

# **Morbidity Tables**

## **Cities and Metropolitan Statistical Areas, 2008**



**Table 45. Tuberculosis Cases in Selected Cities<sup>1</sup>: 2008 and 2007**

City	Cases <sup>2</sup>	
	2008	2007
Albuquerque, NM	14	10
Anaheim, CA	34	35
Arlington, TX	19	24
Atlanta, GA	19	44
Austin, TX	39	51
Baltimore, MD	32	47
Birmingham, AL	16	25
Boston, MA	61	49
Buffalo, NY	15	6
Charlotte, NC	20	27
Chicago, IL	212	258
Cincinnati, OH	10	21
Cleveland, OH	35	25
Colorado Springs, CO	10	6
Columbus, OH	55	67
Corpus Christi, TX	12	13
Dallas, TX	161	163
Denver, CO	30	40
Detroit, MI	53	62
El Paso, TX	61	40
Fort Worth, TX	49	58
Fresno, CA	51	27
Honolulu, HI	50	62
Houston, TX <sup>3</sup>	264	281
Indianapolis, IN	33	41
Jacksonville, FL	100	68
Kansas City, MO	18	20
Las Vegas, NV	81	76
Long Beach, CA	47	38
Los Angeles, CA	329	306
Louisville, KY	26	30
Memphis, TN	81	72
Mesa, AZ	7	11
Miami, FL	128	152
Milwaukee, WI	24	26
Minneapolis, MN	56	71
Nashville, TN	68	50
Newark, NJ	36	36
New Orleans, LA	28	28
New York, NY	895	908
Norfolk, VA	5	4
Oakland, CA	49	59
Oklahoma City, OK	17	26
Omaha, NE	17	9
Philadelphia, PA	159	125
Phoenix, AZ	64	97
Pittsburgh, PA	7	6
Portland, OR	26	29
Sacramento, CA	76	73
St. Louis, MO	20	25
St. Paul, MN	38	40
San Antonio, TX	81	72
San Diego, CA	156	161
San Francisco, CA	118	142
San Jose, CA	130	166
Santa Ana, CA	34	33
Seattle, WA	66	86
Tampa, FL	32	53
Toledo, OH	7	4
Tucson, AZ	26	36
Tulsa, OK	14	22
Virginia Beach, VA	9	12
Washington, DC	54	59
Wichita, KS	16	17
<b>TOTAL - 64 CITIES</b>	<b>4,500</b>	<b>4,730</b>
San Juan, PR	10	15

<sup>1</sup>Historical list of cities.<sup>2</sup>Case counts are based on verified cases in persons residing within city limits.

Residence within city limits was determined by the health department.

<sup>3</sup>Change in case count from 2007 report due to a correction in jurisdiction assignment of a case

**Table 46. Tuberculosis Cases and Case Rates per 100,000 Population: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008 and 2007**

