 | 388 | 7.8 |
| Not recorded | 13 | 7.0 | 122 | 9.3 | 148 | 9.7 | 288 | 14.6 | 571 | 11.4 |
| Defaulted (initial 2 months) | | | | | | | | | | |
| <5% | 155 | 83.3 | 1065 | 80.9 | 1251 | 81.8 | 1629 | 82.7 | 4100 | 82.0 |
| <10% | 5 | 2.7 | 30 | 2.3 | 27 | 1.8 | 18 | 0.9 | 80 | 1.6 |
| <15% | 2 | 1.1 | 19 | 1.4 | 19 | 1.2 | 11 | 0.6 | 51 | 1.0 |
| <25% | 1 | 0.5 | 25 | 1.9 | 23 | 1.5 | 14 | 0.7 | 63 | 1.3 |
| <50% | 3 | 1.6 | 18 | 1.4 | 18 | 1.2 | 12 | 0.6 | 51 | 1.0 |
| ≥50% | 2 | 1.1 | 13 | 1.0 | 11 | 0.7 | 20 | 1.0 | 46 | 0.9 |
| Not recorded | 18 | 9.7 | 146 | 11.1 | 181 | 11.8 | 265 | 13.5 | 610 | 12.2 |
| Defaulted (subsequent 4 months) | | | | | | | | | | |
| <5% | 149 | 80.1 | 973 | 73.9 | 1176 | 76.9 | 1536 | 78.0 | 3834 | 76.7 |
| <10% | 9 | 4.8 | 53 | 4.0 | 47 | 3.1 | 28 | 1.4 | 137 | 2.7 |
| <15% | 1 | 0.5 | 24 | 1.8 | 28 | 1.8 | 17 | 0.9 | 70 | 1.4 |
| <25% | 2 | 1.1 | 39 | 3.0 | 29 | 1.9 | 12 | 0.6 | 82 | 1.6 |
| <50% | 4 | 2.2 | 25 | 1.9 | 23 | 1.5 | 8 | 0.4 | 60 | 1.2 |
| ≥50% | 2 | 1.1 | 27 | 2.1 | 18 | 1.2 | 14 | 0.7 | 61 | 1.2 |
| Not recorded | 19 | 10.2 | 175 | 13.3 | 209 | 13.7 | 354 | 18.0 | 757 | 15.1 |

Annex 1 (b) - (ii) ES (cases ever seen at chest clinics) - 03

| Age group | 0 to | o 19 | 20 t | o 39 | 40 t | o 59 | 60 | 0+ | All | |
|----------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | N | % | N | % | N | % | N | % | N | % |
| Outcome at 6 months | | | | | | | | | | |
| Cured/ treatment completed | 90 | 48.4 | 520 | 39.5 | 433 | 28.3 | 437 | 22.2 | 1480 | 29.6 |
| Still on treatment | 89 | 47.8 | 669 | 50.8 | 984 | 64.3 | 1262 | 64.1 | 3004 | 60.1 |
| Died | 0 | 0.0 | 3 | 0.2 | 13 | 0.8 | 144 | 7.3 | 160 | 3.2 |
| Transferred | 1 | 0.5 | 66 | 5.0 | 34 | 2.2 | 29 | 1.5 | 130 | 2.6 |
| Defaulted | 3 | 1.6 | 43 | 3.3 | 42 | 2.7 | 64 | 3.3 | 152 | 3.0 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 2 | 0.1 | 3 | 0.2 | 5 | 0.1 |
| Not recorded | 3 | 1.6 | 15 | 1.1 | 22 | 1.4 | 30 | 1.5 | 70 | 1.4 |
| Total | 186 | 100.0 | 1316 | 100.0 | 1530 | 100.0 | 1969 | 100.0 | 5001 | 100.0 |
| Outcome at 12 months | | | | | | | | | | |
| Cured/ treatment completed | 168 | 90.3 | 1101 | 83.7 | 1248 | 81.6 | 1451 | 73.7 | 3968 | 79.3 |
| Still on treatment | 9 | 4.8 | 70 | 5.3 | 152 | 9.9 | 194 | 9.9 | 425 | 8.5 |
| Died | 0 | 0.0 | 7 | 0.5 | 28 | 1.8 | 213 | 10.8 | 248 | 5.0 |
| Transferred | 3 | 1.6 | 70 | 5.3 | 32 | 2.1 | 30 | 1.5 | 135 | 2.7 |
| Defaulted | 5 | 2.7 | 63 | 4.8 | 61 | 4.0 | 66 | 3.4 | 195 | 3.9 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 2 | 0.1 | 3 | 0.2 | 5 | 0.1 |
| Not recorded | 1 | 0.5 | 5 | 0.4 | 7 | 0.5 | 12 | 0.6 | 25 | 0.5 |
| Total | 186 | 100.0 | 1316 | 100.0 | 1530 | 100.0 | 1969 | 100.0 | 5001 | 100.0 |
| Outcome at 24 months | | | | | | | | | | |
| Cured/ treatment completed | 179 | 96.2 | 1171 | 89.0 | 1396 | 91.2 | 1639 | 83.2 | 4385 | 87.7 |
| Still on treatment | 0 | 0.0 | 2 | 0.2 | 4 | 0.3 | 2 | 0.1 | 8 | 0.2 |
| Died | 0 | 0.0 | 7 | 0.5 | 31 | 2.0 | 228 | 11.6 | 266 | 5.3 |
| Transferred | 2 | 1.1 | 66 | 5.0 | 35 | 2.3 | 24 | 1.2 | 127 | 2.5 |
| Defaulted | 5 | 2.7 | 63 | 4.8 | 54 | 3.5 | 57 | 2.9 | 179 | 3.6 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 2 | 0.1 | 3 | 0.2 | 5 | 0.1 |
| Not recorded | 0 | 0.0 | 7 | 0.5 | 8 | 0.5 | 16 | 0.8 | 31 | 0.6 |
| Total | 186 | 100.0 | 1316 | 100.0 | 1530 | 100.0 | 1969 | 100.0 | 5001 | 100.0 |

Annex 1 (b) - (iii) NS (cases never seen at chest clinics) - 01

| Age group | 0 to | 19 | 20 t | o 39 | 40 t | o 59 | 6 | 0+ | Α | AII . |
|--------------------------------|----------|-------|------|-------|------|-------|-----|-------|------|-----------|
| | N | % | N | % | N | % | N | % | N | % |
| | | | | | ı | | | | ı | <u> </u> |
| Female | 20 | 58.8 | 116 | 57.1 | 80 | 39.0 | 216 | 27.6 | 432 | 35.3 |
| Male | 14 | 41.2 | 87 | 42.9 | 125 | 61.0 | 567 | 72.4 | 793 | 64.7 |
| Total | 34 | 100.0 | 203 | 100.0 | 205 | 100.0 | 783 | 100.0 | 1225 | 100.0 |
| 1.010 | <u> </u> | .00.0 | | | | | | .00.0 | | 10010 |
| First presentation | | | | | | | | | | |
| Private doctor | 1 | 2.9 | 11 | 5.4 | 3 | 1.5 | 12 | 1.5 | 27 | 2.2 |
| Private hospital | 0 | 0.0 | 1 | 0.5 | 1 | 0.5 | 4 | 0.5 | 6 | 0.5 |
| GOPC | 0 | 0.0 | 1 | 0.5 | 1 | 0.5 | 1 | 0.1 | 3 | 0.2 |
| Chest Clinic | 0 | 0.0 | 3 | 1.5 | 5 | 2.4 | 15 | 1.9 | 23 | 1.9 |
| Other DH Clinic | 0 | 0.0 | 12 | 5.9 | 6 | 2.9 | 2 | 0.3 | 20 | 1.6 |
| HA Clinic | 0 | 0.0 | 2 | 1.0 | 1 | 0.5 | 17 | 2.2 | 20 | 1.6 |
| HA Hospital | 4 | 11.8 | 41 | 20.2 | 49 | 23.9 | 311 | 39.7 | 405 | 33.1 |
| Mainland | 0 | 0.0 | 3 | 1.5 | 0 | 0.0 | 2 | 0.3 | 5 | 0.4 |
| Overseas | 0 | 0.0 | 1 | 0.5 | 0 | 0.0 | 2 | 0.3 | 3 | 0.2 |
| Not recorded | 29 | 85.3 | 128 | 63.1 | 139 | 67.8 | 417 | 53.3 | 713 | 58.2 |
| Total | 34 | 100.0 | 203 | 100.0 | 205 | 100.0 | 783 | 100.0 | 1225 | 100.0 |
| Total | 07 | 100.0 | 200 | 100.0 | 200 | 100.0 | 700 | 100.0 | 1220 | 100.0 |
| Symptomatic on presentation | | | | | | | | | | |
| Y | 4 | 11.8 | 65 | 32.0 | 53 | 25.9 | 326 | 41.6 | 448 | 36.6 |
| N | 0 | 0.0 | 11 | 5.4 | 13 | 6.3 | 39 | 5.0 | 63 | 5.1 |
| Not recorded | 30 | 88.2 | 127 | 62.6 | 139 | 67.8 | 418 | 53.4 | 714 | 58.3 |
| Total | 34 | 100.0 | 203 | 100.0 | 205 | 100.0 | 783 | 100.0 | 1225 | 100.0 |
| Total | 34 | 100.0 | 203 | 100.0 | 203 | 100.0 | 703 | 100.0 | 1223 | 100.0 |
| Chest symptoms | 2 | _ | 44 | _ | 34 | _ | 248 | _ | 328 | I - 1 |
| Systemic symptoms | 1 | - | 9 | - | 9 | - | 50 | - | 69 | - |
| Other site-specific symptoms | 1 | _ | 8 | _ | 8 | _ | 26 | _ | 43 | - |
| Other site-specific symptoms | ı | | 0 | _ | 0 | _ | 20 | _ | 43 | |
| Reason for presentation | | | | | | | | | | |
| Symptom | 4 | 11.8 | 62 | 30.5 | 49 | 23.9 | 305 | 39.0 | 420 | 34.3 |
| Contact screening | 0 | 0.0 | 02 | 0.0 | 1 | 0.5 | 2 | 0.3 | 3 | 0.2 |
| Pre-employment | 0 | 0.0 | 1 | 0.5 | 1 | 0.5 | 0 | 0.0 | 2 | 0.2 |
| Pre-emigration | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Other body check | 0 | 0.0 | 8 | 3.9 | 8 | 3.9 | 8 | 1.0 | 24 | 2.0 |
| Incidental to other illness | 1 | 2.9 | 2 | 1.0 | 5 | 2.4 | 32 | 4.1 | 40 | 3.3 |
| Others | 0 | 0.0 | 0 | 0.0 | 1 | 0.5 | 6 | 0.8 | 7 | 0.6 |
| Not recorded | 29 | 85.3 | 130 | 64.0 | 140 | 68.3 | 430 | 54.9 | 729 | 59.5 |
| Total | 34 | 100.0 | 203 | 100.0 | 205 | 100.0 | 783 | 100.0 | 1225 | 100.0 |
| Total | 34 | 100.0 | 203 | 100.0 | 203 | 100.0 | 703 | 100.0 | 1223 | 100.0 |
| Disease Classification | | | | | | | | | | |
| Pulmonary TB only | 19 | 55.9 | 148 | 72.9 | 156 | 76.1 | 671 | 85.7 | 994 | 81.1 |
| Extrapulmonary TB only | 13 | 38.2 | 32 | 15.8 | 38 | 18.5 | 68 | 8.7 | 151 | 12.3 |
| Both | 2 | 5.9 | | 11.3 | 11 | 5.4 | 44 | 5.6 | 80 | |
| | 34 | | 23 | | | | | | | 6.5 |
| Total | 34 | 100.0 | 203 | 100.0 | 205 | 100.0 | 783 | 100.0 | 1225 | 100.0 |
| 6 month chart source treatment | | | | | | | | | | |
| 6-month short course treatment | 0 | 00 | Α | 20 | 4 | 20 | | 0.0 | 1.1 | 11 |
| Yes | 0 | 0.0 | 4 | 2.0 | 4 | 2.0 | 6 | 0.8 | 14 | 1.1 |
| 2HRZE+4HR | 0 | 0.0 | 4 | 2.0 | 4 | 2.0 | 3 | 0.4 | 11 | 0.9 |
| 2HRZS+4HR | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Other standard regimen based o | | | ^ | | - | | _ | 0.0 | 00 | |
| Yes | 1 | 2.9 | 8 | 3.9 | 7 | 3.4 | 7 | 0.9 | 23 | 1.9 |

