

## TABLE OF CONTENTS

	Page
Foreword . . . . .	iii
Preface . . . . .	v
Acknowledgments . . . . .	vii
Table of Contents . . . . .	ix
List of Tables . . . . .	xiii
List of Charts . . . . .	xix
List of Maps . . . . .	xxi
I. SUMMARY	
Highlights . . . . .	1
Tuberculosis in 1962 - The Reversal of a Decreasing Trend in Newly Reported Cases . . . . .	2
Tuberculosis Morbidity and Mortality, New York City . . . . .	4
Tuberculosis Morbidity and Mortality, Tri-State New York Metropolitan Region . . . . .	7
II. MORBIDITY DUE TO TUBERCULOSIS	
New Cases Reported During the Year . . . . .	9
Boroughs . . . . .	9
Health Districts . . . . .	10
Source of Report . . . . .	13
Stage of Pulmonary Disease . . . . .	14
Form . . . . .	19
First Reported at Time of Death . . . . .	20
New Case Rate by Ethnic Group . . . . .	22
Males by Age and Health Center District . . . . .	24
Females by Age and Health Center District . . . . .	25
New Cases by Ethnic Group and Health Center District . . . . .	27
New Cases by Sex, Age and Ethnic Group . . . . .	31
III. TUBERCULOSIS REGISTER	
Total in Register . . . . .	38
Reactivated Cases . . . . .	41
IV. PREVALENCE	
Prevalence by Health Center District . . . . .	42
Health Areas by Boroughs	
Manhattan . . . . .	45
Bronx . . . . .	56
Brooklyn . . . . .	65
Queens . . . . .	81
Richmond . . . . .	90
Housing Projects to Which Special Health Area Numbers Are Assigned . . . . .	92
Community Case Fatality Rates . . . . .	96
V. TYPE OF CARE	
Care of the Tuberculous . . . . .	97
Type of Care by Health Center District . . . . .	98
Type of Care by Ethnic Group . . . . .	100
Clinic Care . . . . .	101
Private Physicians . . . . .	106
Antibacterial Drug Treatment . . . . .	107

	Page
BCG Vaccinations . . . . .	108
Hospitals	
Hospitalization for Tuberculosis . . . . .	109
Hospitalized Patients by Borough of Residence . . . . .	111
Tuberculosis Hospital Facilities . . . . .	112
Department of Hospitals . . . . .	117
New York City Charge Patients in Upstate New York . . . . .	120
Distribution of Anti-tuberculosis Drugs in Voluntary Hospital Clinics . . . . .	120
<b>VI. CASE DETECTION</b>	
Case Detection . . . . .	121
Tuberculin Testing in Secondary Schools . . . . .	121
Tuberculosis Infection Rates . . . . .	125
Chest X-ray Examinations . . . . .	126
Department of Health . . . . .	126
Tuberculosis Associations . . . . .	126
Mass X-ray Surveys . . . . .	128
Manhattan Neighborhoods Survey . . . . .	128
Bronx Neighborhoods Survey . . . . .	129
General Hospitals . . . . .	130
Harlem Area Tuberculosis Casefinding . . . . .	135
<b>VII. MORTALITY</b>	
Tuberculosis Mortality . . . . .	137
Tuberculosis Mortality by Sex and Form . . . . .	137
Tuberculosis Mortality by District of Residence . . . . .	138
Tuberculosis Deaths by Sex and Ethnic Group . . . . .	141
Tuberculosis Deaths by Age and Sex . . . . .	143
Leading Causes of Death . . . . .	146
Infectious and Parasitic Diseases . . . . .	147
Selected Vital Statistics . . . . .	148
United States - Tuberculosis Mortality . . . . .	150
<b>VIII. COST OF TUBERCULOSIS</b>	
Department of Health . . . . .	152
Department of Hospitals . . . . .	152
Charitable Institutions . . . . .	152
Department of Welfare . . . . .	154
Division of Vocational Rehabilitation, New York State . . . . .	154
Selective Placement Division, New York State . . . . .	155
United States . . . . .	156
<b>IX. ADDENDUM</b>	
Population, New York City . . . . .	157
Children Attending New York City Schools . . . . .	160
Tuberculosis in the United States	
New Cases and Deaths . . . . .	161
Prevalence . . . . .	162
Tuberculosis in Large American Cities	
New Cases . . . . .	164
Deaths . . . . .	166
Cases in Register . . . . .	168
New York State, Counties, Cities-New Cases and Deaths . . . . .	170
Foreign Countries - New Cases and Deaths from Tuberculosis . . . . .	173
<b>REFERENCES . . . . .</b>	<b>176</b>