Metropolitan Statistical Area	Cases		Case Rates		Population Estimates 2008
	2008	2007	2008	2007	
Akron, OH	5	5	(0.7)	(0.7)	698,553
Albany-Schenectady-Troy, NY	4	16	(0.5)	(1.9)	853,919
Albuquerque, NM	23	16	(2.7)	(1.9)	845,913
Allentown-Bethlehem-Easton, PA-NJ	17	2	(2.1)	(0.2)	808,210
Atlanta-Sandy Springs-Marietta, GA	300	274	(5.6)	(5.2)	5,376,285
Augusta-Richmond County, GA-SC	26	34	(4.9)	(6.4)	534,218
Austin-Round Rock, TX	56	66	(3.4)	(4.1)	1,652,602
Bakersfield, CA	50	38	(6.2)	(4.8)	800,458
Baltimore-Towson, MD	89	105	(3.3)	(3.9)	2,667,117
Baton Rouge, LA	30	28	(3.9)	(3.6)	774,327
Birmingham-Hoover, AL	32	42	(2.9)	(3.8)	1,117,608
Boise City-Nampa, ID	6	4	(1.0)	(0.7)	599,753
Boston-Cambridge-Quincy, MA-NH	207	179	(4.6)	(4.0)	4,522,858
Bridgeport-Stamford-Norwalk, CT	36	52	(4.0)	(5.8)	895,030
Buffalo-Niagara Falls, NY	18	10	(1.6)	(0.9)	1,124,309
Cape Coral-Fort Myers, FL	32	45	(5.4)	(7.7)	593,136
Charleston-North Charleston, SC	31	44	(4.8)	(7.0)	644,506
Charlotte-Gastonia-Concord, NC-SC	76	50	(4.5)	(3.0)	1,701,799
Chattanooga, TN-GA	16	16	(3.1)	(3.1)	518,441
Chicago-Naperville-Joliet, IL	436	489	(4.6)	(5.1)	9,569,624
Cincinnati-Middleton, OH-KY-IN	42	44	(1.9)	(2.1)	2,155,137
Cleveland-Elyria-Mentor, OH	59	61	(2.8)	(2.9)	2,088,291
Colorado Springs, CO	10	7	(1.6)	(1.2)	617,714
Columbia, SC	24	31	(3.3)	(4.3)	728,063
Columbus, OH	66	80	(3.7)	(4.6)	1,773,120
Dallas-Fort Worth-Arlington, TX	372	384	(5.9)	(6.2)	6,300,006
Dayton, OH	10	15	(1.2)	(1.8)	836,544
Denver-Aurora, CO	67	79	(2.7)	(3.2)	2,506,626
Des Moines-West Des Moines, IA	7	7	(1.3)	(1.3)	556,230
Detroit-Warren-Livonia, MI	119	138	(2.7)	(3.1)	4,425,110
El Paso, TX	67	40	(9.0)	(5.5)	742,062
Fresno, CA	73	42	(8.0)	(4.7)	909,153
Grand Rapids-Wyoming, MI	14	23	(1.8)	(3.0)	776,833
Greensboro-High Point, NC	24	31	(3.4)	(4.5)	705,684
Greenville, SC	19	18	(3.0)	(2.9)	624,715
Harrisburg-Carlisle, PA	17	13	(3.2)	(2.5)	531,108
Hartford-West Hartford-East Hartford, CT	24	25	(2.0)	(2.1)	1,190,512
Honolulu, HI	101	109	(11.2)	(12.1)	905,034
Houston-Sugar Land-Baytown, TX	457	488	(8.0)	(8.7)	5,728,143
Indianapolis-Carmel, IN	40	48	(2.3)	(2.8)	1,715,459
Jackson, MS	35	36	(6.5)	(6.7)	537,285
Jacksonville, FL	107	76	(8.1)	(5.9)	1,313,228
Kansas City, MO-KS	46	49	(2.3)	(2.5)	2,002,047
Knoxville, TN	17	16	(2.5)	(2.4)	691,152
Lakeland, FL	21	29	(3.6)	(5.1)	580,594
Las Vegas-Paradise, NV	91	92	(4.9)	(5.0)	1,865,746
Little Rock-North Little Rock-Conway, AR	16	31	(2.4)	(4.7)	675,069
Los Angeles-Long Beach-Santa Ana, CA	1,054	1,077	(8.2)	(8.4)	12,872,808
Louisville-Jefferson County, KY-IN	34	39	(2.7)	(3.2)	1,244,696
Madison, WI	8	4	(1.4)	(0.7)	561,505
McAllen-Edinburg-Mission, TX	90	76	(12.4)	(10.8)	726,604
Memphis, TN-MS-AR	96	84	(7.5)	(6.6)	1,285,732
Miami-Fort Lauderdale-Pompano Beach, FL	349	337	(6.4)	(6.2)	5,414,772
Milwaukee-Waukesha-West Allis, WI	35	38	(2.3)	(2.5)	1,549,308
Minneapolis-St. Paul-Bloomington, MN-WI	165	188	(5.1)	(5.9)	3,229,878
Modesto, CA	21	16	(4.1)	(3.1)	510,694

**Table 46. (Cont'd) Tuberculosis Cases and Case Rates per 100,000 Population: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008 and 2007**