| Age group | | 19 | | o 39 | | o 59 | |)+ | | \II |
|---|--|--|---|--|---|--|--|--|--|---|
| | N | % | N | % | N | % | N | % | N | % |
| | | | | | | | | | | |
| Treatment supervision | 0110 | | 141 . | | | , | | | | |
| Under DOT at chest clinic, hospital, | | | | | | | 4.0 | | | 0.0 |
| >90% | 1 | 2.9 | 16 | 7.9 | 8 | 3.9 | 16 | 2.0 | 41 | 3.3 |
| >75% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >50% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >25% | 0 | 0.0 | 2 | 0.0 1.0 | 0 | 0.0 | <u>1</u> 1 | 0.1 | 1 | 0.1 |
| ≤25% Not recorded | 33 | 97.1 | 185 | 91.1 | 197 | 0.0 96.1 | 765 | 0.1 97.7 | 3 1180 | 96.3 |
| Under DOT at chest clinic, hospital, | | | | | | | | 91.1 | 1100 | 90.3 |
| >90% | 1 | 2.9 | 15 | 7.4 | 8 | 3.9 | <i>)</i> 14 | 1.8 | 38 | 3.1 |
| >75% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.1 | 1 | 0.1 |
| >50% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >25% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.1 | 1 | 0.1 |
| ≤25% | 0 | 0.0 | 2 | 1.0 | 0 | 0.0 | 1 | 0.1 | 3 | 0.2 |
| Not recorded | 33 | 97.1 | 186 | 91.6 | 197 | 96.1 | 766 | 97.8 | 1182 | 96.5 |
| Under supervision by relatives (initial | | - | .00 | 00 | | 00 | | 00 | | 00.0 |
| >90% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >75% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >50% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >25% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| ≤25% | 1 | 2.9 | 6 | 3.0 | 1 | 0.5 | 6 | 0.8 | 14 | 1.1 |
| Not recorded | 33 | 97.1 | 197 | 97.0 | 204 | 99.5 | 777 | 99.2 | 1211 | 98.9 |
| Under supervision by relatives (subs | sequent | 4 month | s) | | • | • | | | | |
| >90% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >75% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >50% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| >25% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| ≤25% | 1 | 2.9 | 5 | 2.5 | 1 | 0.5 | 7 | 0.9 | 14 | 1.1 |
| Not recorded | 33 | 97.1 | 198 | 97.5 | 204 | 99.5 | 776 | 99.1 | 1211 | 98.9 |
| Supplied for unsupervised treatmen | t (initial 2 | | | | | | | | | |
| <5% | 1 | 2.9 | 6 | 3.0 | 1 | 0.5 | 8 | 1.0 | 16 | 1.3 |
| <10% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.1 | 1 | 0.1 |
| <15% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| <25% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| <50% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| ≥50% | 0 | 0.0 | 2 | 1.0 | 0 | 0.0 | 2 | 0.3 | 4 | 0.3 |
| Not recorded | 33 | 97.1 | 195 | 96.1 | 204 | 99.5 | 772 | 98.6 | 1204 | 98.3 |
| Supplied for unsupervised treatmen | · · · · · · | 2.9 | | 2.5 | 1 | 0.5 | 0 | 1.0 | 15 | 1.0 |
| <5% <10% | 1 | 0.0 | 5 | | 1 | 0.5 | 8 1 | 1.0 | 15 1 | 1.2 |
| <15% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.1 | 0 | 0.1 |
| <25% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| <50% | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 |
| <50% ≥50% | | 0.0 | | 0.0 | | | 1 | 0.1 | 3 | 0.1 |
| | Λ | $\cap \cap$ | 2 | 1 ∩ | Λ | . ()() | | | J | |
| | 0 33 | 0.0 97.1 | 2 196 | 1.0 96.6 | 0 204 | 0.0 99.5 | | | 1205 | 98 4 |
| Not recorded | 0 33 | 0.0 97.1 | 2 196 | 1.0 96.6 | 0 204 | 99.5 | 772 | 98.6 | 1205 | 98.4 |
| Not recorded Defaulted (initial 2 months) | 33 | 97.1 | 196 | 96.6 | 204 | 99.5 | 772 | 98.6 | | |
| Not recorded Defaulted (initial 2 months) <5% | 33 | 97.1 | 196 6 | 96.6 | 204 | 99.5 | 772 9 | 98.6 | 1205 17 0 | 1.4 |
| Not recorded Defaulted (initial 2 months) <5% <10% | 33 1 0 | 97.1 2.9 0.0 | 196 | 96.6 3.0 0.0 | 204 1 0 | 99.5 0.5 0.0 | 772 9 0 | 98.6 1.1 0.0 | 17 | 1.4 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% | 33 1 0 0 | 97.1 2.9 0.0 0.0 | 196 6 0 | 3.0 0.0 0.0 | 204 1 0 0 | 99.5 0.5 0.0 0.0 | 772 9 0 0 | 98.6 1.1 0.0 0.0 | 17 | 1.4 0.0 0.0 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% | 33 1 0 0 0 | 97.1 2.9 0.0 0.0 0.0 | 196 6 0 0 | 96.6 3.0 0.0 0.0 0.0 | 1 0 0 | 99.5 0.5 0.0 0.0 | 9 0 0 0 | 98.6 1.1 0.0 0.0 0.0 | 17 0 0 | 1.4 0.0 0.0 0.0 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% <50% | 33 0 0 0 0 | 97.1 2.9 0.0 0.0 | 196 6 0 | 3.0 0.0 0.0 0.0 0.0 | 204 1 0 0 | 99.5 0.5 0.0 0.0 | 772 9 0 0 | 98.6 1.1 0.0 0.0 | 17 0 0 | 1.4 0.0 0.0 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% | 33 1 0 0 0 | 97.1 2.9 0.0 0.0 0.0 0.0 | 196 0 0 0 | 96.6 3.0 0.0 0.0 0.0 | 1 0 0 0 | 99.5 0.5 0.0 0.0 0.0 | 9 0 0 0 | 98.6 1.1 0.0 0.0 0.0 0.0 | 17 0 0 0 | 1.4 0.0 0.0 0.0 0.0 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% <50% ≥50% | 33 0 0 0 0 0 | 97.1 2.9 0.0 0.0 0.0 0.0 0.0 | 196 6 0 0 0 0 | 96.6 3.0 0.0 0.0 0.0 0.0 0.0 | 204 1 0 0 0 0 0 | 99.5 0.5 0.0 0.0 0.0 0.0 | 9 0 0 0 0 | 98.6 1.1 0.0 0.0 0.0 0.0 0.0 | 17 0 0 0 0 | 1.4 0.0 0.0 0.0 0.0 0.0 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% <50% >50% Not recorded Defaulted (subsequent 4 months) | 33 0 0 0 0 0 | 97.1 2.9 0.0 0.0 0.0 0.0 0.0 | 196 6 0 0 0 0 | 96.6 3.0 0.0 0.0 0.0 0.0 0.0 | 204 1 0 0 0 0 0 | 99.5 0.5 0.0 0.0 0.0 0.0 | 9 0 0 0 0 | 98.6 1.1 0.0 0.0 0.0 0.0 0.0 | 17 0 0 0 0 | 1.4 0.0 0.0 0.0 0.0 0.0 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% <50% ≥50% Not recorded | 33 1 0 0 0 0 0 0 0 33 | 97.1 2.9 0.0 0.0 0.0 0.0 0.0 97.1 | 196 6 0 0 0 0 0 0 | 96.6 3.0 0.0 0.0 0.0 0.0 0.0 97.0 | 204 1 0 0 0 0 0 0 204 | 99.5 0.5 0.0 0.0 0.0 0.0 0.0 99.5 | 9 0 0 0 0 0 0 774 | 98.6 1.1 0.0 0.0 0.0 0.0 0.0 98.9 | 17 0 0 0 0 0 0 1208 | 1.4 0.0 0.0 0.0 0.0 0.0 98.6 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% <50% ≥50% Not recorded Defaulted (subsequent 4 months) <5% | 33 1 0 0 0 0 0 0 0 33 | 97.1 2.9 0.0 0.0 0.0 0.0 0.0 97.1 | 196 6 0 0 0 0 0 197 | 96.6 3.0 0.0 0.0 0.0 0.0 97.0 | 204 1 0 0 0 0 0 0 204 | 99.5 0.5 0.0 0.0 0.0 0.0 99.5 | 9 0 0 0 0 0 774 | 98.6 1.1 0.0 0.0 0.0 0.0 0.0 98.9 | 17 0 0 0 0 0 0 1208 | 1.4 0.0 0.0 0.0 0.0 0.0 98.6 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% <50% ≥50% Not recorded Defaulted (subsequent 4 months) <5% <10% | 33 1 0 0 0 0 0 0 33 | 97.1 2.9 0.0 0.0 0.0 0.0 97.1 2.9 0.0 | 196 6 0 0 0 0 0 197 5 0 | 96.6 3.0 0.0 0.0 0.0 0.0 97.0 2.5 0.0 | 1 0 0 0 0 0 0 204 | 99.5 0.5 0.0 0.0 0.0 0.0 99.5 0.5 0.0 | 9 0 0 0 0 0 774 8 1 | 98.6 1.1 0.0 0.0 0.0 0.0 98.9 1.0 0.1 | 17 0 0 0 0 0 0 1208 | 1.4 0.0 0.0 0.0 0.0 0.0 98.6 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% <50% ≥50% Not recorded Defaulted (subsequent 4 months) <5% <10% <15% | 33 1 0 0 0 0 0 0 0 33 1 0 0 | 97.1 2.9 0.0 0.0 0.0 0.0 97.1 2.9 0.0 0.0 | 196 6 0 0 0 0 0 197 5 0 | 96.6 3.0 0.0 0.0 0.0 0.0 97.0 2.5 0.0 0.0 | 1 0 0 0 0 0 204 | 99.5 0.5 0.0 0.0 0.0 0.0 99.5 0.5 0.0 0.0 | 9 0 0 0 0 0 774 8 1 | 98.6 1.1 0.0 0.0 0.0 0.0 98.9 1.0 0.1 | 17 0 0 0 0 0 1208 | 1.4 0.0 0.0 0.0 0.0 0.0 98.6 1.2 0.1 |
| Not recorded Defaulted (initial 2 months) <5% <10% <15% <25% <50% ≥50% Not recorded Defaulted (subsequent 4 months) <5% <10% <15% <25% <25% | 33 1 0 0 0 0 0 0 0 33 1 0 0 0 | 97.1 2.9 0.0 0.0 0.0 0.0 97.1 2.9 0.0 0.0 | 196 6 0 0 0 0 0 197 5 0 0 | 96.6 3.0 0.0 0.0 0.0 0.0 97.0 2.5 0.0 0.0 0.0 | 1 0 0 0 0 0 204 | 99.5 0.5 0.0 0.0 0.0 0.0 99.5 0.5 0.0 0.0 | 9 0 0 0 0 0 774 8 1 1 | 98.6 1.1 0.0 0.0 0.0 0.0 98.9 1.0 0.1 0.1 | 17 0 0 0 0 0 1208 | 1.4 0.0 0.0 0.0 0.0 0.0 98.6 1.2 0.1 0.1 |

Annex 1 (b) - (iii) NS (cases never seen at chest clinics) - 03

| Age group | 0 to | o 19 | 20 t | o 39 | 40 t | o 59 | 6 | 0+ | Δ | All |
|----------------------------|------|-------|------|-------|------|-------|-----|-------|------|-------|
| | N | % | N | % | N | % | N | % | N | % |
| Outcome at 6 months | | | | | | | | | | |
| Cured/ treatment completed | 1 | 2.9 | 6 | 3.0 | 6 | 2.9 | 6 | 0.8 | 19 | 1.6 |
| Still on treatment | 0 | 0.0 | 10 | 4.9 | 4 | 2.0 | 13 | 1.7 | 27 | 2.2 |
| Died | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 2.2 | 17 | 1.4 |
| Transferred | 0 | 0.0 | 4 | 2.0 | 2 | 1.0 | 1 | 0.1 | 7 | 0.6 |
| Defaulted | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 33 | 97.1 | 183 | 90.1 | 193 | 94.1 | 746 | 95.3 | 1155 | 94.3 |
| Total | 34 | 100.0 | 203 | 100.0 | 205 | 100.0 | 783 | 100.0 | 1225 | 100.0 |
| Outcome at 12 months | | | 40 | l 50 | 0 | | 4.5 | 1.0 | 0.7 | 0.0 |
| Cured/ treatment completed | 1 | 2.9 | 12 | 5.9 | 9 | 4.4 | 15 | 1.9 | 37 | 3.0 |
| Still on treatment | 0 | 0.0 | 3 | 1.5 | 0 | 0.0 | 2 | 0.3 | 5 | 0.4 |
| Died | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 19 | 2.4 | 19 | 1.6 |
| Transferred | 0 | 0.0 | 4 | 2.0 | 2 | 1.0 | 1 | 0.1 | 7 | 0.6 |
| Defaulted | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 33 | 97.1 | 184 | 90.6 | 194 | 94.6 | 746 | 95.3 | 1157 | 94.4 |
| Total | 34 | 100.0 | 203 | 100.0 | 205 | 100.0 | 783 | 100.0 | 1225 | 100.0 |
| Outcome at 24 months | _ | | | | | | | | | |
| Cured/ treatment completed | 1 | 2.9 | 14 | 6.9 | 9 | 4.4 | 19 | 2.4 | 43 | 3.5 |
| Still on treatment | 0 | 0.0 | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 1 | 0.1 |
| Died | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 19 | 2.4 | 19 | 1.6 |
| Transferred | 0 | 0.0 | 4 | 2.0 | 2 | 1.0 | 1 | 0.1 | 7 | 0.6 |
| Defaulted | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.1 | 1 | 0.1 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Revised dx/ others | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 33 | 97.1 | 184 | 90.6 | 194 | 94.6 | 743 | 94.9 | 1154 | 94.2 |
| Total | 34 | 100.0 | 203 | 100.0 | 205 | 100.0 | 783 | 100.0 | 1225 | 100.0 |

Annex 1 (c) - ES/NS (cases ever or never seen at chest clinics) - 01

| Group (Pulmonary cases) | PreRx sn | | PreRx cul | | MDR-TB | | |
|----------------------------|----------|--------------|-----------|-------|--------|--------------|--|
| | N | % | N | % | N | % | |
| | | | | | | | |
| Ever seen at chest clinics | 1 4500 1 | 00.4 | 0000 | 00.0 | 00 | 20.0 | |
| Yes | 1502 | 83.1 | 3098 | 80.2 | 26 | 92.9 | |
| No | 305 | 16.9 | 765 | 19.8 | 2 | 7.1 | |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| Ago group | | | | | | | |
| Age group 0 to 19 | 68 | 3.8 | 139 | 3.6 | 0 | 0.0 | |
| Female | 43 | 3.0 | 78 | 3.0 | 0 | 0.0 | |
| Male | 25 | | 61 | | 0 | | |
| 20 to 39 | 399 | 22.1 | 818 | 21.2 | 7 | 25.0 | |
| Female | 211 | 22.1 | 430 | 21.2 | 2 | 20.0 | |
| Male | 188 | | 388 | | 5 | | |
| 40 to 59 | 538 | 29.8 | 1003 | 26.0 | 13 | 46.4 | |
| Female | 122 | 20.0 | 240 | 20.0 | 1 | 10.1 | |
| Male | 416 | | 763 | | 12 | | |
| 60+ | 802 | 44.4 | 1903 | 49.3 | 8 | 28.6 | |
| Female | 145 | | 429 | | 5 | | |
| Male | 657 | | 1474 | | 3 | | |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| Female | 521 | 28.8 | 1177 | 30.5 | 8 | 28.6 | |
| Male | 1286 | 71.2 | 2686 | 69.5 | 20 | 71.4 | |
| | | | | 00.0 | | | |
| Marital status | | | | | | | |
| Single | 394 | 21.8 | 789 | 20.4 | 5 | 17.9 | |
| Married | 1085 | 60.0 | 2253 | 58.3 | 17 | 60.7 | |
| Separated | 15 | 0.8 | 29 | 0.8 | 1 | 3.6 | |
| Divorce | 49 | 2.7 | 83 | 2.1 | 0 | 0.0 | |
| Widowed | 30 | 1.7 | 83 | 2.1 | 1 | 3.6 | |
| Not recorded | 234 | 12.9 | 626 | 16.2 | 4 | 14.3 | |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| | | | | | | | |
| Smoking status | | <u> </u> | | | | | |
| Never | 610 | 33.8 | 1364 | 35.3 | 10 | 35.7 | |
| Ex-smoker | 499 | 27.6 | 1004 | 26.0 | 6 | 21.4 | |
| Current smoker | 421 | 23.3 | 773 | 20.0 | 7 | 25.0 | |
| Not recorded | 277 | 15.3 | 722 | 18.7 | 5 | 17.9 | |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| lootituition valated | | | | | | | |
| Institution-related | 1 227 1 | 40.4 | C44 | 45.0 | 6 | 24.4 | |
| Yes | 237 | 13.1 | 611 | 15.8 | 18 | 21.4 64.3 | |
| No Not recorded | 1385 | 76.6 10.2 | 2786 | 72.1 | 4 | | |
| Not recorded | 185 | | 466 | 12.1 | | 14.3 | |
| Total Institution | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| Client | 147 | | 363 | | 5 | | |
| Staff | 20 | - | 48 | - | 0 | <u>-</u> | |
| Institution type | 20 | - | 40 | - | U | | |
| | 101 | - | 254 | - | 1 | | |
| Old age home School | 81 | - | 232 | - | 0 | <u>-</u> | |
| | 14 | | | - | 1 | | |
| Hospital | 7 | - | 31 19 | - | 0 | - | |
| Handicapped | | | | - | | - | |
| Prison | 18 | - | 31 | - | 4 | - | |
| Others | 8 | - | 23 | - | 0 | - | |

Annex 1 (c) - ES/NS (cases ever or never seen at chest clinics) - 02

| Group (Pulmonary cases) | PreRx s | mear +ve | PreRx cu | ılture +ve | MDR-TB | | |
|---------------------------------------|----------|--------------------|-------------------|--------------------|----------------|---------------------|--|
| | N | % | N | % | N | % | |
| | | | | | | | |
| Living situation | | | | | | | |
| Street-sleeper | 5 | 0.3 | 9 | 0.2 | 0 | 0.0 | |
| Cubicle bed space | 7 | 0.4 | 14 | 0.4 | 2 | 7.1 | |
| Institution | 104 | 5.8 | 263 | 6.8 | 5 | 17.9 | |
| Work quarter | 11 | 0.6 | 22 | 0.6 | 0 | 0.0 | |
| Alone (not above) | 198 | 11.0 | 401 | 10.4 | 3 | 10.7 | |
| With friends | 51 | 2.8 | 80 | 2.1 | 0 | 0.0 | |
| With family | 1217 | 67.3 | 2494 | 64.6 | 14 | 50.0 | |
| Not recorded | 214 | 11.8 | 580 | 15.0 | 4 | 14.3 | |
| Decidential status | | | | | | | |
| Residential status Permanent resident | 1509 | 83.5 | 3116 | 80.7 | 19 | 67.9 | |
| Chinese immigrant | 34 | 1.9 | 76 | 2.0 | 2 | 7.1 | |
| Imported worker | <u> </u> | 2.3 | 70 | 1.8 | 0 | 0.0 | |
| Tourist - 2 way permit Chinese | 6 | 0.3 | 15 | 0.4 | 1 | 3.6 | |
| Other tourist | 1 | 0.3 | 3 | 0.4 | 0 | 0.0 | |
| Vietnamese | 4 | 0.1 | 8 | 0.1 | 2 | 7.1 | |
| Illegal immigrants | 3 | 0.2 | 8 5 | 0.2 | 0 | 0.0 | |
| Not recorded | 209 | 11.6 | 5 569 | 14.7 | 4 | 14.3 | |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| Total | 1007 | 100.0 | 3003 | 100.0 | 20 | 100.0 | |
| Place of birth | | | | | | | |
| Hong Kong | 668 | 37.0 | 1280 | 33.1 | 4 | 14.3 | |
| Mainland China | 802 | 44.4 | 1729 | 44.8 | 17 | 60.7 | |
| Others | 112 | 6.2 | 220 | 5.7 | 3 | 10.7 | |
| Not recorded | 225 | 12.5 | 634 | 16.4 | 4 | 14.3 | |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| Ethnicity | | | | 1 | | | |
| Chinese | 1520 | 84.1 | 3171 | 82.1 | 22 | 78.6 | |
| Other Asian | 72 | 4.0 | 118 | 3.1 | 2 | 7.1 | |
| Caucasian | 7 | 0.4 | 13 | 0.3 | 0 | 0.0 | |
| Others | 2 | 0.1 | 5 | 0.1 | 0 | 0.0 | |
| Not recorded | 206 | 11.4 | 556 | 14.4 | 4 | 14.3 | |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| | | <u> </u> | | | | | |
| Previous BCG history | | _ | | | | | |
| Yes | 453 | 25.1 | 916 | 23.7 | 2 | 7.1 | |
| No | 419 | 23.2 | 895 | 23.2 | 7 | 25.0 | |
| Unknown | 935 | 51.7 | 2052 | 53.1 | 19 | 67.9 | |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 | |
| BCG scar | | • | | | | T | |
| Yes | 452 | - | 902 | - | 3 | - | |
| No | 1007 | - | 2107 | - | 19 | - | |
| Employment status | | | | | | | |
| Full-time | 461 | 25.5 | 916 | 23.7 | 2 | 7.1 | |
| Part-time | 56 | 3.1 | 103 | 2.7 | _ 1 | 3.6 | |
| Retired | 555 | 30.7 | 1232 | 31.9 | 5 | 17.9 | |
| | 295 | 16.3 | 539 | 14.0 | 13 | 46.4 | |
| Unemployed | | 10.0 | | | | | |
| Unemployed Housewife | | 8 7 | 352 | 9.1 | 3 | 10.7 | |
| Housewife | 158 | 8.7 | 352 137 | 9.1 3.5 | 3 | 10.7 | |
| | | 8.7 3.4 12.2 | 352 137 584 | 9.1 3.5 15.1 | 3 0 4 | 10.7 0.0 14.3 | |