## LIST OF TABLES

Tables	Page
1A. New cases of tuberculosis in each borough . . . . .	4
1B. Mortality from all forms of tuberculosis by borough . . . . .	4
1C. Cases of active tuberculosis on health district rosters by type of care . . .	4
2. Tuberculosis morbidity and mortality, Tri-state New York Metropolitan Region . . . . .	7
3. New active tuberculosis cases and rates by borough . . . . .	9
4. New cases of active tuberculosis by health center district, 1952-1962 . . . .	10
5. New case rate, new cases of active tuberculosis by health center districts, 1952-1962 . . . . .	11
6. Source of report, new cases of active tuberculosis, all forms . . . . .	13
7. Sources of report, new cases of active tuberculosis by ethnic group and sex	13
8. Newly reported cases of active pulmonary tuberculosis in persons 10 years of age and over, by stage at time of report, 1952-1962 . . . .	14
9. Newly reported cases of active pulmonary tuberculosis in persons 10 years of age and over by age, sex and ethnic group by stage at time of first report . . . . .	15
10. Newly reported active tuberculosis cases by age, sex and diagnosis- all ethnic groups . . . . .	17
11. Newly reported active tuberculosis cases by age, sex and diagnosis- non-white . . . . .	18
12. Newly reported cases of active tuberculosis by form, 1952-1962 . . . . .	19
13. New cases of pulmonary tuberculosis first reported at time of death . . . .	21
14. Tuberculosis new case rates by ethnic group . . . . .	22
15. Newly reported cases of tuberculosis by ethnic group . . . . .	22
16. Males: Newly reported active tuberculosis cases by age . . . . .	24
17. Females: Newly reported active tuberculosis cases by age . . . . .	25
18. Newly reported active tuberculosis cases by ethnic group and health center district . . . . .	27
19. Newly reported active tuberculosis cases by ethnic group, sex and health center district . . . . .	28
20. Percentage distribution of new cases of active tuberculosis by sex and ethnic group . . . . .	28
21. Newly reported active tuberculosis cases by ethnic group and health center district, 1957-1962 . . . . .	29
22. Newly reported active tuberculosis cases by ethnic group and sex, 1944-1962 . . . . .	30
23. Newly reported active tuberculosis cases by ethnic group, age and sex, 1950-1962 . . . . .	31-35
24. Newly reported active tuberculosis cases by age and sex, quinquennial periods, 1951-55, 1956-60 . . . . .	36
25. Tuberculosis register, active cases, 1946-1962 . . . . .	39
26. Reactivated cases of tuberculosis by borough, 1950-1960 . . . . .	41
27. Prevalence of tuberculosis in New York City by health district . . . . .	43
28. Tuberculosis by health center districts and health areas - Manhattan . . . .	45-55
29. Tuberculosis by health center districts and health areas - Bronx . . . . .	56-64
30. Tuberculosis by health center districts and health areas - Brooklyn . . . .	65-80
31. Tuberculosis by health center districts and health areas - Queens . . . . .	81-89
32. Tuberculosis by health center districts and health areas - Richmond . . . .	90-91
33. Housing project in New York City by borough and health area . . . . .	92-95
34. Community case fatality ratios, pulmonary tuberculosis, 1900-1962 . . . . .	96