Metropolitan Statistical Area	Cases		Case Rates		Population Estimates 2008
	2008	2007	2008	2007	
Nashville-Davidson-Murfreesboro-Franklin, TN	100	74	(6.4)	(4.9)	1,550,733
New Haven-Milford, CT	26	25	(3.1)	(3.0)	846,101
New Orleans-Metairie-Kenner, LA	72	70	(6.3)	(6.3)	1,134,029
New York-Northern New Jersey-Long Island, NY-NJ-PA	1,446	1,450	(7.6)	(7.7)	19,006,798
Ogden-Clearfield, UT	4	4	(0.8)	(0.8)	531,488
Oklahoma City, OK	35	41	(2.9)	(3.4)	1,206,142
Omaha-Council Bluffs, NE-IA	25	14	(3.0)	(1.7)	837,925
Orlando-Kissimmee, FL	106	117	(5.2)	(5.8)	2,054,574
Oxnard-Thousand Oaks-Ventura, CA	65	58	(8.1)	(7.3)	797,740
Palm Bay-Melbourne-Titusville, FL	10	19	(1.9)	(3.6)	536,521
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	285	237	(4.9)	(4.1)	5,838,471
Phoenix-Mesa-Scottsdale, AZ	150	210	(3.5)	(5.0)	4,281,899
Pittsburgh, PA	27	30	(1.1)	(1.3)	2,351,192
Portland-South Portland-Biddeford, ME	4	12	(0.8)	(2.3)	514,065
Portland-Vancouver-Beaverton, OR-WA	61	67	(2.8)	(3.1)	2,207,462
Poughkeepsie-Newburgh-Middletown, NY	15	10	(2.2)	(1.5)	672,525
Providence-New Bedford-Fall River, RI-MA	56	58	(3.5)	(3.6)	1,596,611
Provo-Orem, UT	1	...	(0.2)	...	540,820
Raleigh-Cary, NC	51	64	(4.7)	(6.1)	1,088,765
Richmond, VA	38	30	(3.1)	(2.5)	1,225,626
Riverside-San Bernardino-Ontario, CA	153	140	(3.7)	(3.4)	4,115,871
Rochester, NY	17	24	(1.6)	(2.3)	1,034,090
Sacramento-Arden Arcade-Roseville, CA	124	134	(5.9)	(6.4)	2,109,832
St. Louis, MO-IL	58	56	(2.1)	(2.0)	2,816,710
Salt Lake City, UT	16	21	(1.4)	(1.9)	1,115,692
San Antonio, TX	92	84	(4.5)	(4.2)	2,031,445
San Diego-Carlsbad-San Marcos, CA	264	280	(8.8)	(9.5)	3,001,072
San Francisco-Oakland-Fremont, CA	404	454	(9.5)	(10.8)	4,274,531
San Jose-Sunnyvale-Santa Clara, CA	198	240	(10.9)	(13.4)	1,819,198
Sarasota-Bradenton-Venice, FL	31	33	(4.5)	(4.8)	687,823
Scranton-Wilkes-Barre, PA	12	9	(2.2)	(1.6)	549,150
Seattle-Tacoma-Bellevue, WA	164	209	(4.9)	(6.3)	3,344,813
Springfield, MA	6	13	(0.9)	(1.9)	687,558
Stockton, CA	66	51	(9.8)	(7.6)	672,388
Syracuse, NY	22	17	(3.4)	(2.6)	643,794
Tampa-St. Petersburg-Clearwater, FL	111	128	(4.1)	(4.7)	2,733,761
Toledo, OH	8	8	(1.2)	(1.2)	649,104
Tucson, AZ	26	41	(2.6)	(4.1)	1,012,018
Tulsa, OK	22	31	(2.4)	(3.4)	916,079
Virginia Beach-Norfolk-Newport News, VA-NC	42	41	(2.5)	(2.5)	1,658,292
Washington-Arlington-Alexandria, DC-VA-MD-WV	401	416	(7.5)	(7.8)	5,358,130
Wichita, KS	17	17	(2.8)	(2.9)	603,716
Worcester, MA	29	18	(3.7)	(2.3)	783,806
Youngstown-Warren-Boardman, OH-PA	6	8	(1.1)	(1.4)	565,947
<b>Total - 100 Areas</b>	<b>10,153</b>	<b>10,456</b>	<b>(5.1)</b>	<b>(5.3)</b>	<b>199,179,635</b>
San Juan-Caguas-Guaynabo, PR	75	79	(2.9)	(3.0)	2,608,375

**Note:** In 2008, there was 1 metropolitan statistical area with a 2007 population of less than 500,000. Ellipses indicate that data not shown for those populations less than 500,000.