Annex 1 (c) - ES/NS (cases ever or never seen at chest clinics) - 03

| 9 39 1 107 17 7 8 8 8 8 8 | % 15.6 8.2 0.2 0.4 0.2 0.2 60.3 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 0.5 | 568 292 7 13 3 7 2289 684 3863 424 31 150 484 52 100 2088 | % 14.7 7.6 0.2 0.3 0.1 0.2 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | N 1 1 0 0 0 0 22 4 28 2 0 0 4 5 0 | 3.6 3.6 0.0 0.0 0.0 78.6 14.3 100.0 7.1 0.0 0.0 14.3 17.9 |
|---|--|--|---|--|---|
| 9 39 1 107 1 7 8 8 8 8 8 | 8.2 0.2 0.4 0.2 0.2 60.3 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 292 7 13 3 7 2289 684 3863 424 31 150 484 52 100 | 7.6 0.2 0.3 0.1 0.2 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 1 0 0 0 0 22 4 28 | 3.6 0.0 0.0 0.0 0.0 78.6 14.3 100.0 7.1 0.0 0.0 14.3 |
| 9 39 1 107 1 7 8 8 8 8 8 | 8.2 0.2 0.4 0.2 0.2 60.3 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 292 7 13 3 7 2289 684 3863 424 31 150 484 52 100 | 7.6 0.2 0.3 0.1 0.2 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 1 0 0 0 0 22 4 28 | 3.6 0.0 0.0 0.0 0.0 78.6 14.3 100.0 7.1 0.0 0.0 14.3 |
| 9 39 1 107 1 7 8 8 8 8 8 | 8.2 0.2 0.4 0.2 0.2 60.3 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 292 7 13 3 7 2289 684 3863 424 31 150 484 52 100 | 7.6 0.2 0.3 0.1 0.2 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 1 0 0 0 0 22 4 28 | 3.6 0.0 0.0 0.0 0.0 78.6 14.3 100.0 7.1 0.0 0.0 14.3 |
| 7 89 107 7 8 8 8 8 | 0.2 0.4 0.2 0.2 60.3 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 7 13 3 7 2289 684 3863 424 31 150 484 52 100 | 0.2 0.3 0.1 0.2 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 0 0 0 0 22 4 28 | 0.0 0.0 0.0 78.6 14.3 100.0 7.1 0.0 0.0 |
| 7 8 6 8 8 | 0.4 0.2 0.2 60.3 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 13 3 7 2289 684 3863 424 31 150 484 52 100 | 0.3 0.1 0.2 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 0 0 0 22 4 28 2 0 0 4 5 | 0.0 0.0 78.6 14.3 100.0 7.1 0.0 0.0 |
| 7 8 6 8 8 | 0.2 0.2 60.3 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 3 7 2289 684 3863 424 31 150 484 52 100 | 0.1 0.2 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 0 0 22 4 28 2 0 0 0 4 5 | 0.0 0.0 78.6 14.3 100.0 7.1 0.0 0.0 14.3 |
| 7 8 6 8 8 | 0.2 60.3 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 7 2289 684 3863 424 31 150 484 52 100 | 0.2 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 0 22 4 28 2 0 0 0 4 5 | 0.0 78.6 14.3 100.0 7.1 0.0 0.0 14.3 |
| 7 8 6 8 8 | 15.0 100.0 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 2289 684 3863 424 31 150 484 52 100 | 59.3 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 22 4 28 2 0 0 4 5 | 78.6 14.3 100.0 7.1 0.0 0.0 14.3 |
| 7 8 6 8 8 | 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 684 3863 424 31 150 484 52 100 | 17.7 100.0 11.0 0.8 3.9 12.5 1.3 2.6 | 2 0 0 4 5 | 14.3 100.0 7.1 0.0 0.0 14.3 |
| 7 | 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 3863 424 31 150 484 52 100 | 11.0 0.8 3.9 12.5 1.3 2.6 | 28 2 0 0 4 5 | 7.1 0.0 0.0 14.3 |
| 7 3 5 8 8 8 | 12.6 1.0 4.7 10.4 1.0 2.5 56.9 | 424 31 150 484 52 100 | 11.0 0.8 3.9 12.5 1.3 2.6 | 2 0 0 4 5 | 7.1 0.0 0.0 14.3 |
| 8 8 8 | 1.0 4.7 10.4 1.0 2.5 56.9 | 31 150 484 52 100 | 0.8 3.9 12.5 1.3 2.6 | 0 0 4 5 | 0.0 0.0 14.3 |
| 8 8 8 | 1.0 4.7 10.4 1.0 2.5 56.9 | 31 150 484 52 100 | 0.8 3.9 12.5 1.3 2.6 | 0 0 4 5 | 0.0 0.0 14.3 |
| 8 8 8 | 1.0 4.7 10.4 1.0 2.5 56.9 | 31 150 484 52 100 | 0.8 3.9 12.5 1.3 2.6 | 0 0 4 5 | 0.0 0.0 14.3 |
| 8 | 4.7 10.4 1.0 2.5 56.9 | 150 484 52 100 | 3.9 12.5 1.3 2.6 | 0 4 5 | 0.0 14.3 |
| 8 | 10.4 1.0 2.5 56.9 | 484 52 100 | 12.5 1.3 2.6 | 4 5 | 14.3 |
| 3 | 1.0 2.5 56.9 | 52 100 | 1.3 2.6 | 5 | |
| ; | 2.5 56.9 | 100 | 2.6 | | |
| | 56.9 | | | | 0.0 |
| | | | 54.1 | 11 | 39.3 |
| | | 20 | 0.5 | 1 | 3.6 |
| | 0.2 | 3 | 0.1 | 0 | 0.0 |
| 4 | 10.2 | 511 | 13.2 | 5 | 17.9 |
| | 100.0 | 3863 | 100.0 | 28 | 100.0 |
| | | | • | | <u>,L</u> |
| | | | | | |
| 19 | 85.2 | 3022 | 78.2 | 21 | 75.0 |
| 3 | 4.6 | 330 | 8.5 | 2 | 7.1 |
| 5 | 10.2 | 511 | 13.2 | 5 | 17.9 |
|)7 1 | 100.0 | 3863 | 100.0 | 28 | 100.0 |
| | | | | | |
| | - | | - | | - |
| | - | | - | | - |
|) | - | 222 | - | 1 | - |
| | | | | | |
| 2 | Q2 1 | 2975 | 7// / | 10 | 67.9 |
| J | | | | | 0.0 |
| | | | | | 0.0 |
| | | | | | 0.0 |
| | | | | | 10.7 |
| | | | | | 3.6 |
| | | | | | 0.0 |
| | | | | | 17.9 |
| | | | | | 100.0 |
| 1 | 1 3 7 | 2 - 5 - 33 82.1 0.3 0.2 0.1 4 1.3 3 4.9 0.3 7 10.9 | 2 - 562 5 - 222 33 82.1 2875 0.3 55 0.2 33 0.1 3 4 1.3 118 3 4.9 224 0.3 14 7 10.9 541 | 2 - 562 - 5 - 222 - 33 82.1 2875 74.4 0.3 55 1.4 0.2 33 0.9 0.1 3 0.1 4 1.3 118 3.1 3 4.9 224 5.8 0.3 14 0.4 7 10.9 541 14.0 | 2 - 562 - 4 5 - 222 - 1 33 82.1 2875 74.4 19 0.3 55 1.4 0 0.2 33 0.9 0 0.1 3 0.1 0 4 1.3 118 3.1 3 3 4.9 224 5.8 1 0.3 14 0.4 0 7 10.9 541 14.0 5 |

| Group (Pulmonary cases) | PreRx sm | near +ve | PreRx cul | ture +ve | MDR | -TB |
|----------------------------------|----------|----------|-----------|----------|-----|-------|
| . ` , | N | % | N | % | N | % |
| | • | | <u> </u> | <u>.</u> | | |
| Contact with TB patients | | | | | | |
| Yes | 71 | 3.9 | 181 | 4.7 | 1 | 3.6 |
| No | 1532 | 84.8 | 3124 | 80.9 | 22 | 78.6 |
| Not recorded | 204 | 11.3 | 558 | 14.4 | 5 | 17.9 |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 |
| Contact type | , , , , | | | | | |
| Household | 42 | - | 118 | _ | 1 | _ |
| Work | 8 | _ | 15 | _ | 0 | _ |
| Casual | 10 | _ | 19 | _ | 0 | |
| Time of contact | 10 | _ | 19 | _ | U | |
| | 20 | _ | 57 | _ | 0 | - |
| Within 2 year | 33 | - | - | | 1 | |
| Over 2 year | აა | - | 68 | - | | - |
| Daniero el caracione la designa | | | | | | |
| Previous chemoprophylaxis | | | | | | |
| Yes | 11 | - | 22 | - | 0 | - |
| | | | | | | |
| Reason for chemoprophylaxis | • | | | | | |
| Contact | 0 | - | 3 | - | 0 | - |
| Silicosis | 1 | - | 1 | - | 0 | - |
| HIV | 1 | - | 3 | - | 0 | - |
| Old scar on CXR | 0 | - | 0 | - | 0 | - |
| Others | 1 | - | 4 | - | 0 | - |
| | | | | • | - | |
| Disease Classification | | | | | | |
| Pulmonary TB only | 1663 | 92.0 | 3423 | 88.6 | 26 | 92.9 |
| Both pulm & extrapulm | 144 | 8.0 | 440 | 11.4 | 2 | 7.1 |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 |
| 1000 | .001 | .00.0 | 0000 | .00.0 | | 100.0 |
| Case category | | | | | | |
| New case | 1572 | 87.0 | 3363 | 87.1 | 13 | 46.4 |
| Relapse | 221 | 12.2 | 469 | 12.1 | 11 | 39.3 |
| Treatment after default | 13 | 0.7 | 29 | 0.8 | 4 | 14.3 |
| | | | | | 0 | |
| Failure of previous treatment | 1 | 0.1 | 2 | 0.1 | | 0.0 |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 |
| 5 | , | | | | | |
| Disease characteristics (pulmona | | 00.0 | 4.400 | 00.0 | 40 | 10.1 |
| Extent = 1 | 535 | 29.6 | 1498 | 38.8 | 13 | 46.4 |
| Extent=1 & cavity=N | 410 | 22.7 | 1310 | 33.9 | 11 | 39.3 |
| Extent=1 & cavity=Y | 125 | 6.9 | 188 | 4.9 | 2 | 7.1 |
| Extent = 2 | 638 | 35.3 | 1076 | 27.9 | 5 | 17.9 |
| Extent=2 & cavity=N | 427 | 23.6 | 797 | 20.6 | 3 | 10.7 |
| Extent=2 & cavity=Y | 211 | 11.7 | 279 | 7.2 | 2 | 7.1 |
| Extent=3 | 382 | 21.1 | 529 | 13.7 | 5 | 17.9 |
| Extent=3 & cavity=N | 190 | 10.5 | 309 | 8.0 | 1 | 3.6 |
| Extent=3 & cavity=Y | 192 | 10.6 | 220 | 5.7 | 4 | 14.3 |
| Extent=not specified | 252 | 13.9 | 760 | 19.7 | 5 | 17.9 |
| Extent=ns & cavity=N | 249 | 13.8 | 756 | 19.6 | 5 | 17.9 |
| Extent=ns & cavity=Y | 3 | 0.2 | 4 | 0.1 | 0 | 0.0 |
| Cavity=N | 1276 | 70.6 | 3172 | 82.1 | 20 | 71.4 |
| Cavity=Y | 531 | 29.4 | 691 | 17.9 | 8 | 28.6 |
| Ouvity—1 | 551 | 23.7 | UJI | 11.5 | U | 20.0 |
| 6 month short source treatment | | | | | | |
| 6-month short course treatment | 400 | 44.0 | 000 | 45 7 | | 0.0 |
| Yes | 199 | 11.0 | 606 | 15.7 | 0 | 0.0 |
| 2HRZE+4HR | 174 | 9.6 | 537 | 13.9 | 0 | 0.0 |
| 2HRZS+4HR | 8 | 0.4 | 31 | 8.0 | 0 | 0.0 |
| Other standard regimen based o | n HRZES | | | | | |
| Yes | 941 | 52.1 | 1747 | 45.2 | 3 | 10.7 |

Annex 1 (c) - ES/NS (cases ever or never seen at chest clinics) - 05

| Group (Pulmonary cases) | PreRx s | mear +ve | PreRx cu | Ilture +ve | | R-TB |
|--------------------------------------|-------------------|------------|------------|------------|---------------|--------------|
| | N | % | N | % | N | % |
| | | | | | | |
| Treatment supervision | | | | | | |
| Jnder DOT at chest clinic, hospita | · • | , | | · · | | |
| >90% | 1214 | 67.2 | 2411 | 62.4 | 24 | 85.7 |
| >75% | 119 | 6.6 | 237 | 6.1 | 1 | 3.6 |
| >50% | 58 | 3.2 | 142 | 3.7 | 0 | 0.0 |
| >25% | 32 | 1.8 | 83 | 2.1 | 1 | 3.6 |
| ≤25% | 42 | 2.3 | 109 | 2.8 | 0 | 0.0 |
| Not recorded | 342 | 18.9 | 881 | 22.8 | 2 | 7.1 |
| Under DOT at chest clinic, hospita | | | | | 47 | 00.7 |
| >90% | 960 | 53.1 | 1964 | 50.8 | 17 | 60.7 14.3 |
| >75% >50% | 178 94 | 9.9 5.2 | 332 205 | 8.6 5.3 | <u>4</u> 0 | 0.0 |
| >25% | 77 | 4.3 | 160 | 4.1 | 0 | 0.0 |
| <25% | 94 | 5.2 | 199 | 5.2 | 1 | 3.6 |
| Not recorded | 404 | 22.4 | 1003 | 26.0 | 6 | 21.4 |
| Inder supervision by relatives (init | _ | 22.4 | 1003 | 20.0 | 0 | 21.4 |
| >90% | 9 | 0.5 | 21 | 0.5 | 0 | 0.0 |
| >75% | 4 | 0.3 | 10 | 0.3 | 0 | 0.0 |
| >50% | 3 | 0.2 | 10 | 0.3 | 0 | 0.0 |
| >25% | 2 | 0.2 | 4 | 0.3 | 0 | 0.0 |
| ≤25% | 1133 | 62.7 | 2306 | 59.7 | 18 | 64.3 |
| Not recorded | 656 | 36.3 | 1512 | 39.1 | 10 | 35.7 |
| Under supervision by relatives (sul | | | 1012 | 00.1 | | 00.1 |
| >90% | 7 | 0.4 | 22 | 0.6 | 1 | 3.6 |
| >75% | 8 | 0.4 | 21 | 0.5 | 0 | 0.0 |
| >50% | 9 | 0.5 | 20 | 0.5 | 0 | 0.0 |
| >25% | 5 | 0.3 | 12 | 0.3 | 0 | 0.0 |
| ≤25% | 1077 | 59.6 | 2196 | 56.8 | 14 | 50.0 |
| Not recorded | 701 | 38.8 | 1592 | 41.2 | 13 | 46.4 |
| Supplied for unsupervised treatme | nt (initial 2 mor | | 1 | | | |
| <5% | 1166 | 64.5 | 2351 | 60.9 | 24 | 85.7 |
| <10% | 54 | 3.0 | 108 | 2.8 | 0 | 0.0 |
| <15% | 37 | 2.0 | 80 | 2.1 | 0 | 0.0 |
| <25% | 47 | 2.6 | 94 | 2.4 | 0 | 0.0 |
| <50% | 42 | 2.3 | 94 | 2.4 | 0 | 0.0 |
| ≥50% | 33 | 1.8 | 91 | 2.4 | 0 | 0.0 |
| Not recorded | 428 | 23.7 | 1045 | 27.1 | 4 | 14.3 |
| Supplied for unsupervised treatme | | | | | | |
| <5% | 956 | 52.9 | 1960 | 50.7 | 17 | 60.7 |
| <10% | 109 | 6.0 | 213 | 5.5 | 1 | 3.6 |
| <15% | 58 | 3.2 | 107 | 2.8 | 1 | 3.6 |
| <25% | 57 | 3.2 | 124 | 3.2 | 2 | 7.1 |
| <50% | 60 | 3.3 | 135 | 3.5 | 0 | 0.0 |
| ≥50% | 119 | 6.6 | 231 | 6.0 | 0 | 0.0 |
| Not recorded | 448 | 24.8 | 1093 | 28.3 | 7 | 25.0 |
| Defaulted (initial 2 months) | 10:- | | 0=== | 00.5 | | |
| <5% | 1245 | 68.9 | 2556 | 66.2 | 22 | 78.6 |
| <10% | 23 | 1.3 | 47 | 1.2 | 0 | 0.0 |
| <15% | 13 | 0.7 | 27 | 0.7 | 0 | 0.0 |
| <25% | 22 | 1.2 | 44 | 1.1 | 0 | 0.0 |
| <50% | 13 | 0.7 | 29 | 0.8 | 1 | 3.6 |
| ≥50% | 11 | 0.6 | 31 | 0.8 | 0 | 0.0 |
| Not recorded | 480 | 26.6 | 1129 | 29.2 | 5 | 17.9 |
| Defaulted (subsequent 4 months) | 4454 | 00.0 | 0000 | C4 C | 47 | 00.7 |
| <5% | 1154 | 63.9 | 2380 | 61.6 | 17 | 60.7 |
| <10% | 47 | 2.6 | 95 | 2.5 | 2 | 7.1 |
| <15% | 22 | 1.2 | 42 | 1.1 | 0 | 0.0 |
| <25% | 22 | 1.2 | 49 | 1.3 | 0 | 0.0 |
| <50% | 23 | 1.3 | 49 | 1.3 | 0 | 0.0 |
| ≥50% | 18 | 1.0 | 36 | 0.9 | 0 | 0.0 |
| Not recorded | 521 | 28.8 | 1212 | 31.4 | 9 | 32.1 |