Tables	Page
35. Tuberculosis by type of care . . . . .	98
36. Tuberculosis register - type of care by ethnic group . . . . .	100
37. Patients with active tuberculosis under clinic care by borough, 1961-1962 . . . . .	101
38. Tuberculosis cases under clinic supervision, 1956-1962 . . . . .	102
39. Type of cases under clinic supervision by ethnic group . . . . .	102
40. Visits to chest clinics, tuberculosis cases, 1956-1962 . . . . .	103
41. Attendance at health department tuberculosis services by borough, 1950-1962 . . . . .	103
42. Number of nurses' field visits to tuberculosis patients by health district, 1952-1962 . . . . .	104
43. Percent field visits to tuberculous patients of total service visits by health district . . . . .	105
44. Tuberculous patients under care of private physicians by borough. . . . .	106
45. Specific antibacterial drug treatment cases, chest clinic, Department of Health, 1953-1962 . . . . .	107
46. BCG Vaccinations . . . . .	108
47. Tuberculosis cases hospitalized, 1940, 1945 and 1950-1962 . . . . .	109
48. New York City residents hospitalized for active tuberculosis, 1950-1962 . .	110
49. Hospitalized active tuberculosis patients by borough of residence, 1950-1962 . . . . .	111
50. Tuberculosis hospital facilities, New York City, 1959-1962 . . . . .	112
51. Private tuberculosis hospitals in city and other institutions out of town: admissions, discharges and patient days care . . . . .	113
52. Tuberculosis hospital facilities, New York City suburban area, 1959-1962 . . . . .	114
53. Bed complement, tuberculosis hospitals and sanatoria . . . . .	115
54. Patient census, tuberculosis hospitals and sanatoria, 1953-1962 . . . . .	116
55. Bed complement, Department of Hospitals, 1952-1962 . . . . .	117
56. Applications processed in tuberculosis hospital facilities section, Department of Hospitals, 1961-1962 . . . . .	119
57. New York City charge patients in upstate New York tuberculosis institutions, 1953-1961 . . . . .	120
58. Tuberculin testing in secondary schools, 1955-1962 . . . . .	122
59. Tuberculin testing in secondary schools by type of school, 1958-1962 . . . .	123
60. Tuberculin testing in secondary schools by borough, 1958-1962 . . . . .	124
61. X-ray follow-up of positive reactors, tuberculin testing in secondary schools, 1958-1962 . . . . .	124
62. X-ray examinations for tuberculosis by health agencies, 1950-1962 . . . . .	126
63. X-ray examinations, Bureau of Tuberculosis, Department of Health, 1956-1962 . . . . .	127
64. Mass X-ray surveys, Department of Health, 1955-1962 . . . . .	127
65. Hospital admission chest X-ray examinations, and active pulmonary TB rate, 1955-1962 . . . . .	131
66. Number and active pulmonary tuberculosis rate for hospital admission chest X-ray survey of in-patients, out-patients, and employees, by municipal and voluntary hospitals . . . . .	132
67. Hospital admission chest X-ray survey, persons examined by age and sex .	133
68. Hospital admission chest X-ray survey, diagnosis according to sex . . . . .	133
69. Hospital admission chest X-ray survey, newly reported active pulmonary tuberculosis, numbers and rates by hospital, 1960-1962 . . . . .	134