2008 and 2007 population case counts and rates updated using U.S. Census Metropolitan Statistical Areas and Components, November 2007, with Codes (<http://www.whitehouse.gov/omb/bulletins/fy2008/b08-01.pdf>) (accessed July 27, 2009).

See Technical Notes for definition of MSA (page 9).

**Table 47. Tuberculosis Cases by Pulmonary and Extrapulmonary Disease: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008**

Metropolitan Statistical Area	Total Cases	Pulmonary <sup>1</sup>		Extrapulmonary <sup>2</sup>		Cases in Persons with Both Pulmonary and Extrapulm. Disease		
		No.	(% )	No.	(% )	Total <sup>3</sup>		Miliary
						No.	(% )	No.
Akron, OH	5	3	(60.0)	1	(20.0)	1	(20.0)	0
Albany-Schenectady-Troy, NY	4	4	(100.0)	0	(0.0)	0	(0.0)	0
Albuquerque, NM	23	13	(56.5)	8	(34.8)	2	(8.7)	0
Allentown-Bethlehem-Easton, PA-NJ	17	10	(58.8)	6	(35.3)	1	(5.9)	0
Atlanta-Sandy Springs-Marietta, GA	300	210	(70.0)	59	(19.7)	30	(10.0)	2
Augusta-Richmond County, GA-SC	26	16	(61.5)	6	(23.1)	4	(15.4)	1
Austin-Round Rock, TX	56	37	(66.1)	15	(26.8)	4	(7.1)	2
Bakersfield, CA	50	42	(84.0)	5	(10.0)	3	(6.0)	1
Baltimore-Towson, MD	89	58	(65.2)	23	(25.8)	8	(9.0)	2
Baton Rouge, LA	30	24	(80.0)	6	(20.0)	0	(0.0)	0
Birmingham-Hoover, AL	32	29	(90.6)	3	(9.4)	0	(0.0)	0
Boise City-Nampa, ID	6	6	(100.0)	0	(0.0)	0	(0.0)	0
Boston-Cambridge-Quincy, MA-NH	207	118	(57.0)	47	(22.7)	42	(20.3)	15
Bridgeport-Stamford-Norwalk, CT	36	26	(72.2)	7	(19.4)	3	(8.3)	1
Buffalo-Niagara Falls, NY	18	15	(83.3)	2	(11.1)	1	(5.6)	0
Cape Coral-Fort Myers, FL	32	29	(90.6)	3	(9.4)	0	(0.0)	0
Charleston-North Charleston, SC	31	22	(71.0)	4	(12.9)	5	(16.1)	2
Charlotte-Gastonia-Concord, NC-SC	76	57	(75.0)	13	(17.1)	6	(7.9)	2
Chattanooga, TN-GA	16	12	(75.0)	2	(12.5)	2	(12.5)	1
Chicago-Naperville-Joliet, IL	436	262	(60.1)	127	(29.1)	47	(10.8)	8
Cincinnati-Middletown, OH-KY-IN	42	32	(76.2)	4	(9.5)	6	(14.3)	2
Cleveland-Elyria-Mentor, OH	59	38	(64.4)	15	(25.4)	6	(10.2)	2