Annex 1 (c) - ES/NS (cases ever or never seen at chest clinics) - 06

| Group (Pulmonary cases) | PreRx smear +ve | | PreRx culture +ve | | MDR-TB | |
|----------------------------|-----------------|-------|-------------------|-------|--------|-------|
| | N | % | N | % | N | % |
| | | | | | | |
| Outcome at 6 months | | | | | | |
| Cured/ treatment completed | 345 | 19.1 | 913 | 23.6 | 1 | 3.6 |
| Still on treatment | 1023 | 56.6 | 1883 | 48.7 | 21 | 75.0 |
| Died | 63 | 3.5 | 133 | 3.4 | 1 | 3.6 |
| Transferred | 32 | 1.8 | 74 | 1.9 | 5 | 17.9 |
| Defaulted | 39 | 2.2 | 93 | 2.4 | 0 | 0.0 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 305 | 16.9 | 767 | 19.9 | 0 | 0.0 |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 |

Outcome at 12 months

| Cured/ treatment completed | 1187 | 65.7 | 2447 | 63.3 | 1 | 3.6 |
|----------------------------|------|-------|------|-------|----|-------|
| Still on treatment | 146 | 8.1 | 289 | 7.5 | 18 | 64.3 |
| Died | 92 | 5.1 | 193 | 5.0 | 4 | 14.3 |
| Transferred | 37 | 2.0 | 79 | 2.0 | 3 | 10.7 |
| Defaulted | 52 | 2.9 | 116 | 3.0 | 2 | 7.1 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 293 | 16.2 | 739 | 19.1 | 0 | 0.0 |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 |

Annex 1 (c) - ES/NS (cases ever or never seen at chest clinics) - 07

| Group (Pulmonary cases) | PreRx sn | near +ve | PreRx cı | ılture +ve | MDF | R-TB |
|---|----------|----------|----------|------------|-----|----------|
| 2 | N | % | N | % | N | <u> </u> |
| | | 7,0 | | ,,, | | ,,, |
| Outcome at 24 months | | | | | | |
| Cured/ treatment completed | 1316 | 72.8 | 2727 | 70.6 | 14 | 50.0 |
| Still on treatment | 6 | 0.3 | 6 | 0.2 | 0 | 0.0 |
| Died | 97 | 5.4 | 203 | 5.3 | 5 | 17.9 |
| Transferred | 35 | 1.9 | 71 | 1.8 | 4 | 14.3 |
| Defaulted | 57 | 3.2 | 115 | 3.0 | 4 | 14.3 |
| Failure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 296 | 16.4 | 741 | 19.2 | 1 | 3.6 |
| Total | 1807 | 100.0 | 3863 | 100.0 | 28 | 100.0 |
| Total | 1007 | 100.0 | 3003 | 100.0 | 20 | 100.0 |
| Among those cured/ treatment co | ompleted | | | | | |
| Bacteriological conversion | 1290 | 98.0 | 2557 | 93.8 | 13 | 92.9 |
| Radiological improvement | 1262 | 95.9 | 2507 | 91.9 | 13 | 92.9 |
| Other clinical improvement | 408 | 31.0 | 846 | 31.0 | 4 | 28.6 |
| No evidence of response | 3 | 0.2 | 7 | 0.3 | 0 | 0.0 |
| After treatment completed: | ა | 0.2 | 1 | 0.3 | U | 0.0 |
| No relapse | 1010 | 76.7 | 2133 | 78.2 | 13 | 92.9 |
| Loss to follow up | 207 | 15.7 | 384 | 14.1 | 1 | 7.1 |
| Died | 31 | 2.4 | 80 | 2.9 | 0 | 0.0 |
| TB-related | | 2.4 | | 2.9 | | |
| Not TB-related | 1 | | 50 | | 0 | |
| | 22 | | 59 | | 0 | |
| Unknown | 7 13 | 1.0 | 16 21 | | 0 | 0.0 |
| Relapse | | 1.0 | | 0.8 | | 0.0 |
| Bacteriological | 8 | | 12 | | 0 | |
| Histological | 4 | | 2 | | 0 | |
| Clinico-radiological | 1 | | 7 | | 0 | |
| Not recorded | 55 | 4.2 | 109 | 4.0 | 0 | 0.0 |
| | | | | | | |
| Among those still on treatment | | | | | | |
| Reasons for still on treatment: | | | | T . | | T |
| Retreatment case | 0 | - | 0 | - | 0 | - |
| Extrapulmonary disease | 0 | - | 0 | - | 0 | - |
| Extensive disease | 2 | - | 2 | - | 0 | - |
| Interrupted treatment | 1 | - | 1 | - | 0 | - |
| Drug resistance | 2 | - | 2 | - | 0 | - |
| Poor response | 2 | - | 2 | - | 0 | - |
| Others | 3 | - | 3 | - | 0 | - |
| | | | | | | |
| Among those died - causes of de | | | 1 | | | 1 |
| TB-related cause | 4 | 4.1 | 11 | 5.4 | 1 | 20.0 |
| Not TB-related | 68 | 70.1 | 141 | 69.5 | 2 | 40.0 |
| Unknown | 25 | 25.8 | 51 | 25.1 | 2 | 40.0 |
| | | | | | | |
| Among those transferred, new so | | | 1 | | | 1 |
| GP | 4 | 11.4 | 5 | 7.0 | 0 | 0.0 |
| Chest Clinic | 0 | 0.0 | 1 | 1.4 | 0 | 0.0 |
| Hospital | 5 | 14.3 | 10 | 14.1 | 0 | 0.0 |
| Outside HK | 20 | 57.1 | 43 | 60.6 | 4 | 100.0 |
| Not recorded | 6 | 17.1 | 12 | 16.9 | 0 | 0.0 |
| | | | | | | |
| Among those defaulted | | | | | | |
| Never found | 41 | 71.9 | 76 | 66.1 | 4 | 100.0 |
| Retreated after default | 6 | 10.5 | 13 | 11.3 | 0 | 0.0 |
| Treatment stopped by doctor | 4 | 7.0 | 8 | 7.0 | 0 | 0.0 |
| Not recorded | 6 | 10.5 | 18 | 15.7 | 0 | 0.0 |
| | | | | | | |

Annex 1 (c) - ES/NS (cases ever or never seen at chest clinics) - 08

| Drug susceptibility pattern N % N % N % Streptomycin - R 110 7.8 220 7.7 19 67.9 Streptomycin - S 1296 92.2 2626 92.3 9 32.1 Isoniazid - R 70 5.0 132 4.6 28 100.0 Isoniazid - S 1337 95.0 2715 95.4 0 0.0 Rifampicin - R 21 1.5 37 1.3 28 100.0 Rifampicin - S 1385 98.5 2809 98.7 0 0.0 Ethambutol - R 14 1.0 16 0.6 10 37.0 Ethambutol - S 1392 99.0 2829 99.4 17 63.0 Pyrazinamide - R 10 25.0 12 16.2 7 33.3 Pyrazinamide - S 30 75.0 62 83.8 14 16.7 Officoxacin - R 5 11.6 | Group (Pulmonary cases) | PreRx sr | near +ve | PreRx cu | Iture +ve | MDR | -ТВ |
|--|---------------------------------------|---------------|------------------|-----------------|--------------|------|------|
| Streptomycin - R | | N | % | N | % | N | % |
| Streptomycin - R | | | | | | | |
| Streptomycin - S | | | | | | | |
| Soniazid - R | | | | | | 19 | |
| Isoniazid - S | Streptomycin - S | 1296 | 92.2 | 2626 | 92.3 | 9 | 32.1 |
| Isoniazid - S | | | | | | | |
| Rifampicin - R | | | | | | | |
| Rifampicin - S | Isoniazid - S | 1337 | 95.0 | 2715 | 95.4 | 0 | 0.0 |
| Rifampicin - S | lar | | | | 4.0 | | 1000 |
| Ethambutol - R Ithambutol - S Ithambutol - S | | | | | | | |
| Ethambutol - S | Rifampicin - S | 1385 | 98.5 | 2809 | 98.7 | 0 | 0.0 |
| Ethambutol - S | Ethombutol D | 4.4 | 4.0 | 10 | 0.0 | 40 | 27.0 |
| Pyrazinamide - R | | | | | | | |
| Pyrazinamide - S 30 75.0 62 83.8 14 66.7 | Etnambutoi - S | 1392 | 99.0 | 2829 | 99.4 | 17 | 63.0 |
| Pyrazinamide - S 30 75.0 62 83.8 14 66.7 | Dyrazinamida P | 10 | 2F 0 | 10 1 | 16.2 | 7 | 22.2 |
| Offoxacin - R | | | | | | | |
| Offloxacin - S 38 88.4 89 93.7 22 84.6 | Pyrazinamide - 5 | 30 | 75.0 | 02 | 03.0 | 14 | 00.7 |
| Offloxacin - S 38 88.4 89 93.7 22 84.6 | Oflovacin - P | 5 | 11.6 | 6 | 6.3 | 1 | 15.4 |
| Smear at 2 month = N | | | | | | | |
| 1. Smear at 2 month = N | Olloxaciii - S | 30 | 00.4 | 09 | 93.7 | 22 | 04.0 |
| 1. Smear at 2 month = N | Smear conversion rates | | | | | | |
| 2. Smear at 2 month = P (b) 116 6 2. Sm 2m (P); Sm 3m (N) (c) 68 0 2. Sm 2m (P); Sm 3m (N) (c) 68 0 2. Sm 2m (P); Sm 3m (P) (d) 27 4 2. Sm 2m (P); Sm 3m (U) (e) 21 2 3. Smear at 2 month = U (f) 780 10 3. Sm 2m (U); Sm 3m (N) (g) 259 4 3. Sm 2m (U); Sm 3m (P) (h) 9 0 3. Sm 2m (U); Sm 3m (P) (h) 9 0 3. Sm 2m (U); Sm 3m (U) (i) 512 6 Overall percentage of smear conversion at 2m = (a)/ [(a)+(b)] 88.7 | | 911 | | | | 12 | 1 |
| 2. Sm 2m (P); Sm 3m (N) (c) 68 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | | | | |
| 2. Sm 2m (P); Sm 3m (P) (d) 27 | | | | | | | |
| 2. Sm 2m (P); Sm 3m (U) (e) 21 2 3. Smear at 2 month = U (f) 780 10 3. Sm 2m (U); Sm 3m (N) (g) 259 4 3. Sm 2m (U); Sm 3m (P) (h) 9 0 3. Sm 2m (U); Sm 3m (U) (i) 512 6 Overall percentage of smear conversion at 2m = (a)/ [(a)+(b)] 88.7 | | | | | | | |
| 3. Smear at 2 month = U (f) 780 | | | | | | | |
| 3. Sm 2m (U); Sm 3m (N) (g) 259 4 3. Sm 2m (U); Sm 3m (P) (h) 9 3. Sm 2m (U); Sm 3m (U) (i) 512 6 Overall percentage of smear conversion at 2m = (a)/ [(a)+(b)] 88.7 - 66.7 Overall percentage of smear conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] 97.2 - 80.0 Culture conversion rates 1. Culture at 2 month = N (a) 1569 7 2. Culture at 2 month = P (b) 277 10 2. Cu 2m (P); Cu 3m (N) (c) 131 1 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | | | | | | | |
| 3. Sm 2m (U); Sm 3m (P) (h) 9 0 3. Sm 2m (U); Sm 3m (U) (i) 512 6 Overall percentage of smear conversion at 2m = (a)/ [(a)+(b)] 88.7 - 66.7 Overall percentage of smear conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] 97.2 - 80.0 Culture conversion rates 1. Culture at 2 month = N (a) 1569 7 2. Culture at 2 month = P (b) 277 10 2. Cu 2m (P); Cu 3m (N) (c) 131 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] Coverall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | · · · | | | | | | |
| 3. Sm 2m (U); Sm 3m (U) (i) 512 6 Overall percentage of smear conversion at 2m = (a)/ [(a)+(b)] 88.7 - 66.7 Overall percentage of smear conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] 97.2 - 80.0 Culture conversion rates 1. Culture at 2 month = N (a) 1569 7 2. Culture at 2 month = P (b) 277 10 2. Cu 2m (P); Cu 3m (N) (c) 131 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | | | | | | | |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | | | | | | |
| Overall percentage of smear conversion at $3m = [(a)+(c)+(g)]/[(a)+(c)+(d)+(g)+(h)]$ $ 97.2 $ | | | m = (a)/[(a) | +(b)] | | | |
| Culture conversion rates 1. Culture at 2 month = N (a) 1569 7 2. Culture at 2 month = P (b) 277 10 2. Cu 2m (P); Cu 3m (N) (c) 131 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (V) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | i i i i i i i i i i i i i i i i i i i | | (=-)- [(=-) | - | | 66.7 | |
| Culture conversion rates 1. Culture at 2 month = N (a) 1569 7 2. Culture at 2 month = P (b) 277 10 2. Cu 2m (P); Cu 3m (N) (c) 131 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (V) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | Overall percentage of smear con | | m = [(a) + (c) | +(g)]/ [(a)+(c) | +(d)+(g)+(h) | | |
| 1. Culture at 2 month = N (a) 1569 7 2. Culture at 2 month = P (b) 277 10 2. Cu 2m (P); Cu 3m (N) (c) 131 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] - 85.0 41.2 Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | | | L () () | - | , (0) | | |
| 1. Culture at 2 month = N (a) 1569 7 2. Culture at 2 month = P (b) 277 10 2. Cu 2m (P); Cu 3m (N) (c) 131 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] - 85.0 41.2 Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | • | | | | | • | |
| 2. Culture at 2 month = P (b) 277 10 2. Cu 2m (P); Cu 3m (N) (c) 131 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | Culture conversion rates | | | | | | |
| 2. Cu 2m (P); Cu 3m (N) (c) 131 1 1 2. Cu 2m (P); Cu 3m (P) (d) 38 5 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 5.0 Overall percentage of culture conversion at 2m = (a)/[(a)+(b)] | \ / | | | 1569 | | 7 | |
| 2. Cu 2m (P); Cu 3m (P) (d) 38 5 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | 2. Culture at 2 month = P (b) | | | 277 | | 10 | |
| 2. Cu 2m (P); Cu 3m (U) (e) 108 4 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | 2. Cu 2m (P); Cu 3m (N) (c) | | | 131 | | | |
| 3. Culture at 2 month = U (f) 2017 11 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at $2m = (a)/[(a)+(b)]$ - 85.0 41.2 Overall percentage of culture conversion at $3m = [(a)+(c)+(g)]/[(a)+(c)+(d)+(g)+(h)]$ | | | | | | 5 | |
| 3. Cu 2m (U); Cu 3m (N) (g) 538 3 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | | | | | | | |
| 3. Cu 2m (U); Cu 3m (P) (h) 20 0 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] - 85.0 41.2 Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | | | | | | | |
| 3. Cu 2m (U); Cu 3m (U) (i) 1459 8 Overall percentage of culture conversion at 2m = (a)/ [(a)+(b)] - 85.0 41.2 Overall percentage of culture conversion at 3m = [(a)+(c)+(g)]/ [(a)+(c)+(d)+(g)+(h)] | () | | | | | | |
| Overall percentage of culture conversion at $2m = (a)/[(a)+(b)]$ | | | | | | | |
| | | | | | | 8 | |
| Overall percentage of culture conversion at $3m = \frac{[(a)+(c)+(g)]}{[(a)+(c)+(d)+(g)+(h)]}$ | Overall percentage of culture cor | oversion at 2 | m = (a)/ [(a) | | | | |
| | | - | | | · () () | | |
| - 97.5 68.8 | Overall percentage of culture cor | oversion at 3 | m = [(a)+(c) | |)+(d)+(g)+(h | | |
| | | - | | 97.5 | | 68.8 | |