Tables	Page
70. Tuberculosis mortality, 1900-1962 . . . . .	137
71. Tuberculosis mortality by district of residence, 1961-1962 . . . . .	138
72. Tuberculosis deaths by race, age and district of residence . . . . .	139
73. Tuberculosis by sex, 1900, 1950, 1955, 1960 . . . . .	140
74. Tuberculosis mortality by sex and ethnic group, 1952-1962 . . . . .	141
75. Tuberculosis deaths and death rates by ethnic group, 1952-1962 . . . . .	141
76. Tuberculosis deaths, residents and non-residents by borough, 1957-1962 .	142
77. Tuberculosis deaths by age and sex, 1950-1962 . . . . .	143
78. Tuberculosis mortality by age group . . . . .	144
79. Tuberculosis mortality by sex and race . . . . .	144
80. Tuberculosis deaths and death rates by sex and ethnic group . . . . .	144
81. Leading causes of death by race (number and rate), New York City . . . . .	146
82. Estimated death rates for 10 leading causes of death, United States . . . . .	146
83. Deaths and death rates from leading infectious and parasitic diseases, pneumonia and influenza . . . . .	147
84. Selected vital statistics: Live births, infant deaths, and leading causes of death (number and rate) by health center district . . . . .	148-149
85. Tuberculosis deaths and death rates by age, United States, 1961 . . . . .	150
86. Tuberculosis deaths and death rates by color and sex, United States, 1961 . . . . .	150
87. Summary, appropriations of tax funds and voluntary funds for tuberculosis care and control . . . . .	152-153
88. Division of Vocational Rehabilitation, New York State: Type and cost of services provided to 385 tuberculosis rehabilitants . . . . .	155
89. Division of Vocational Rehabilitation, New York State: Jobs in which 385 tuberculosis rehabilitants were rehabilitated . . . . .	155
90. Federal appropriations to the United States Public Health Service for the tuberculosis program . . . . .	156
91. Population: by age, ethnic group and borough, 1960 . . . . .	157-159
92. Children attending New York City schools by borough, type of school and ethnic group . . . . .	160
93. Newly reported tuberculosis cases and deaths, United States, 1947-1962 . . . . .	161
94. Estimate of tuberculosis prevalence in the United States, 1952 and 1956 . .	162
95. Cases on current tuberculosis registers, United States, 1960 . . . . .	163
96. Tuberculosis mortality by race and sex, United States, 1962 . . . . .	163
97. Tuberculosis in large American cities . . . . .	164-169
98. Newly reported tuberculosis cases, deaths and rates, by counties, Upstate New York . . . . .	170
99. Newly reported tuberculosis cases, deaths and rates for 26 cities in Upstate New York . . . . .	171
100. Tuberculosis in selected countries, 1960-1962 . . . . .	173-175

## LIST OF CHARTS

Chart	Page
1. Tuberculosis, New Cases and Deaths. . . . .	5
2. Tuberculosis, New Case Rate and Death Rate . . . . .	5
3. Death and Case Rates From Tuberculosis: New York City, New York State, New York State (Exclusive of New York City), and United States. . . . .	6
4. Tuberculosis New Case Rates, Tri-State New York Metropolitan Region . . . . .	8
5. Tuberculosis Case and Death Rates by Health District . . .	12
6. Newly Reported Active Tuberculosis Cases by Stage of Disease . . . . .	16
7. Newly Reported Active Tuberculosis Cases and Rates by Ethnic Group . . . . .	23
8. Newly Reported Active Tuberculosis Cases by Age and Sex . . . . .	26
9. Newly Reported Active Tuberculosis Cases and Rates by Age Group . . . . .	37
10. Total Cases of Tuberculosis Registered in Each Health Center District . . . . .	40
11. Tuberculosis Cases by Type of Care . . . . .	99
12. Tuberculosis Death Rates, Male and Female . . . . .	145

## LIST OF MAPS

	Page
Health Center Districts . . . . .	44
Health Areas by Borough and District	
Manhattan . . . . .	48
Central Harlem . . . . .	49
East Harlem . . . . .	50
Kips Bay-Yorkville . . . . .	51
Lower East Side . . . . .	52
Lower West Side . . . . .	53
Riverside . . . . .	54
Washington Heights . . . . .	55
Bronx. . . . .	58
Fordham-Riverdale . . . . .	59
Morrisania . . . . .	60
Mott Haven . . . . .	61
Pelham Bay. . . . .	62
Tremont. . . . .	63
Westchester . . . . .	64
Brooklyn. . . . .	70
Bay Ridge . . . . .	71
Bedford . . . . .	72
Brownsville . . . . .	73
Bushwick . . . . .	74
Flatbush. . . . .	75
Fort Greene . . . . .	76
Gravesend . . . . .	77
Red Hook-Gowanus . . . . .	78
Sunset Park. . . . .	79
Williamsburg-Greenpoint. . . . .	80
Queens . . . . .	83
Astoria-Long Island City . . . . .	84
Corona . . . . .	85
Flushing . . . . .	86
Jamaica East . . . . .	87
Jamaica West . . . . .	88
Maspeth-Forest Hills . . . . .	89
Richmond . . . . .	91
New York State . . . . .	172