Colorado Springs, CO	10	4	(40.0)	3	(30.0)	3	(30.0)	0
Columbia, SC	24	17	(70.8)	4	(16.7)	3	(12.5)	1
Columbus, OH	66	41	(62.1)	24	(36.4)	1	(1.5)	0
Dallas-Fort Worth-Arlington, TX	372	282	(75.8)	63	(16.9)	27	(7.3)	10
Dayton, OH	10	8	(80.0)	2	(20.0)	0	(0.0)	0
Denver-Aurora, CO	67	36	(53.7)	21	(31.3)	10	(14.9)	3
Des Moines-West Des Moines, IA	7	4	(57.1)	3	(42.9)	0	(0.0)	0
Detroit-Warren-Livonia, MI	119	69	(58.0)	27	(22.7)	20	(16.8)	0
El Paso, TX	67	51	(76.1)	10	(14.9)	6	(9.0)	5
Fresno, CA	73	61	(83.6)	8	(11.0)	4	(5.5)	2
Grand Rapids-Wyoming, MI	14	6	(42.9)	7	(50.0)	0	(0.0)	0
Greensboro-High Point, NC	24	16	(66.7)	5	(20.8)	3	(12.5)	0
Greenville, SC	19	11	(57.9)	6	(31.6)	2	(10.5)	1
Harrisburg-Carlisle, PA	17	10	(58.8)	5	(29.4)	2	(11.8)	1
Hartford-West Hartford-East Hartford, CT	24	14	(58.3)	6	(25.0)	4	(16.7)	1
Honolulu, HI	101	82	(81.2)	12	(11.9)	7	(6.9)	3
Houston-Sugar Land-Baytown, TX	457	340	(74.4)	84	(18.4)	33	(7.2)	16
Indianapolis-Carmel, IN	40	28	(70.0)	7	(17.5)	5	(12.5)	0
Jackson, MS	35	31	(88.6)	3	(8.6)	1	(2.9)	0
Jacksonville, FL	107	90	(84.1)	17	(15.9)	0	(0.0)	0
Kansas City, MO-KS	46	30	(65.2)	11	(23.9)	5	(10.9)	2
Knoxville, TN	17	16	(94.1)	1	(5.9)	0	(0.0)	0
Lakeland, FL	21	17	(81.0)	2	(9.5)	2	(9.5)	0
Lancaster, PA	17	13	(76.5)	3	(17.6)	1	(5.9)	0
Las Vegas-Paradise, NV	91	69	(75.8)	14	(15.4)	8	(8.8)	0
Little Rock-North Little Rock-Conway, AR	16	12	(75.0)	2	(12.5)	1	(6.3)	0
Los Angeles-Long Beach-Santa Ana, CA	1,054	748	(71.0)	223	(21.2)	82	(7.8)	12
Louisville-Jefferson County, KY-IN	34	29	(85.3)	4	(11.8)	1	(2.9)	0
Madison, WI	8	5	(62.5)	2	(25.0)	1	(12.5)	1
McAllen-Edinburg-Mission, TX	90	76	(84.4)	7	(7.8)	7	(7.8)	4
Memphis, TN-MS-AR	96	53	(55.2)	29	(30.2)	14	(14.6)	2
Miami-Fort Lauderdale-Pompano Beach, FL	349	279	(79.9)	64	(18.3)	6	(1.7)	2
Milwaukee-Waukesha-West Allis, WI	35	19	(54.3)	13	(37.1)	3	(8.6)	3
Minneapolis-St. Paul-Bloomington, MN-WI	165	81	(49.1)	69	(41.8)	15	(9.1)	0
Modesto, CA	21	18	(85.7)	2	(9.5)	1	(4.8)	0

