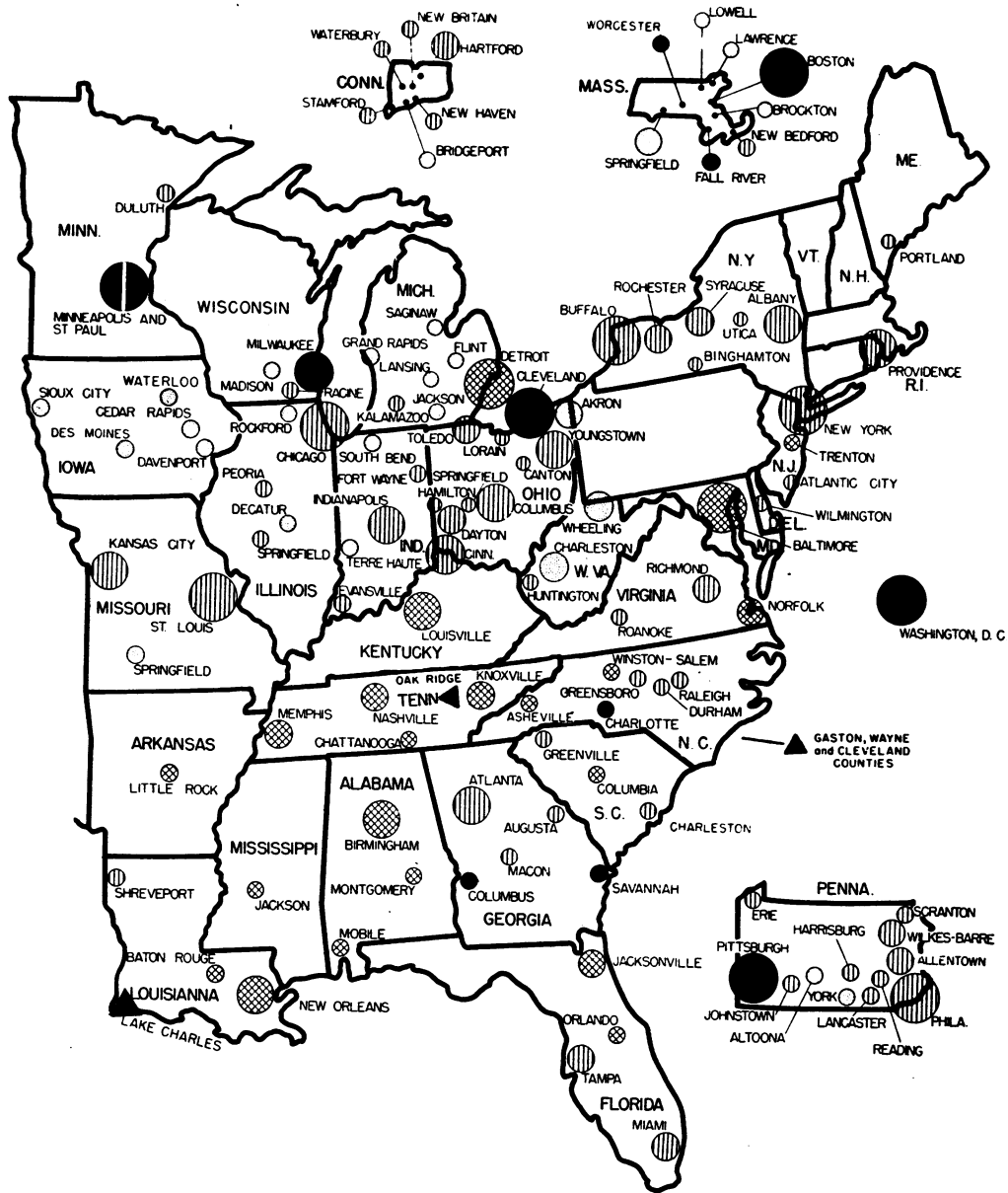


## Community-wide X-ray Surveys, 1945-1953,

Large cities in the United States have the highest tuberculosis death rates, but because of their very size they present unusual difficulties to health department case-finding activities. To help metropolitan areas carry out chest X-ray surveys quickly and effectively, the Pub-

lic Health Service, on request, provides X-ray machines and technicians. Public Health Service physicians read the films, and consultation is given by Service physicians, nurses, medical social workers, health educators, and records specialists.



## conducted with Public Health Service Assistance

Since October 1945, the health officers of 31 areas have requested and received this service. These areas, 24 defined by the Bureau of the Census as "metropolitan" (over 100,000 population) and 7 other densely populated places, are indicated on the accompanying map by solid

symbols. Also shown on the map are the size and the proportionate tuberculosis mortality of the other metropolitan areas over 100,000 population. The table on the following page summarizes key findings.