Annex 1 (d) - ES/NS (cases ever or never seen at chest clinics) - 01

| Group | New pulmonary smear +ve | | ReRx pulmonar | y smear +ve |
|---|-------------------------|--|---------------|-------------|
| | N | % | N | % |
| | | | - | |
| Ever seen at chest clinics | 1011 | 22.2 | 100 | 00.0 |
| Yes | 1314 | 83.6 | 188 | 80.0 |
| No | 258 | 16.4 | 47 | 20.0 |
| Total | 1572 | 100.0 | 235 | 100.0 |
| Age group | | | | |
| 0 to 19 | 67 | 4.3 | 1 | 0.4 |
| Female | 43 | 4.0 | 0 | 0.4 |
| Male | 24 | | 1 | |
| 20 to 39 | 379 | 24.1 | 20 | 8.5 |
| Female | 208 | | 3 | 0.0 |
| Male | 171 | | 17 | |
| 40 to 59 | 470 | 29.9 | 68 | 28.9 |
| Female | 107 | | 15 | |
| Male | 363 | | 53 | |
| 60+ | 656 | 41.7 | 146 | 62.1 |
| Female | 124 | | 21 | |
| Male | 532 | | 125 | |
| Total | 1572 | 100.0 | 235 | 100.0 |
| Female | 482 | 30.7 | 39 | 16.6 |
| Male | 1090 | 69.3 | 196 | 83.4 |
| | | | | |
| Disease Classification | | | | |
| Pulmonary TB only | 1440 | 91.6 | 223 | 94.9 |
| Both pulmon and extrapulm | 132 | 8.4 | 12 | 5.1 |
| Total | 1572 | 100.0 | 235 | 100.0 |
| | | | | |
| 6-month short course treatment | 404 | 10.0 | | 2.4 |
| Yes | 194 | 12.3 | 5 | 2.1 |
| 2HRZE+4HR | 170 | 10.8 | 4 | 1.7 |
| 2HRZS+4HR | 8 | 0.5 | 0 | 0.0 |
| Other standard regimen based on Yes | | F2.0 | 400 | FO 2 |
| res | 818 | 52.0 | 123 | 52.3 |
| Outcome at 6 months | | | | |
| Cured/ treatment completed | 335 | 21.3 | 10 | 4.3 |
| Still on treatment | 861 | 54.8 | 162 | 68.9 |
| Died | 52 | 3.3 | 11 | 4.7 |
| Transferred | 30 | 1.9 | 2 | 0.9 |
| Defaulted | 32 | 2.0 | 7 | 3.0 |
| Failure | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 262 | 16.7 | 43 | 18.3 |
| Total | 1572 | 100.0 | 235 | 100.0 |
| , , , , , , , , , , , , , , , , , , , | <u></u> | <u>, </u> | <u>'</u> | |
| Outcome at 12 months | | | | |
| Cured/ treatment completed | 1056 | 67.2 | 131 | 55.7 |
| Still on treatment | 116 | 7.4 | 30 | 12.8 |
| Died | 77 | 4.9 | 15 | 6.4 |
| Transferred | 36 | 2.3 | 1 | 0.4 |
| Defaulted | 43 | 2.7 | 9 | 3.8 |
| Failure | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 244 | 15.5 | 49 | 20.9 |
| Total | 1572 | 100.0 | 235 | 100.0 |

Annex 1 (d) - ES/NS (cases ever or never seen at chest clinics) - 02

| Group | New pulmonar | y smear +ve | ReRx pulmonar | y smear +ve |
|--|----------------|-------------|---------------|-------------|
| | N | % | N | % |
| | | | | |
| Outcome at 24 months | | | T | |
| Cured/ treatment completed | 1158 | 73.7 | 158 | 67.2 |
| Still on treatment | 5 | 0.3 | 1 | 0.4 |
| Died | 81 | 5.2 | 16 | 6.8 |
| Transferred | 33 | 2.1 | 2 | 0.9 |
| Defaulted | 45 | 2.9 | 12 | 5.1 |
| Failure | 0 | 0.0 | 0 | 0.0 |
| Not recorded | 250 | 15.9 | 46 | 19.6 |
| Total | 1572 | 100.0 | 235 | 100.0 |
| A | | | | |
| Among those cured/ treatment con | | 20.4 | 450 | 0.1.0 |
| Bacteriological conversion | 1140 | 98.4 | 150 | 94.9 |
| Radiological improvement | 1123 | 71.4 | 139 | 59.1 |
| Other clinical improvement | 365 | 23.2 | 43 | 18.3 |
| No evidence of response | 2 | 0.1 | 1 | 0.4 |
| After treatment completed: | | | 1 | |
| No relapse | 894 | 56.9 | 116 | 49.4 |
| Loss to follow up | 183 | 11.6 | 24 | 10.2 |
| Died | 25 | 1.6 | 6 | 2.6 |
| TB-related | 0 | | 1 | |
| Not TB-related | 17 | | 5 | |
| Unknown | 7 | | 0 | |
| Relapse | 9 | 0.6 | 4 | 1.7 |
| Bacteriological | 6 | | 2 | |
| Histological | 0 | | 0 | |
| Clinico-radiological | 3 | | 2 | |
| Not recorded | 47 | 3.0 | 8 | 3.4 |
| Among those still on treatment | | | | |
| Reasons for still on treatment: | | | | |
| Retreatment case | 0 | | 0 | |
| Extrapulmonary disease | 0 | _ | 0 | |
| Extrapalmentary disease Extensive disease | 1 | | 1 | |
| Interrupted treatment | 1 | - | 0 | <u> </u> |
| Drug resistance | 2 | - | 0 | <u> </u> |
| Poor response | 1 | <u>-</u> | 1 | <u> </u> |
| Others | 2 | - | 1 | <u>-</u> |
| 0.11010 | | | | |
| Among those died - causes of dea | ath: | | | |
| TB-related cause | 3 | 3.7 | 1 | 6.3 |
| Not TB-related | 57 | 70.4 | 11 | 68.8 |
| Unknown | 21 | 25.9 | 4 | 25.0 |
| 2.110.0011 | - · | 20.0 | <u>'</u> | |
| Among those transferred, new sou | irces of care. | | | |
| GP | 3 | 9.1 | 1 | 50.0 |
| Chest Clinic | 0 | 0.0 | 0 | 0.0 |
| Hospital | 5 | 15.2 | 0 | 0.0 |
| Outside HK | 19 | 57.6 | 1 | 50.0 |
| Not recorded | 6 | 18.2 | 0 | 0.0 |
| Not recorded | U | 10.2 | ı U | 0.0 |
| Among those defaulted | | | | |
| Never found | 30 | 66.7 | 11 | 91.7 |
| Retreated after default | 6 | 13.3 | 0 | 0.0 |
| | 3 | 6.7 | 1 | 8.3 |
| Treatment stopped by doctor Not recorded | 6 | | | |
| INOLIECOTOEO | Ö | 13.3 | 0 | 0.0 |

Annex 1 (e) - Treatment defaulters - 01

| Ever seen at chest clinics | N | % |
|----------------------------|--------|-------|
| Yes | 179 | 99.4 |
| No | 1 | 0.6 |
| Total | 180 | 100.0 |
| | • | |
| Age group | | |
| 0 to 19 | 5 | 2.8 |
| Female | 1 | |
| Male | 4 | |
| 20 to 39 | 63 | 35.0 |
| Female | 20 | |
| Male | 43 | |
| 40 to 59 | 54 | 30.0 |
| Female | 8 | |
| Male | 46 | |
| 60+ | 58 | 32.2 |
| Female | 11 | |
| Male | 47 | |
| Total | 180 | 100.0 |
| Female | 40 | 22.2 |
| Male | 140 | 77.8 |
| | | |
| Marital status | 1 04 1 | 00.0 |
| Single | 61 | 33.9 |
| Married | 94 | 52.2 |
| Separated | 0 | 0.0 |
| Divorce | 9 | 5.0 |
| Widowed | | 1.7 |
| Not recorded | 13 | 7.2 |
| Total | 180 | 100.0 |
| Smoking status | | |
| Never | 38 | 21.1 |
| Ex-smoker | 43 | 23.9 |
| Current smoker | 81 | 45.0 |
| Not recorded | 18 | 10.0 |
| Total | 180 | 100.0 |
| | | |
| Institution-related | | |
| Yes | 12 | 6.7 |
| No | 157 | 87.2 |
| Not recorded | 11 | 6.1 |
| Total | 180 | 100.0 |
| Institution | | |
| Client | 6 | - |
| Staff | 1 | - |
| Institution type | • | |
| Old age home | 0 | - |
| School | 4 | - |
| Hospital | 0 | - |
| Handicapped | 0 | - |
| Prison | 7 | - |
| Others | 0 | - |
| | | |

Annex 1 (e) - Treatment defaulters - 02

| | - | |
|--------------------------------|-----|-------|
| Living situation | N | % |
| Street-sleeper | 1 | 0.6 |
| Cubicle bed space | 2 | 1.1 |
| Institution | 5 | 2.8 |
| Work quarter | 2 | 1.1 |
| Alone (not above) | 50 | 27.8 |
| With friends | 8 | 4.4 |
| With family | 94 | 52.2 |
| Not recorded | 18 | 10.0 |
| | | |
| Residential status | | |
| Permanent resident | 148 | 82.2 |
| Chinese immigrant | 6 | 3.3 |
| Imported worker | 9 | 5.0 |
| Tourist - 2 way permit Chinese | 0 | 0.0 |
| Other tourist | 0 | 0.0 |
| Vietnamese | 2 | 1.1 |
| Illegal immigrants | 1 | 0.6 |
| Not recorded | 14 | 7.8 |
| Total | 180 | 100.0 |
| Place of birth | | |
| Hong Kong | 77 | 42.8 |
| Mainland China | 70 | 38.9 |
| Others | 21 | 11.7 |
| Not recorded | 12 | 6.7 |
| Total | 180 | 100.0 |
| Ethnicity | 100 | 100.0 |
| Chinese | 149 | 82.8 |
| Other Asian | 18 | 10.0 |
| Caucasian | 0 | 0.0 |
| Others | 1 | 0.6 |
| Not recorded | 12 | 6.7 |
| Total | 180 | 100.0 |
| 1000 | 100 | 100.0 |
| Employment status | | |
| Full-time | 53 | 29.4 |
| Part-time | 9 | 5.0 |
| Retired | 44 | 24.4 |
| Unemployed | 52 | 28.9 |
| Housewife | 10 | 5.6 |
| Student | 0 | 0.0 |
| Not recorded | 12 | 6.7 |
| Total | 180 | 100.0 |
| Occupation | - | |
| Blue collar | 37 | 20.6 |
| White collar | 13 | 7.2 |
| Medical | 0 | 0.0 |
| Nursing | 0 | 0.0 |
| Paramedical | 0 | 0.0 |
| Supporting health staff | 0 | 0.0 |
| Not applicable | 113 | 62.8 |
| Not recorded | 17 | 9.4 |
| Total | 180 | 100.0 |
| | | |

Annex 1 (e) - Treatment defaulters - 03

| 7 tillox 1 (b) 11 catillo | in adiaditoro | <u>00</u> |
|------------------------------|---------------|-----------|
| First presentation | N | % |
| Private doctor | 16 | 8.9 |
| Private hospital | 1 | 0.6 |
| GOPC | 6 | 3.3 |
| Chest Clinic | 42 | 23.3 |
| Other DH Clinic | 9 | 5.0 |
| HA Clinic | 7 | 3.9 |
| HA Hospital | 87 | 48.3 |
| Mainland | 2 | 1.1 |
| Overseas | 0 | 0.0 |
| Not recorded | 10 | 5.6 |
| Total | 180 | 100.0 |
| Symptomatic on presentation | 100 | 70.0 |
| Y | 132 | 73.3 |
| Not recorded | 38 | 21.1 |
| Not recorded | 10 | 5.6 |
| Total | 180 | 100.0 |
| | 107 | 1 |
| Chest symptoms | 107 | - |
| Systemic symptoms | 17 | - |
| Other site-specific symptoms | 23 | - |
| Reason for presentation | | |
| Symptom | 124 | 68.9 |
| Contact screening | 7 | 3.9 |
| Pre-employment | 7 | 3.9 |
| Pre-emigration | 0 | 0.0 |
| Other body check | 16 | 8.9 |
| Incidental to other illness | 13 | 7.2 |
| Others | 2 | 1.1 |
| Not recorded | 11 | 6.1 |
| Total | 180 | 100.0 |
| Contact with TB patients | | |
| Yes | 12 | 6.7 |
| No | 158 | 87.8 |
| Not recorded | 10 | 5.6 |
| Total | 180 | 100.0 |
| Contact type | | |
| Household | 7 | - |
| Work | 1 | - |
| Casual | 1 | - |
| Time of contact | | |
| Within 2 year | 6 | - |
| Over 2 year | 3 | - |
| | | |

Annex 1 (e) - Treatment defaulters - 04

| Previous chemoprophylaxis | N | % |
|----------------------------------|-----------|-------|
| Yes | 2 | - |
| . 65 | _ | |
| Reason for chemoprophylaxis | | |
| Contact | 0 | - |
| Silicosis | 0 | _ |
| HIV | 0 | _ |
| Old scar on CXR | 0 | _ |
| Others | 0 | _ |
| | | |
| Disease Classification | | |
| Pulmonary TB only | 145 | 80.6 |
| Extrapulmonary TB only | 11 | 6.1 |
| Both | 24 | 13.3 |
| Total | 180 | 100.0 |
| | .00 | |
| Case category | | |
| New case | 144 | 80.0 |
| Relapse | 23 | 12.8 |
| Treatment after default | 12 | 6.7 |
| Failure of previous treatment | 1 | 0.6 |
| Total | 180 | 100.0 |
| Total | 100 | 100.0 |
| Disease characteristics (pulmona | rv cases) | |
| Pretreatment smear +ve | 60 | 35.5 |
| Pretreatment culture +ve | 115 | 68.0 |
| Extent = 1 | 85 | 50.3 |
| Extent=1 & cavity=N | 75 | 44.4 |
| Extent=1 & cavity=Y | 10 | 5.9 |
| Extent = 2 | 45 | 26.6 |
| Extent=2 & cavity=N | 35 | 20.7 |
| Extent=2 & cavity=Y | 10 | 5.9 |
| Extent=3 | 23 | 13.6 |
| Extent=3 & cavity=N | 13 | 7.7 |
| Extent=3 & cavity=Y | 10 | 5.9 |
| Extent=not specified | 16 | 9.5 |
| Extent=ns & cavity=N | 16 | 9.5 |
| Extent=ns & cavity=Y | 0 | 0.0 |
| Cavity=N | 139 | 82.2 |
| Cavity=Y | 30 | 17.8 |
| Cavity - 1 | 00 | 17.0 |
| 6-month short course treatment | | |
| Yes | 9 | 5.0 |
| 2HRZE+4HR | 5 | 2.8 |
| 2HRZS+4HR | 0 | 0.0 |
| Other standard regimen based or | | 0.0 |
| Yes | 66 | 36.7 |
| | 00 | 55.1 |
| Among those defaulted | | |
| Never found | 117 | 65.0 |
| Retreated after default | 18 | 10.0 |
| Treatment stopped by doctor | 15 | 8.3 |
| | | |
| Not recorded | 30 | 16.7 |

Annex 1 (e) - Treatment defaulters - 05

| Treatment supervision | N | % | |
|--|----------|------------|------------------|
| Under DOT at chest clinic, hospital, | | | l 2 months) |
| >90% | 48 | 26.7 | |
| >75% | 25 | 13.9 | |
| >50% | 22 | 12.2 | |
| >25% | 19 | 10.6 | |
| ≤25% | 26 | 14.4 | |
| Not recorded | 40 | 22.2 | |
| Under DOT at chest clinic, hospital, | | | equent 4 months) |
| >90% | 19 | 10.6 | |
| >75% >50% | 10 | 5.6 | |
| >25% | 16 16 | 8.9 8.9 | |
| >25% ≤25% | 32 | 17.8 | |
| Not recorded | 87 | 48.3 | |
| | _ | 46.3 | |
| Under supervision by relatives (initi >90% | | 0.6 | |
| >75% | 1 1 | 0.6 0.6 | |
| | | | |
| >50% >25% | 0 | 0.0 | |
| >25% ≤25% | 89 | 49.4 | |
| Not recorded | 89 | 49.4 | |
| Under supervision by relatives (sub | | | |
| >90% | _, . | | |
| >75% | 0 | 0.0 | |
| >50% | 1 1 | 0.6 | |
| >50% | 2 | 1.1 | |
| >25% ≤25% | 66 | 36.7 | |
| Not recorded | 110 | 61.1 | |
| Supplied for unsupervised treatmer | | | |
| <5% | 98 | 54.4 | |
| <10% | 8 | 4.4 | |
| <15% | 6 | 3.3 | |
| <25% | 2 | 1.1 | |
| <50% | 7 | 3.9 | |
| ≥50% | 4 | 2.2 | |
| Not recorded | 55 | 30.6 | |
| Supplied for unsupervised treatmer | | | |
| <5% | 63 | 35.0 | |
| <10% | 11 | 6.1 | |
| <15% | 1 | 0.6 | |
| <25% | 3 | 1.7 | |
| <50% | 8 | 4.4 | |
| ≥50% | 4 | 2.2 | |
| Not recorded | 90 | 50.0 | |
| Defaulted (initial 2 months) | - 00 | 00.0 | |
| <5% | 61 | 33.9 | |
| <10% | 8 | 4.4 | |
| <15% | 7 | 3.9 | |
| <25% | 12 | 6.7 | |
| <50% | 22 | 12.2 | |
| ≥50% | 23 | 12.8 | |
| Not recorded | 47 | 26.1 | |
| Defaulted (subsequent 4 months) | <u> </u> | | |
| <5% | 26 | 14.4 | |
| <10% | 6 | 3.3 | |
| <15% | 3 | 1.7 | |
| <25% | 8 | 4.4 | |
| <50% | 16 | 8.9 | |
| ≥50% | 32 | 17.8 | |
| Not recorded | 89 | 49.4 | |
| | | | |