**Table 47. (Cont'd) Tuberculosis Cases by Pulmonary and Extrapulmonary Disease: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008**

Metropolitan Statistical Area	Total Cases	Pulmonary <sup>1</sup>		Extrapulmonary <sup>2</sup>		Cases in Persons with Both Pulmonary and Extrapulm. Disease		
		No.	(% )	No.	(% )	Total <sup>3</sup>		Military
						No.	(% )	No.
Nashville-Davidson-Murfreesboro-Franklin, TN	100	84	(84.0)	6	(6.0)	10	(10.0)	2
New Haven-Milford, CT	26	19	(73.1)	6	(23.1)	1	(3.8)	0
New Orleans-Metairie-Kenner, LA	72	61	(84.7)	7	(9.7)	4	(5.6)	3
New York-Northern New Jersey-Long Island, NY-NJ-PA	1,446	930	(64.3)	346	(23.9)	170	(11.8)	7
Ogden-Clearfield, UT	4	4	(100.0)	0	(0.0)	0	(0.0)	0
Oklahoma City, OK	35	28	(80.0)	4	(11.4)	3	(8.6)	1
Omaha-Council Bluffs, NE-IA	25	17	(68.0)	8	(32.0)	0	(0.0)	0
Orlando-Kissimmee, FL	106	87	(82.1)	9	(8.5)	10	(9.4)	1
Oxnard-Thousand Oaks-Ventura, CA	65	48	(73.8)	12	(18.5)	5	(7.7)	0
Palm Bay-Melbourne-Titusville, FL	10	8	(80.0)	2	(20.0)	0	(0.0)	0
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	285	183	(64.2)	73	(25.6)	29	(10.2)	7
Phoenix-Mesa-Scottsdale, AZ	150	116	(77.3)	32	(21.3)	2	(1.3)	2
Pittsburgh, PA	27	17	(63.0)	8	(29.6)	2	(7.4)	0
Portland-South Portland-Biddeford, ME	4	3	(75.0)	1	(25.0)	0	(0.0)	0
Portland-Vancouver-Beaverton, OR-WA	61	47	(77.0)	9	(14.8)	5	(8.2)	2
Poughkeepsie-Newburgh-Middletown, NY	15	6	(40.0)	8	(53.3)	1	(6.7)	0
Providence-New Bedford-Fall River, RI-MA	56	36	(64.3)	9	(16.1)	11	(19.6)	3
Provo-Orem, UT	1	1	(100.0)	0	(0.0)	0	(0.0)	0
Raleigh-Cary, NC	51	30	(58.8)	12	(23.5)	9	(17.6)	1
Richmond, VA	38	33	(86.8)	5	(13.2)	0	(0.0)	0
Riverside-San Bernardino-Ontario, CA	153	114	(74.5)	37	(24.2)	2	(1.3)	1
Rochester, NY	17	10	(58.8)	4	(23.5)	3	(17.6)	1
Sacramento-Arden Arcade-Roseville, CA	124	99	(79.8)	19	(15.3)	6	(4.8)	0
St. Louis, MO-IL	58	44	(75.9)	11	(19.0)	3	(5.2)	2
Salt Lake City, UT	16	10	(62.5)	4	(25.0)	2	(12.5)	0
San Antonio, TX	92	76	(82.6)	10	(10.9)	6	(6.5)	1
San Diego-Carlsbad-San Marcos, CA	264	169	(64.0)	53	(20.1)	42	(15.9)	9
San Francisco-Oakland-Fremont, CA	404	281	(69.6)	87	(21.5)	36	(8.9)	7
San Jose-Sunnyvale-Santa Clara, CA	198	132	(66.7)	49	(24.7)	17	(8.6)	3
Sarasota-Bradenton-Venice, FL	31	24	(77.4)	6	(19.4)	1	(3.2)	0
Scranton-Wilkes-Barre, PA	12	7	(58.3)	3	(25.0)	2	(16.7)	1
Seattle-Tacoma-Bellevue, WA	164	79	(48.2)	55	(33.5)	30	(18.3)	3
Springfield, MA	6	6	(100.0)	0	(0.0)	0	(0.0)	0
Stockton, CA	66	53	(80.3)	5	(7.6)	8	(12.1)	1
Syracuse, NY	22	19	(86.4)	3	(13.6)	0	(0.0)	0
Tampa-St. Petersburg-Clearwater, FL	111	95	(85.6)	12	(10.8)	4	(3.6)	1
Toledo, OH	8	5	(62.5)	3	(37.5)	0	(0.0)	0
Tucson, AZ	26	22	(84.6)	3	(11.5)	1	(3.8)	0
Tulsa, OK	22	21	(95.5)	1	(4.5)	0	(0.0)	0
Virginia Beach-Norfolk-Newport News, VA-NC	42	32	(76.2)	9	(21.4)	1	(2.4)	1
Washington-Arlington-Alexandria, DC-VA-MD-WV	401	281	(70.1)	83	(20.7)	37	(9.2)	8
Wichita, KS	17	10	(58.8)	5	(29.4)	2	(11.8)	0
Worcester, MA	29	23	(79.3)	3	(10.3)	3	(10.3)	1
Youngstown-Warren-Boardman, OH-PA	6	2	(33.3)	2	(33.3)	2	(33.3)	1
<b>Total - 101 Areas</b>	<b>10,170</b>	<b>7,101</b>	<b>(69.8)</b>	<b>2,143</b>	<b>(21.1)</b>	<b>919</b>	<b>(9.0)</b>	<b>180</b>
San Juan-Caguas-Guaynabo, PR	75	65	(86.7)	9	(12.0)	1	(1.3)	1

<sup>1</sup>Includes cases in persons with pulmonary listed as major site of disease and no additional site of disease.