**Thirty-one community-wide X-ray surveys, 1945-53**

Location of survey	Total screening films taken by team	Index of coverage <sup>1</sup>	Screening film readings				
			Total satisfactory films	Suspected abnormal findings			
				Total	Tuberculosis	Other chest disease	Cardiovascular disease
Savannah, Ga.....	74,311	65.5	67,961	1,220	755	465	( <sup>2</sup> )
Columbus, Ga.....	53,144	74.6	52,093	2,618	1,422	1,196	( <sup>2</sup> )
Gaston, Wayne and Cleveland Counties, N. C.....	113,422	83.1	110,236	1,980	1,222	758	( <sup>2</sup> )
Milwaukee, Wis.....	181,263	38.2	176,469	4,333	2,805	971	577
Minneapolis, Minn.....	306,020	75.2	301,513	10,238	5,977	3,403	858
Oak Ridge, Tenn.....	13,537	38.4	13,421	992	536	456	( <sup>2</sup> )
St. Paul, Minn.....	129,401	55.4	125,853	4,417	2,197	1,161	1,059
Washington, D. C.....	454,130	64.2	439,927	21,858	12,464	4,862	4,532
Seattle metropolitan area, Wash.....	375,933	65.9	367,732	14,331	8,372	3,495	2,464
Tacoma metropolitan area, Wash.....	73,197	67.5	72,703	1,462	951	383	128
Cleveland metropolitan area, Ohio.....	684,763	64.4	673,115	15,998	8,125	3,447	4,426
Spokane metropolitan area, Wash.....	106,962	89.2	106,526	2,813	1,591	749	473
Denver metropolitan area, Colo.....	326,326	80.1	324,096	10,646	7,312	1,826	1,508
Boston, Mass.....	536,012	86.3	528,941	14,442	8,060	3,067	3,315
Salt Lake City metropolitan area, Utah.....	162,854	93.1	162,351	4,124	1,544	1,204	1,376
San Diego metropolitan area, Calif.....	239,585	81.9	238,557	8,547	4,643	2,359	1,545
Los Angeles and Los Angeles County, Calif.....	1,755,001	55.6	1,736,703	67,966	44,328	13,125	10,513
Contra Costa County (Richmond), Calif.....	124,118	57.8	121,434	5,168	2,968	1,436	764
Phoenix metropolitan area, Ariz.....	176,964	76.2	175,724	12,724	9,851	1,650	1,223
Albuquerque metropolitan area, N. Mex.....	77,329	75.9	77,082	3,849	2,754	727	368
Willamette Valley, Oreg.....	237,229	64.0	234,809	7,415	4,222	2,846	347
Vancouver and 4 counties, Wash.....	75,073	72.6	74,415	3,092	1,522	1,282	288
Southern Oregon.....	66,630	66.7	66,147	2,556	1,305	1,001	250
Portland and Multnomah County, Oreg.....	237,970	64.4	234,723	10,439	4,914	3,819	1,706
Dallas metropolitan area, Tex.....	271,852	62.5	269,845	9,260	5,127	3,004	1,129
Worcester and 10 towns, Mass.....	153,510	82.3	152,260	5,263	2,599	2,262	402
Fall River, Mass.....	31,548	37.3	31,327	1,154	563	427	164
Lake Charles and 2 parishes, La.....	54,305	81.1	54,130	1,277	734	359	184
Fresno metropolitan area, Calif.....	165,730	85.2	( <sup>3</sup> )				
Charlotte metropolitan area, N. C.....	106,821	75.4	( <sup>3</sup> )				
Pittsburgh and Allegheny County, Pa.....	( <sup>3</sup> )						
Total.....	47,364,940	64.9	6,990,093	250,182	148,863	61,740	39,579
Percentages.....			100.0	3.6	2.1	0.9	0.6

<sup>1</sup> X-rays taken as percentage of population 15 years of age and over. <sup>2</sup> Suspected cardiovascular findings are included in suspected other chest disease findings. The totals for each of these columns are therefore over- and under-stated, respectively. <sup>3</sup> Final report not yet received, survey in operation at time of publication. <sup>4</sup> In addition, over 500,000 X-rays were taken during this period in limited resurveys in Washington, D. C., and Cleveland, Ohio; in case finding surveys among migrant workers; and in other areas to which only photofluorographic equipment and technicians were supplied.

*This report was prepared by the Division of Chronic Disease and Tuberculosis, Public Health Service.*