Annex 1 (f) Sources completing Programme Forms

| Sources completing Programme Forms | PFA | PFB1 | PFB2 | PFC | PFD |
|--|------|------|------|------|------|
| | 1 | | | | |
| Chest Clinics | 3397 | 4960 | 4951 | 4966 | 4839 |
| Hospital Authority | 1660 | 55 | 39 | 25 | 18 |
| Private Practitioners/ Private Hospitals | 4 | 0 | 0 | 0 | 0 |
| Correctional Services and Others | 46 | 23 | 22 | 11 | 6 |
| Not Recorded | 1119 | 1188 | 1214 | 1224 | 1363 |
| Total | 6226 | 6226 | 6226 | 6226 | 6226 |
| Breakdown for Hospital Authority: | | | | | |
| Alice Ho Miu Ling Nethersole Hospital | 0 | 1 | 0 | 0 | 0 |
| Caritas Medical Centre | 1 | 0 | 0 | 0 | 0 |
| Castle Peak Hospital | 8 | 7 | 7 | 6 | 3 |
| Duchess of Kent Children Hospital | 0 | 0 | 0 | 0 | 0 |
| Fung Yiu King Hospital | 0 | 0 | 0 | 0 | 0 |
| Grantham Hospital | 248 | 1 | 0 | 0 | 0 |
| Haven of Hope Hospital | 118 | 3 | 3 | 2 | 2 |
| Kowloon Hospital | 161 | 0 | 0 | 0 | 0 |
| Kwong Wah Hospital | 76 | 0 | 0 | 1 | 0 |
| North District Hospital | 93 | 1 | 1 | 1 | 1 |
| Nam Long Hospital | 0 | 0 | 0 | 0 | 0 |
| Our Lady of Maryknoll Hospital | 9 | 0 | 0 | 0 | 0 |
| Pamela Youde Nethersole Eastern Hospital | 1 | 0 | 0 | 0 | 0 |
| Pok Oi Hospital | 5 | 0 | 0 | 0 | 0 |
| Prince of Wales Hospital | 78 | 0 | 0 | 0 | 0 |
| Princess Margaret Hospital | 123 | 0 | 0 | 0 | 0 |
| Queen Elizabeth Hospital | 155 | 22 | 9 | 5 | 5 |
| Queen Mary Hospital | 21 | 12 | 12 | 3 | 1 |
| Ruttonjee Hospital | 0 | 0 | 0 | 0 | 0 |
| Shatin Hospital | 0 | 0 | 0 | 0 | 0 |
| Tai Po Hospital | 13 | 1 | 1 | 1 | 1 |
| Tseung Kwan O Hosital | 56 | 0 | 0 | 0 | 0 |
| Tuen Mun Hospital | 200 | 3 | 3 | 3 | 3 |
| Tung Wah Eastern Hospital | 1 | 0 | 0 | 0 | 0 |
| Tung Wah Hospital | 2 | 0 | 0 | 0 | 0 |
| United Christian Hospital | 136 | 3 | 2 | 2 | 1 |
| Wong Tai Sin Hospital | 155 | 1 | 1 | 1 | 1 |
| Wong Chuk Hang Hospital | 0 | 0 | 0 | 0 | 0 |
| Yan Chai Hospital | 0 | 0 | 0 | 0 | 0 |
| Total | 1660 | 55 | | | |

| HKID/ Passport/ Birth certifica | te no.: | Clinic/ Hospital no.: |
|--|---|--|
| Name: | | DOS:// |
| PFA - To be completed at aroun Part (A) Basic information | d DOS (for TB patients) | TDOS = date of starting treatment (or, if patient defaulted>2 months before starting anti-TB treatment, put down the date of diagnosis)] |
| • • | (N/F | D |
| TB notified: N/Y: Date:/_ | | Age:years Date of birth :// |
| Marital status: 1.single/ 2.married/ 3.se | parated/ 4.divorce/ 5.widowed | Smoking status: 1.never/ 2.ex-smoker/ 3.current smokers |
| Institution-related: N / Y : 1.Client | / 2.Staff Type: 1.Old age | home/ 2.School/ 3. Hospital/ 4.Handicapped/ 5.Prison/ 6.Others |
| Name o | of institution: | |
| Living situation: 1 street-sleeper/2 cubic Resident status: 1 PermanentResident/6. Vietnamese/7. IllegalImmigrants | icle bed space/ 3.institution/ 4.work quarter 2.ChineseNewImmigrant(inHK<7yr)/ 3.In | / 5.alone (but not 1. to 4.)/ 6.with friends/ 7.with family mportedWorker/ 4.Tourist-2wayPermitChinese/ 5.OtherTourist/ |
| Place of birth: 1. Hong Kong / 2. Mainla | · | |
| Ethnicity: 1. Chinese/2. Other Asian/3 Previous BCG history: N/Y/Un | | |
| - | | 2 Part-time/ 3 Retired/ 4 Unemployed/ 5 Housewife/ 6 Student |
| 1 5 | 1 2 / | ng/ 5 Paramedical/ 6 Supporting health staff/ 7 Not applicable |
| Job title: | | |
| | | |
| Part (B) Information on this epi | | |
| First presentation to: 1. Private doctor 8. Mainland / 9 | | inic / 5.Other DH Clinic / 6 .HA Clinic / 7. HA Hospital / |
| Symptomatic on presentation: N / | Y: 1. Chest symptoms / 2. Systemic Symp | toms / 3. Other site-specific symptoms |
| Reason for presentation: 1. Sympton 6. Inciden | n / 2.Contact Screening / 3. Pre-employmental to other illness / 7. Others: | |
| Contact with TB patients: N/Y: | | |
| Previous chemoprophylaxis: N/Y | Y: reason: 1. Contact / 2. Silicosis / 3. HI | V / 4, Old scar on CXR / 5. Others |
| | Drug | s & duration: |
| Part (C) Case category (choose 1 is | tem only): | |
| 1. New case (<1m previous Rx) | 3. Treatment after default.4. Failure of previous treatment. | y):/ Duration of last treatment: _ months |
| 5. Others, specify: | | / |
| Part (D) Disease classification: | (please circle ≥1 item) | |
| Pulmonary tuberculosis Extent of disease: 1minimal (Extra-pulmonary tuberculosis: | total area< RUL)/ 2moderate (> R | UL)/ 3advanced (> 1 lung) Cavity: N / Y |
| 2. Pleura | 7. Bone and joint (other than spine | |
| 3. Lymph node4. Meninges | 8. Spine9. Genito-urinary tract | 13. Skin 14. Other site(1) specify |
| 5. Miliary | 10. Naso/oro-pharynx | 14. Other site(1), specify |
| 6. Abdomen | 11. Larynx | 16. Other site(3), specify |
| | | |
| Completed by: | (name) Te | : Fax: |
| Institution: 1. Chest Clinic/ 2. Chest Hosp | ital/ 3. General Hospital/ 4. Private Practice | ; Name (and ward) of institution: |

(After completion, this form should be sent to Consultant Chest Physician i/c, Wanchai Chest Clinic, 99 Kennedy Road, Hong Kong. Fax: (852) 28346627) (If patient is transferred, a copy of this completed form should also be sent to the new source of care for information.)

| Name: _ | | | | | | ital no.: S:// | |
|---|--|---|--|--|-----------------------|--|----------------------|
| PFB1 – Part (E) | To be completed Mode of TB di | l at 6 month fro agnosis: 1. Bacterio tion for MTB: 1 | m DOS (for TB | B patients) ral/3.Clinical-rac ative), U (not de | one), NTM (Non-tu | al only (choose 1 item, proberculous Mycobacteria) | |
| | | Sputum | | | _ | ric aspirate/ 2.pleural fluid fy: | = |
| | Pre-treatment | 2 months | 3 months | | treatment | 2 months | 3 months |
| Smear | P/N/U | P / N / U | P / N / U | P | / N / U | P/N/U | P/N/U |
| Culture | P/N/U/NTM | P/N/U/NTM | P/N/U/NTM | | / U / NTM | P/N/U/NTM | P/N/U/NTM |
| Hist | ological result fro | om (site) | T | vnical (with cas | seation) / - Granulo | omatous inflammation / 3,0 | ther |
| 11150 | orogical result in | 5111 (SICE) | | ehl-Neelzen stai | | matous inflammation / 3.0 | |
| If n | re treatment cul | tura is nasitiva | | | - | ve to HRES): N/Y/U(| (ST not done) |
| • | | - | ŕ | | , | • | ST not done) |
| II u | nfavourable ST, | - | | ` ' |) for all S1 do | | |
| | Isoniazid (H) | : S / R | • | S/R | | Cycloserine : S / I | |
| | Rifampicin (R) | : .S / R | | .S / R | Other (1) | :.S / I | |
| | Ethambutol (E) | : .S / R | | .S / R | Other (2) | : S / 1 | R |
| | Streptomycin (S) | : .S / R | Kanamycin : | .S / R | | | |
| 2. Lung 3. Other 4. On cy 5. On st | etes mellitus cancer r malignancies ytotoxic drugs deroid nic renal failure | | 13. Other(1) | user omy debilitation (e., specify specify specify | g., due to old age, i | mmobility, stroke, etc.) | |
| Part (G) | Factors affecti | ng treatment cl | noices: N/Y (If Y | , please circle v | whichever applicab | ole) | |
| Chronic Impaire Chronic Impaire Impaire | | e dialysis, etc.) | 9. Gout 10. Idiopath 11. Other(1) 12. Other(2) | , specify | penic purpura | | |
| | Č | oidities: N/Y· | 1 | 2. | | 3 | |
| | | | | | | 5 | |
| 6-month sh f neither o O D | | N / Y: 1. [2HRZE ns, please complete t as based on HRZES sed (for at least over | he following two qu (at least HRZ in initi 1 month): 1 Isoniaz | estions: al and HR in co zid (H) / 2 Rifam | picin (R) / 3 Etham | butol (E) / 4 Streptomycin | (S) / 5 Pyrazinamide |
| | Ofloxacin / 7 Levoflo Other(1) | | | | • | (3) | |
| .2 | . / | · | · / | | | | |
| | | | (|) T 1 | | Fax: | |

| Part (J) Treatment side effects: N/Y (If Y, please circle) 1.GI upset/ 2.skin rash/ 3.visual/ 4.transient rise of liver enzyme/ 5.hepatitis 11.leucopenia/ 12.flush face/ 13.other(1) / 14.oth Treatment temporarily withheld for side effects: N/Y Change in dosage or frequency required: N/Y Part (K) Treatment Supervision: Proportion of doses: | atients) by 6, vestibular/ 7, arthropathy/ 1, arthropathy/ 2, | drug trial required: N/Y equired: N/Y Subsequent 4 months (up to 6 month from DOS) |
|--|--|--|
| PFB2 – To be completed at 6 month from DOS (for TB p Part (J) Treatment side effects: N/Y (If Y, please circle) ¹GI upset/ ₂ skin rash/ ₃ visual/ ₄ transient rise of liver enzyme/ ₅ hepatitis ¹¹¹ leucopenia/ ¹² flush face/ ¹₃ other(1) / ¹₄ oth Treatment temporarily withheld for side effects: N/Y Change in dosage or frequency required: N/Y Part (K) Treatment Supervision: Proportion of doses: | atients) by 6, vestibular/ 7, arthropathy/ 1, arthropathy/ 2, | 8.fever-chill/ 9,dizziness/ 10,thrombocytopenia/15,other(3) drug trial required: N/Y equired: N/Y Subsequent 4 months (up to 6 month from DOS) |
| 1.GI upset/ 2.skin rash/ 3.visual/ 4.transient rise of liver enzyme/ 5. hepatitis 11.leucopenia/ 12.flush face/ 13.other(1) / 14.oth Treatment temporarily withheld for side effects: N/Y Change in dosage or frequency required: N/Y Part (K) Treatment Supervision: Proportion of doses: Init Under DOT at chest clinic, hospital, CNS or other >90% >759 health staff Under supervison by relatives >90% >759 Supplied for unsupervised treatment <5% <10% <10% <100 Part (L) Outcome at 6 months (please √, circle and/ or fill in the Status at completion: ■ Bacteriological conversion □ | Desensitisation or a Change of drugs residual 2 month | drug trial required: N/Y equired: N/Y Subsequent 4 months (up to 6 month from DOS) |
| PFB2 – To be completed at 6 month from DOS (for TB patients) Part (J) Treatment side effects: N/Y (1fY, please circle) 1.GI upset/ 2.skin rash/ 3.visual/ 4.transient rise of liver enzyme/ 5.hepatitis/ 6.vestibular/ 7.arthropathy/ 8.fever-chill/ 9.dizziness/ 10.thrombocytope 11.leucopenia/ 12.flush face/ 13.0ther(1) / 16.0ther(2) / 15.0ther(3) / 15.0ther(3) / 15.0ther(3) / 15.0ther(3) / 10.0ther(3) | | |
| Part (K) Treatment Supervision: Proportion of doses: Under DOT at chest clinic, hospital, CNS or other health staff Under supervison by relatives Supplied for unsupervised treatment Defaulted Part (L) Outcome at 6 months (please √, circle and/ or fill in the Status at completion: • Bacteriological conversion □ | ial 2 month % >50% >25% ≤25% | Subsequent 4 months (up to 6 month from DOS) |
| Proportion of doses: Under DOT at chest clinic, hospital, CNS or other health staff Under supervison by relatives Supplied for unsupervised treatment Defaulted Part (L) Outcome at 6 months (please √, circle and/ or fill in the Status at completion: Bacteriological conversion □ | % >50% >25% ≤25% | (up to 6 month from DOS) |
| Under DOT at chest clinic, hospital, CNS or other health staff Under supervison by relatives Supplied for unsupervised treatment Defaulted Part (L) Outcome at 6 months (please √, circle and/ or fill in the Status at completion: Bacteriological conversion □ | % >50% >25% ≤25% | (up to 6 month from DOS) |
| health staff Under supervison by relatives Supplied for unsupervised treatment Defaulted Part (L) Outcome at 6 months (please √, circle and/ or fill in the (1) Cured/ treatment completed □ Status at completion: ■ Bacteriological conversion □ | | \000/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| Supplied for unsupervised treatment Defaulted Status at completion: Bacteriological conversion □ | % >50% >25% ≤25% | <i>></i> 9 0% <i>></i> 75% <i>></i> 50% <i>></i> 25% ≤25% |
| Defaulted Some at 6 months (please √, circle and/or fill in the status at completion: Bacteriological conversion | 1 | >90% >75% >50% >25% ≤25% |
| Part (L) Outcome at 6 months (please √, circle and/ or fill in the (1) Cured/ treatment completed □ Status at completion: • Bacteriological conversion □ | 5% < 25% <50% ≥50% | <5% <10% <15% < 25% <50% ≥50% |
| (1) Cured/ treatment completed □ Status at completion: • Bacteriological conversion □ | 5% < 25% <50% ≥50% | <5% <10% <15% < 25% <50% ≥50% |
| Other clinical improvement □ | | |
| • Still on treatment, reason: 1.retreatment/2.extrapulm./3.ex | | |
| Died □ Cause: 1 TB-related/ 2 Not TB-related/ 3 Unknown | Date of deat | |
| (3) Transferred \Box to: ${}_{1.}$ GP/ ${}_{2.}$ Chest Clinic/ ${}_{3.}$ Hospital/ ${}_{4.}$ Outside HK | Details: Last treatme | nt date (mm/yyyy):/ |
| (4) Defaulted (defaulted treatment for a continuous period > 2m) □ Never found □ Retreated after default □ Treatment stopped by doctor □ | Date treatment re-star | yy):/ |
| (5) Failure (persistent positive bacteriology and treatment stopped) \Box | | |
| (6) Wrong/ revised diagnosis □ • New diagnosis: | | nm/yyyy):/ |
| (7) Others \Box , specify: | | |
| Completed by: (name | | Fax: |

(After completion, this form should be sent to Consultant Chest Physician i/c, Wanchai Chest Clinic, 99 Kennedy Road, Hong Kong. Fax: (852) 28346627) (If patient is transferred, a copy of this completed form should also be sent to the new source of care for information.)

| HKID/ Passport/ Birth certificate no.: | Clinic/ Hospital no.: |
|--|-----------------------|
| Name: | DOS:// |

PFC – To be completed at 12 month from DOS (for TB patients)

Part (M) Bacteriological examination for MTB: P (positive), N (negative), U (not done), NTM (Non-tuberculous Mycobacteria)

| | Sput | um | Other type of specimen: 1 gastric aspirate/ 2 pleur 4.urine/ 5.biopsy or others, specify: | ral fluid/ 3.bronchial washing/ | |
|---------|------------|-----------------------------|---|---------------------------------|--|
| | 5-6 months | 7-12 months | 5-6 months | 7-12 months | |
| Smear | P / N / U | P/N/U $P/N/U$ $P/N/U$ | | P / N / U | |
| Culture | P/N/U/NTM | I/U/NTM P/N/U/NTM P/N/U/NTM | | P/N/U/NTM | |

Part (N) Outcome at 12 months (please √, circle and/ or fill in the spaces provided as appropriate)

| (1) Cured/ treatment completed □ (a) Status at completion: • Bacteriological conversion □ • Radiological improvement □ • Other clinical improvement □ • No available evidence of response □ (b) After treatment completed: No relapse □ | Date treatment completed (mm/yyyy):/ |
|--|--|
| Loss to follow-up \Box | Last visit date (mm/yyyy):/ |
| Died ☐ Cause: 1.TB-related/ 2.Not TB-related/ 3.Unk | nown Date of death (mm/yyyy):/ |
| Relapse □ | Date relapse (mm/yyyy):/ |
| • 1.Bacteriological / 2.Histological / 3.Clinical-radiolo | |
| (2) Treatment incomplete (including death while on tr • Still on treatment, reason: 1.retreatment/2.extrapu 7.others, specify: • Died □ Cause: 1.TB-related/2.Not TB-related/3.Ur | lm./ 3.extensive/ 4 interrupted treatment/ 5.drug resistance/ 6.poor response/ |
| (3) Transferred \Box to: ${}_{1.}$ GP/ ${}_{2}$ Chest Clinic/ ${}_{3.}$ Hospital/ ${}_{4.}$ Outsi | de HK Details: |
| (4) Defaulted (defaulted treatment for a continuous period > 2m |) |
| Never found | |
| Retreated after default □ | Last visit date (mm/yyyy):/ Date treatment re-started (mm/yyyy):/ |
| Treatment stopped by doctor □ | Last treatment date (mm/yyyy):/ |
| Treatment stopped by doctor | Last treatment date (mm/yyyy). |
| (5) Failure (persistent positive bacteriology and treatment stopped) | ed) 🗆 |
| (6) Wrong/ revised diagnosis □ | Last treatment date (mm/yyyy):/ |
| New diagnosis: | |
| (7) Others \Box , specify: | |
| Completed by: | (name) Tel: Fax: |

Institution: 1 Chest Clinic/ 2 Chest Hospital/ 3 General Hospital/ 4 Private Practice; Name (and ward) of institution: (After completion, this form should be sent to Consultant Chest Physician i/c, Wanchai Chest Clinic, 99 Kennedy Road, Hong Kong. Fax: (852) 28346627) (If patient is transferred, a copy of this completed form should also be sent to the new source of care for information.)

| HKID/ Passport/ Birth certificate no.: | Clinic/ Hospital no.: |
|--|---|
| Name: | DOS:// |
| PFD – To be completed at 24 month from DOS (for TB p | |
| Part (O) Outcome at 24 months (please √, circle and/ or fill in | the spaces provided as appropriate) |
| (a) Status at completion: Bacteriological conversion □ Radiological improvement □ Other clinical improvement □ No available evidence of response □ (b) After treatment completed: No relapse □ Loss to follow-up □ Died □ Cause: 1.TB-related/ 2.Not TB-related/ 3.Unknown | Last visit date (mm/yyyy):/ Date of death (mm/yyyy):/ |
| Relapse • 1,Bacteriological / 2,Histological / 3,Clinical-radiological / 4 | Date relapse (mm/yyyy):/ |
| (2) Treatment incomplete (including death while on treatme | nt) tensive/4,interrupted treatment/5,drug resistance/6,poor response/ |
| (3) Transferred \Box to: ${}_{1}$ GP/ ${}_{2}$ Chest Clinic/ ${}_{3}$ Hospital/ ${}_{4}$ Outside HK | Details: |
| (4) Defaulted (defaulted treatment for a continuous period > 2m) □ Never found □ Retreated after default □ Treatment stopped by doctor □ (5) Failure (persistent positive bacteriology and treatment stopped) □ | Last visit date (mm/yyyy):/ Date treatment re-started (mm/yyyy):/ Last treatment date (mm/yyyy):/ |
| (6) Wrong/ revised diagnosis □ • New diagnosis: | Last treatment date (mm/yyyy):/ |
| (7) Others \Box , specify: | |
| Completed by:(name | |
| Institution: 1 Chest Clinic/2 Chest Hospital/3 General Hospital/4 Private (After completion, this form should be sent to Consultant Chest Physician i (If patient is transferred, a copy of this completed form should also be sent | c, Wanchai Chest Clinic, 99 Kennedy Road, Hong Kong. Fax: (852) 28346627) |

TB-PFD/1-2001

Annex 2 (a)

TB Among Chinese New Immigrants

Number of all notified TB cases and TB cases who are Chinese new immigrants (with years of arrival in Hong Kong)

| | Years of arrival | 2003 | 2004 | 2005 | 2006 | 2007 |
|---|------------------|------|------|------|------|------|
| | ≤1 year | 66 | 27 | 14 | 8 | 14 |
| Notified TD coops | ≤2 year | 15 | 19 | 11 | 4 | 12 |
| Notified TB cases who are Chinese | ≤3 year | 15 | 13 | 11 | 10 | 8 |
| New Immigrants (with years of arrival in Hong Kong) | ≤4 year | 16 | 11 | 7 | 8 | 9 |
| | ≤5 year | 24 | 9 | 9 | 10 | 7 |
| | ≤6 year | 22 | 11 | 13 | 7 | 3 |
| | ≤7 year | 19 | 20 | 12 | 11 | 3 |
| | Total | 177 | 110 | 77 | 58 | 56 |
| Overall notified | TB cases | 6024 | 6226 | 6160 | 5766 | 5463 |

The above table shows the number of all notified TB cases in Hong Kong from 2003 to 2007 and the number of TB cases among the Chinese new immigrants (staying in Hong Kong less than 7 years) according to the number of years they have arrived in Hong Kong. The numbers are in general higher in the first year of arrival. This phenomenon has also been observed in the immigrants of some other countries. The exact reason is unknown although some postulate that the stress experienced by the new immigrants upon arrival may be a factor.

In Annex 2 (b), the tables show the number of notified TB cases among the Chinese new immigrants by age and sex, and the estimated rates. In Annex 2 (c), the table shows the number of all notified TB cases in Hong Kong by age and sex, and the rates.

As shown from Annex 2 (c), the rates of TB among males are in general higher than that among females, and higher in the older age groups. The overall rates (per 100,000) from 2003 to 2007 are 89.5, 91.8, 90.4, 84.1 and 78.9 respectively.

From Annex 2 (b), the overall estimated rates (per 100,000) among the new immigrants from 2003 to 2007 are 47.7, 30.7, 21.5, 16.2 and 16.8 respectively. The rates are lower than those of the general Hong Kong population. Although Mainland China has been classified by the World Health Organization as among one of the high TB burden countries in the world, the new immigrants coming to Hong Kong are likely to be a "selected" group. Their demographics and health condition may be quite different from and not representative of the whole population in China. For example, they may be younger, more 'fit', or with better socioeconomic condition. Hence, the rate of TB among this group may be lower.

Annex 2 (b)

TB Notification and Estimated Rates Among Chinese New Immigrants By Age & Sex (2003-2007)

Notified TB cases who are Chinese new immigrants (coming to HK < 7 years), by age and sex

| | 2003 | 2003 | 2003 | 2004 | 2004 | 2004 | 2005 | 2005 | 2005 | 2006 | 2006 | 2006 | 2007 | 2007 | 2007 |
|-----------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|
| Age group | Male | Female | Total |
| 0-19 | 12 | 12 | 24 | 4 | 12 | 16 | 3 | 6 | 9 | 6 | 4 | 10 | 2 | 6 | 8 |
| 20-39 | 23 | 77 | 100 | 8 | 56 | 64 | 4 | 38 | 42 | 5 | 25 | 30 | 6 | 26 | 32 |
| 40-59 | 8 | 21 | 29 | 8 | 12 | 20 | 5 | 14 | 19 | 4 | 10 | 14 | 5 | 9 | 14 |
| 60+ | 12 | 12 | 24 | 5 | 5 | 10 | 3 | 4 | 7 | 2 | 2 | 4 | 0 | 2 | 2 |
| Total | 55 | 122 | 177 | 25 | 85 | 110 | 15 | 62 | 77 | 17 | 41 | 58 | 13 | 43 | 56 |

Estimated rate of TB (per 100,000) among Chinese new immigrants (coming to HK < 7 years)

| | 2003 | 2003 | 2003 | 2004 | 2004 | 2004 | 2005 | 2005 | 2005 | 2006 | 2006 | 2006 | 2007 | 2007 | 2007 |
|-----------|-------|--------|-------|-------|--------|-------|-------|--------|-------|------|--------|-------|------|--------|-------|
| Age group | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 0-19 | 15.4 | 15.8 | 15.6 | 5.3 | 16.3 | 10.8 | 4.4 | 9.0 | 6.7 | 9.0 | 6.2 | 7.6 | 3.2 | 10.1 | 6.6 |
| 20-39 | 96.8 | 59.5 | 65.3 | 34.9 | 42.5 | 41.4 | 16.0 | 26.0 | 24.5 | 19.0 | 17.1 | 17.4 | 24.3 | 18.7 | 19.6 |
| 40-59 | 96.3 | 51.7 | 59.3 | 94.2 | 36.8 | 48.7 | 50.4 | 47.6 | 48.3 | 31.5 | 34.4 | 33.5 | 37.4 | 33.9 | 35.1 |
| 60+ | 447.4 | 97.4 | 159.9 | 198.3 | 42.8 | 70.3 | 121.4 | 40.9 | 57.1 | 79.6 | 21.9 | 34.4 | 0.0 | 32.1 | 23.6 |
| Total | 48.8 | 47.2 | 47.7 | 22.9 | 34.1 | 30.7 | 14.2 | 24.6 | 21.5 | 15.7 | 16.5 | 16.2 | 12.7 | 18.6 | 16.8 |

Annex 2 (c)

TB Notification and Rates (All Cases) By Age & Sex (2003-2007)

All TB cases by age and sex

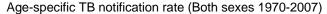
| | 2003 | 2003 | 2003 | 2004 | 2004 | 2004 | 2005 | 2005 | 2005 | 2006 | 2006 | 2006 | 2007 | 2007 | 2007 |
|-----------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|
| Age group | Male | Female | Total |
| 0-19 | 139 | 126 | 265 | 96 | 124 | 220 | 137 | 118 | 255 | 106 | 97 | 203 | 108 | 96 | 204 |
| 20-39 | 744 | 832 | 1576 | 696 | 823 | 1519 | 690 | 782 | 1472 | 616 | 728 | 1344 | 520 | 674 | 1194 |
| 40-59 | 1150 | 484 | 1634 | 1208 | 527 | 1735 | 1105 | 575 | 1680 | 1077 | 513 | 1590 | 1014 | 491 | 1505 |
| 60+ | 1895 | 654 | 2549 | 1988 | 764 | 2752 | 2041 | 712 | 2753 | 1960 | 669 | 2629 | 1853 | 707 | 2560 |
| Total | 3928 | 2096 | 6024 | 3988 | 2238 | 6226 | 3973 | 2187 | 6160 | 3759 | 2007 | 5766 | 3495 | 1968 | 5463 |

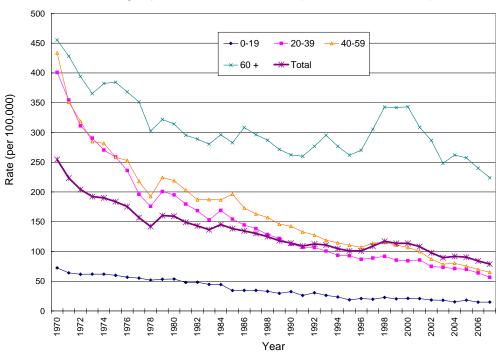
Rate of TB (all notified cases) (per 100,000)

| | 2003 | 2003 | 2003 | 2004 | 2004 | 2004 | 2005 | 2005 | 2005 | 2006 | 2006 | 2006 | 2007 | 2007 | 2007 |
|-----------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|
| Age group | Male | Female | Total |
| 0-19 | 18.4 | 17.6 | 18.0 | 13.0 | 17.7 | 15.3 | 19.1 | 17.2 | 18.2 | 15.0 | 14.5 | 14.8 | 15.4 | 14.5 | 15.0 |
| 20-39 | 75.9 | 70.9 | 73.2 | 72.2 | 70.6 | 71.3 | 73.0 | 67.4 | 69.9 | 65.8 | 62.4 | 63.9 | 56.0 | 57.1 | 56.6 |
| 40-59 | 111.4 | 46.2 | 78.6 | 113.7 | 47.9 | 80.2 | 101.4 | 50.2 | 75.2 | 97.3 | 43.6 | 69.6 | 91.1 | 41.0 | 65.1 |
| 60+ | 385.6 | 122.1 | 248.2 | 396.3 | 139.4 | 262.1 | 400.3 | 127.2 | 257.3 | 376.3 | 116.3 | 239.9 | 341.1 | 117.8 | 223.9 |
| Total | 120.5 | 60.4 | 89.5 | 122.1 | 63.6 | 91.8 | 121.7 | 61.6 | 90.4 | 115.0 | 56.0 | 84.1 | 106.3 | 54.1 | 78.9 |

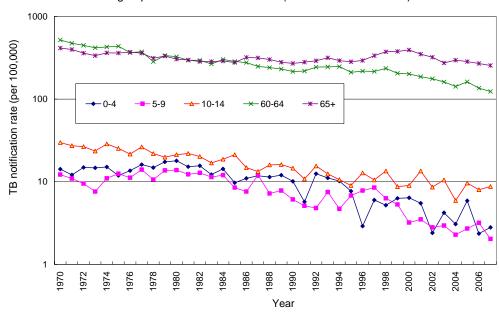
Annex 3

Trend of age-specific TB notification rates (1970-2007)





Age-specific TB notification rate (Both sexes 1970-2007)



- All the age-specific TB notification rates, particularly those of the younger age groups, show a generally declining trend.
- TB cases can develop from progressive primary infection, exogenous re-infection, or endogenous reactivation. The trend of progressive primary infection is best reflected by the trends of the younger age groups, in particular that of the 0-4 age group. On the other hand, endogenous reactivation is better reflected by the trends of the older age groups, which generally show slower rates of decline than those of the younger age groups.
- The transient increase in rates for the age group 60+ during the period 1997 to 2000 (top graph) is likely due to strengthened surveillance measures targeting at bacteriologically positive and death cases through laboratory data and data from death certificates.

Annex 4(a)

TB-HIV Registry

A total of 47 cases with TB-HIV co-infection were reported from various sources to the TB-HIV Registry in 2007. Thirty-seven (78.7%) were under the care of TB & Chest Service (TB&CS) and/or Special Preventive Programme (SPP), Public Health Services Branch, Department of Health (DH). Most of the remaining cases attended dual follow up at chest clinics and one of the hospitals under Hospital Authority (HA).

Table 1 shows the total number of TB-HIV cases reported to the TB-HIV Registry for the years 1996-2007.

Table 2 shows the data on TB as primary AIDS-defining illness in the Hong Kong HIV/AIDS reporting system for the years 1996-2007. Out of a total of 79 AIDS cases newly diagnosed in 2007, 32 (40.5%) had TB as a primary AIDS-defining illness, compared to 27 (37.0%) for *Pneumocystis jiroveci* pneumonia (previously named Pneumocystis carinii pneumonia). In other words, as in 2005, TB overtook *Pneumocystis jiroveci* pneumonia as the most common primary AIDS-defining illness in Hong Kong in 2007. The high burden of latent TB infection in Hong Kong, increased HIV test coverage and increased prophylaxis for *Pneumocystis jiroveci* pneumonia could have been contributory factors. DH will continue to monitor the trend and pattern of AIDS-defining illnesses in newly diagnosed AIDS patients locally.

Table 3 shows the distribution of ADI criteria among 228 cases reported from chest clinics and SPP for the years 1996-2007 with TB as the primary AIDS-defining illness. In Hong Kong, both pulmonary TB with a CD_4 count below $200/\mu I$ and extra-pulmonary TB are included in the AIDS case definition. The relative proportion of the two forms of TB as primary AIDS-defining illness has remained rather static in the past few years.

The pre-treatment drug sensitivity pattern among culture-positive (sputum or other specimens) TB-HIV cases for the years 1996-2007 is shown in Table 4. The rate of MDR-TB (4/250 or 1.6%) among the reported HIV cases was somewhat higher than that in the general population, but the absolute number of MDRTB associated with HIV infection was small. There is no XDR-TB cases detected among the reported TB-HIV cases. DH will continue to monitor prevalence of drug resistance in the context of HIV.

Table 5 shows the characteristics of 37 patients reported from chest clinics and SPP in 2007. The characteristics of these patients are similar to that of the 2006 cohort, namely, there are greater proportions of young males and non-Chinese Asians among TB-HIV co-infected patients as compared to non-HIV infected TB patients. CD₄ count was generally low at time of TB diagnosis. TB-HIV co-infected patients with pulmonary involvement tend to have more extensive disease and a positive bacteriology, and extra-pulmonary involvement is common.

Annex 4(b)

Table 1. Total number of TB-HIV cases reported to TB-HIV Registry (1996-2007)*

| Year | Number of TB-HIV cases** |
|-------|--------------------------|
| 1996 | 22 |
| 1997 | 19 |
| 1998 | 22 |
| 1999 | 25 |
| 2000 | 24 |
| 2001 | 34 |
| 2002 | 21 |
| 2003 | 26 |
| 2004 | 34 |
| 2005 | 42 |
| 2006 | 44 |
| 2007 | 47 |
| Total | 360 |

^{*} Including cases reported from chest clinics, SPP, HA hospitals and private centres.

Table 2. TB as AIDS-defining illness in Hong Kong HIV/AIDS reporting system (1996-2007)*

| Year | Number of cases with TB as primary AIDS- defining illness | Total number of reported AIDS cases | % of reported AIDS cases with TB as primary AIDS-defining illness |
|----------|---|-------------------------------------|---|
| Pre-1996 | 21 | 175 | 12.00% |
| 1996 | 21 | 70 | 30.00% |
| 1997 | 17 | 64 | 26.56% |
| 1998 | 18 | 63 | 28.57% |
| 1999 | 13 | 61 | 21.31% |
| 2000 | 19 | 67 | 28.36% |
| 2001 | 17 | 60 | 28.33% |
| 2002 | 9 | 53 | 16.98% |
| 2003 | 15 | 56 | 26.79% |
| 2004 | 13 | 49 | 26.53% |
| 2005 | 25 | 64 | 39.06%** |
| 2006 | 26 | 73 | 35.62% |
| 2007 | 32 | 79 | 40.51%** |
| Total | 246 | 934 | 26.34% |

^{*} An expanded case definition was adopted in 1995 to include pulmonary TB cases with a CD4 count less than 200/µl.

^{**} Some of the figures in the table for the previous years have been updated after taking out some mismatched cases and cases with a revised diagnosis.

^{**} TB overtook *Pneumocystis jiroveci* pneumonia as the most common AIDS-defining illness.

Annex 4(c)

Table 3. Criteria for TB as AIDS-defining illness among 228 cases reported from chest clinics and SPP (1996-2007)*

| Year | Т | B as AIDS-defining illness | | Total |
|-------|-----------------|----------------------------|----|-------|
| | | Yes | No | |
| | Extra-pulmonary | Pulmonary and TB | | |
| | | cervical lymph node | | |
| | | with CD4 < 200 μl | | |
| | | | | _ |
| 1996 | 1 | 7 | 1 | 9 |
| 1997 | 2 | 3 | 2 | 7 |
| 1998 | 6 | 3 | 3 | 1 |
| 1999 | 7 | 6 | 3 | 216 |
| 2000 | 3 | 4 | 5 | 12 |
| 2001 | 4 | 6 | 7 | 17 |
| 2002 | 4 | 9 | 2 | 15 |
| 2003 | 1 | 10 | 5 | 16 |
| 2004 | 5 | 7 | 11 | 23 |
| 2005 | 8 | 14 | 7 | 29 |
| 2006 | 9 | 19 | 7 | 35 |
| 2007 | 10 | 17 | 8 | 37** |
| Total | 60 | 105 | 61 | 228 |

^{*} Among 382 cases reported to the TB-HIV Registry from 1996 to 2007, 228 cases were seen at chest clinics and/or SPP. The table is compiled basing on data of these 228 cases.

Table 4. Pre-treatment drug sensitivity pattern among culture positive (sputum and/or other specimens) TB-HIV cases from TB-HIV Registry (1996-2007)*

| Year | Susceptible to | Any resistance** | MDR | XDR | Total number of |
|-------|----------------|---|-----------|-----|------------------------|
| | SHRE | (non-MDR/XDR) | | | culture positive cases |
| | | (************************************** | | | |
| 1996 | 7 | 1 | 0 | 0 | 8 |
| 1997 | 5 | 1 | 0 | 0 | 6 |
| 1998 | 13 | 1 | 0 | 0 | 14 |
| 1999 | 16 | 4 | 1 | 0 | 21 |
| 2000 | 13 | 2 | 0 | 0 | 15 |
| 2001 | 23 | 5 | 0 | 0 | 28 |
| 2002 | 11 | 3 | 1 | 0 | 15 |
| 2003 | 18 | 3*** | 0 (+1)*** | 0 | 21 |
| 2004 | 20 | 6 | O O | 0 | 26 |
| 2005 | 29 | 5 | 0 | 0 | 34 |
| 2006 | 32 | 3 | 0 | 0 | 35 |
| 2007 | 20 | 6 | 1 | 0 | 27 |
| Total | 207 | 40 | 3 (+1)*** | 0 | 250 |

^{*} Among 382 cases reported to the TB-HIV Registry from 1996 to 2007, 250 had a positive culture (sputum or other specimens). The table is compiled basing on data of these 250 cases.

^{**} Information on TB as AIDS-defining illness not available in two patients.

^{**} Any pattern of drug resistance except MDR (i.e. resistant to at least both H and R) and XDR (i.e resistance to any fluoroquinolones, and at least one of the injectable drugs, in addition to MDR).

^{***} One of these patients had extremely poor treatment adherence, developed acquired resistance during anti-TB treatment and became MDR-TB.

Annex 4(d)

Table 5: Chracteristics of 37 TB cases reported from chest clinics and SPP in 2007*

| Age distribution | Number | Proportion |
|--|--------------------------------|------------|
| 0 to 19 | 0 | 0.00% |
| 20 to 39 | 13 | 35.14% |
| 40 to 59 | 15 | 40.54% |
| 60+ | 9 | 24.30% |
| Sex distribution | | |
| Male | 32 | 86.49% |
| Female | 5 | 13.51% |
| Ethnicity | | |
| Chinese | 28 | 75.68% |
| Asians, non-Chinese | 8 | 21.62% |
| Caucasians | 0 | 0.00% |
| Others | 1 | 2.70% |
| Case category | | |
| New case | 35 | 94.59% |
| Relapse | 2 | 5.41% |
| Treatment after default | 0 | 0.00% |
| Failure of previous treatment | 0 | 0.00% |
| TB as primary AIDS defining illness | | |
| Yes | 27 | 72.97% |
| No | 8 | 21.62% |
| Missing | 2 | 5.41% |
| HIV stage | | |
| A1 | 0 | 0.00% |
| A2 | 3 | 8.11% |
| A3 | 1 | 2.70% |
| B1 | 0 | 0.00% |
| B2 | 2 | 5.41% |
| B3 | 1 | 2.70% |
| C1 | 0 | 0.00% |
| C2 | 2 | 5.41% |
| C3 | 22 | 59.46% |
| Unknown | 6 | 16.22% |
| CD4 count at time of co-infection (median, range) | 62 (3-362)/μl | |
| Viral load at time of co-infection (median, range) | 250000 (400-2300000) copies/ml | |
| Anti-retroviral therapy at time of co-infection | | 0.444 |
| Yes | 3 | 8.11% |
| No | 34 | 91.89% |
| Presence of extra-pulmonary TB | 22 | 60.160/ |
| Yes | 23 | 62.16% |
| No | 14 | 37.83% |
| Extent of Respiratory TB** | 1.4 | 40.200/ |
| Minimal | 14 | 48.28% |
| Moderate | 6 | 20.69% |
| Extensive | 9 | 31.03% |
| Bacteriological status (pre-treatment) | 10 | £1.250/ |
| Smear + culture + | 19 | 51.35% |
| Smear - culture + | 11 | 29.73% |
| Smear + culture - | 1 | 2.70% |
| Smear - culture - | 6 | 16.22% |
| Drug resistance pattern (pre-treatment)*** | 22 | 76 670 |
| Susceptible to SHRE | 23 | 76.67% |
| Resistant to at least any one drug of SHRE | 6 | 20.000/ |
| Any resistance (non-MDR) | 6 | 20.00% |
| MDR XDR | $\frac{1}{0}$ | 3.33% |
| ADK | U | 0% |

^{*} Among 47 cases reported to HIV Registry in 2007, 37 were managed at chest clinics and/or SPP. The table is compiled basing on data of these 37 cases.

** 29 out of the 37 cases had lung parenchymal lesion on CXR.

*** 30 out of the 37 cases had a positive sputum or other specimen culture.

Annex 5

HBsAq Seroprevalence Survey Among TB Patients Seen at Chest Clinics (2007)

In a sample survey conducted by the TB & Chest Service of the Department of Health in 2007 (2-month period from 1.3.2007 to 31.5.2007), the overall HBsAg seropositive rate among TB patients seen at chest clinics was 10.52%.

| Sex/Age | | HBsAg status | | HBsAg | Total | |
|---------|----------|--------------|---------|---------------------------|-------|--|
| group | Positive | Negative | Unknown | seropositive rate (%)* | | |
| Male | | | | | | |
| 0-19 | 0 | 27 | 2 | 0.00 | 29 | |
| 20-39 | 12 | 127 | 7 | 8.63 | 146 | |
| 40-59 | 46 | 213 | 5 | 17.76 | 264 | |
| ≥60 | 38 | 305 | 9 | 11.08 | 352 | |
| Female | | | | | | |
| 0-19 | 1 | 29 | 0 | 3.33 | 30 | |
| 20-39 | 8 | 140 | 5 | 5.41 | 153 | |
| 40-59 | 14 | 101 | 3 | 12.17 | 118 | |
| ≥60 | 6 | 121 | 4 | 4.72 | 131 | |
| Total | 125 | 1063 | 35 | 10.52 | 1223 | |

^{*} HBsAg seropositivity rate = number of HBsAg positive patients/ (number of HBsAg positive patients + number of HBsAg negative patients)

HBsAg Seroprevalence Survey 2006-2007

| 0 4 | HBsAg seropositive rate (%) | | | | | |
|---------------|-----------------------------|-------|--|--|--|--|
| Sex/Age group | 2006 | 2007 | | | | |
| Male | | | | | | |
| 0-19 | 9.09 | 0.00 | | | | |
| 20-39 | 8.78 | 8.63 | | | | |
| 40-59 | 17.95 | 17.76 | | | | |
| ≥60 | 8.73 | 11.08 | | | | |
| Female | | | | | | |
| 0-19 | 0.00 | 3.33 | | | | |
| 20-39 | 4.82 | 5.41 | | | | |
| 40-59 | 6.20 | 12.17 | | | | |
| ≥60 | 8.73 | 4.72 | | | | |
| Total | 9.79 | 10.52 | | | | |

Annex 6

Crude and Standardised Death Rate and Notification Rate 1981 - 2007
(per 100,000 population)

| | Crude | Standardised | Crude | Standardised |
|------|------------|--------------|-------------------|---------------------|
| Year | Death Rate | Death Rate * | Notification Rate | Notification Rate * |
| 1981 | 9.4 | 9.4 | 149.1 | 149.1 |
| 1982 | 8.6 | 8.4 | 140.3 | 142.1 |
| 1983 | 8.3 | 7.2 | 136.6 | 135.2 |
| 1984 | 7.8 | 7.9 | 145.3 | 142.7 |
| 1985 | 7.5 | 6.9 | 138.3 | 134.6 |
| 1986 | 7.4 | 6.6 | 134.5 | 134.6 |
| 1987 | 7.3 | 6.3 | 130.3 | 124.2 |
| 1988 | 6.9 | 5.8 | 124.8 | 122.1 |
| 1989 | 7.1 | 5.9 | 117.9 | 111.4 |
| 1990 | 6.7 | 5.7 | 114.1 | 107.7 |
| 1991 | 7.1 | 5.6 | 109.2 | 100.5 |
| 1992 | 7.1 | 5.5 | 112.6 | 107.9 |
| 1993 | 6.7 | 5.1 | 110.8 | 100.2 |
| 1994 | 6.8 | 5.0 | 104.7 | 88.9 |
| 1995 | 6.8 | 4.8 | 100.9 | 88.9 |
| 1996 | 4.5 | 3.1 | 101.0 | 88.7 |
| 1997 | 3.9 | 2.6 | 109.0 | 93.1 |
| 1998 | 4.1 | 2.8 | 117.3 | 98.6 |
| 1999 | 4.7 | 3.1 | 113.7 | 93.9 |
| 2000 | 4.5 ` | 2.8 | 113.7 | 93.4 |
| 2001 | 4.6 | 2.8 | 108.2 | 88.6 |
| 2002 | 4.0 | 2.4 | 97.9 | 78.9 |
| 2003 | 4.1 | 2.5 | 89.5 | 72.3 |
| 2004 | 4.2 | 2.4 | 91.8 | 71.1 |
| 2005 | 4.0 | 2.2 | 90.4 | 70.5 |
| 2006 | 4.3 | 2.4 | 84.1 | 63.3 |
| 2007 | 3.3 | 1.8 | 78.9 | 58.4 |

^{*} Age and sex-standardisation, using the mid-1981 population as the standard population.

NB: The rates from the year 2001 onwards have been updated based on the updated population figure from the 2006 by-census.

Part 4 SUPPLEMENT

Part 4 – Supplement: Contents

Supplement

- 1 Notification forms

 - (a) DH1A(s)(Rev.99) (for notification of TB to Department of Health)(b) LD483(Rev.11.6.1999) (for notification of occupational TB and other notifiable occupational diseases to Labour Department)

FORM 1

QUARANTINE AND PREVENTION OF DISEASE ORDINANCE

(Cap. 141)

TUBERCULOSIS NOTIFICATION

Particulars of Infected Person

| Name in English | | Name i | in Chinese | | Age/Sex: | | I.D. Card/Passport No. | | |
|--|-------------------------|--------------|---------------|---------|-------------|------------|-----------------------------------|--|--|
| Address: | Address: | | | | | | | | |
| Place of Work/ School Attended: | Telephone Number: | | | | | | | | |
| Site of TB | Sputum | | | Dis | sposal | | Hospital/Clinic sent to (if any): | | |
| Resp. System | | Smear | Culture | On ' | Treatment | | 1 | | |
| Meninges | Positive | | <u> </u> | On | Observation | | 1 | | |
| Bone & Joint | Negative | | | Refe | erred | | Hospital No.: | | |
| Other(s) | Unknown | | | Died | d | | 1 | | |
| Duration of stay in Hong Ko | ong:Yea | ırs | | | | <u>. I</u> | | | |
| Does patient have a history of | of past treatment for t | uberculosis | s?YesN | 10 | | | | | |
| If yes, please state the YEAF | R in which he first rec | eived treatr | nent: | | | | | | |
| Notified under the Prevention | ı of the Spread of Infe | ectious Dise | eases Regulat | ions by | 7 | | | | |
| Dr | on | | | | / | / | | | |
| (Full Name in BLOCK L | | | - | | (Date) | ′) | | | |
| ` | , | | | | | | | | |
| Telephone Number: | | | | | | | | | |
| г | | | | | (Signatur | e) | | | |
| (Please DELETE whichever | | | | | | | | | |
| "I will arrange for examination of contacts myself." | | | | | | | | | |
| "Please arrange for examina | ation of contacts to be | done by the | e Governmen | t Chest | Service." | | | | |
| Further Remarks: | | | | | | | | | |
| | | | | | | | | | |

DH 1A(s)(Rev.99)

OCCUPATIONAL SAFETY AND HEALTH ORDINANCE NOTIFICATION OF OCCUPATIONAL DISEASES

To: Commissioner for Labour PARTICULARS OF PATIENT HKID/Passport no.: Name: Male/Female* Date of birth: ____/___ Occupation: _____ Home address: _____ Telephone no. (Home) _____ (Office) _____ (Pager/Mobile) ____ Name and address of employer: Telephone no. of employer: NOTIFIABLE OCCUPATIONAL DISEASES (*Please put a tick in*) Chrome Ulceration Radiation Illness 18 Lead Poisoning Heat Cataract 19 Manganese Poisoning 36 Urinary Tract Cancer Compressed Air Illness **Phosphorus Poisoning** Peripheral Polyneuropathy 3 20 37 Cramp of Hand or Forearm Arsenic Poisoning Localised Papillomatous or Keratotic New Skin Growth Beat Hand 22. 39 Mercury Poisoning Occupational Vitiligo Beat Knee Carbon Bisulphide Poisoning Occupational Dermatitis 6 Beat Elbow Benzene Poisoning 41 Chemical Induced Upper 7 24 Respiratory Tract Inflammation Poisoning by Nitro-, Amino-, or 42 Nasal or Paranasal Sinus Cancer Tenosynovitis of Hand or Forearm Chloro- Derivatives of Benzene 9 Anthrax 26 Dinitrophenol Poisoning 43 Byssinosis Glanders Poisoning by Halogen Occupational Asthma Derivatives of Hydrocarbons 28 Diethylene Dioxide Poisoning 45 Silicosis 11 Leptospirosis 12 Extrinsic Allergic Alveolitis Chlorinated Naphthalene Asbestos-Related Diseases 46 Poisoning Brucellosis 30 Poisoning by Oxides of Nitrogen Occupational Deafness 13 14 Tuberculosis in health care 31 Beryllium Poisoning Carpal Tunnel Syndrome workers Parenterally Contracted Viral 32 15 **Cadmium Poisoning** Legionnaires' Disease Hepatitis in health care workers 16 Streptococcus suis Infection 33 Dystrophy of the Cornea Avian Chlamydiosis 34 Skin Cancer Date of onset of illness: ___ / _____ / ____ Diagnosis: Confirm/Suspect* Follow-up of patient: Treated/Referred to hospital/Others(specify)*: Other relevant information: ____ Name of notifying medical practitioner: Address of notifying medical practitioner: Telephone no. of notifying medical practitioner: Signature: Date: _____

Please return this form by fax (no. 25812049) or by mail to Occupational Health Service, Labour Department, 15/F Harbour Building, 38 Pier Road, Central, Hong Kong.

For details of Notifiable Occupational Diseases and their related occupations, please refer to Schedule 2 of the Occupational Safety & Health Ordinance and to the Labour Department publication "Guidance Notes on the Diagnosis of Notifiable Occupational Diseases". Enquiry telephone no.: 2852 4041.

^{*}Delete whichever is inapplicable

Please affix stamp

Occupational Health Service

Labour Department 15/F, Habour Building 38, Pier Road Central Hong Kong