<sup>2</sup>Includes cases in persons with pleural, lymphatic, bone and/or joint, meningeal, peritoneal, genitourinary, or other site, excluding pulmonary, listed as major site of disease.

<sup>3</sup>Includes military cases.

**Note:** 7 (<0.1%) cases had missing and/or unknown site of disease.

See Technical Notes for definition of MSA (page 9).

**Table 48. Tuberculosis Cases by Age Group: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008**

Metropolitan Statistical Area	Total Cases	Under 5	5–14	15–24	25–44	45–64	$\geq 65$	Unknown or Missing
Akron, OH	5	1	0	1	1	1	1	0
Albany-Schenectady-Troy, NY	4	0	0	2	1	1	0	0
Albuquerque, NM	23	0	1	0	5	10	7	0
Allentown-Bethlehem-Easton, PA-NJ	17	0	2	4	4	3	4	0
Atlanta-Sandy Springs-Marietta, GA	300	24	5	37	119	86	29	0
Augusta-Richmond County, GA-SC	26	0	0	1	14	5	6	0
Austin-Round Rock, TX	56	3	1	7	19	18	8	0
Bakersfield, CA	50	1	1	8	18	11	11	0
Baltimore-Towson, MD	89	2	1	11	27	22	26	0
Baton Rouge, LA	30	0	0	4	9	14	3	0
Birmingham-Hoover, AL	32	0	0	4	7	12	9	0
Boise City-Nampa, ID	6	0	1	2	1	0	2	0
Boston-Cambridge-Quincy, MA-NH	207	0	1	34	76	57	39	0
Bridgeport-Stamford-Norwalk, CT	36	1	0	8	14	6	7	0
Buffalo-Niagara Falls, NY	18	1	1	2	5	6	3	0
Cape Coral-Fort Myers, FL	32	2	1	3	7	13	6	0
Charleston-North Charleston, SC	31	1	0	3	17	9	1	0
Charlotte-Gastonia-Concord, NC-SC	76	5	2	5	31	27	6	0
Chattanooga, TN-GA	16	1	0	4	4	3	4	0
Chicago-Naperville-Joliet, IL	436	8	5	39	155	145	84	0
Cincinnati-Middleton, OH-KY-IN	42	1	0	7	12	12	10	0
Cleveland-Elyria-Mentor, OH	59	4	2	10	18	12	13	0
Colorado Springs, CO	10	0	0	2	2	4	2	0
Columbia, SC	24	1	0	2	9	4	8	0
Columbus, OH	66	5	6	7	27	11	10	0
Dallas-Fort Worth-Arlington, TX	372	13	2	48	151	129	29	0
Dayton, OH	10	0	0	2	2	2	4	0
Denver-Aurora, CO	67	4	4	9	23	16	11	0
Des Moines-West Des Moines, IA	7	0	0	0	3	4	0	0
Detroit-Warren-Livonia, MI	119	2	0	11	34	48	24	0
El Paso, TX	67	2	1	6	13	19	26	0
Fresno, CA	73	8	3	13	16	17	16	0
Grand Rapids-Wyoming, MI	14	1	0	2	4	4	3	0
Greensboro-High Point, NC	24	1	2	2	8	7	4	0
Greenville, SC	19	0	2	3	9	2	3	0
Harrisburg-Carlisle, PA	17	0	0	4	7	4	2	0
Hartford-West Hartford-East Hartford, CT	24	1	0	1	12	7	3	0
Honolulu, HI	101	0	2	10	20	41	28	0
Houston-Sugar Land-Baytown, TX	457	25	8	40	175	151	58	0
Indianapolis-Carmel, IN	40	1	1	5	13	14	6	0
Jackson, MS	35	0	3	1	16	12	3	0
Jacksonville, FL	107	3	2	9	25	52	16	0
Kansas City, MO-KS	46	2	2	4	20	10	8	0
Knoxville, TN	17	0	0	0	2	4	11	0
Lakeland, FL	21	2	0	1	4	9	5	0
Lancaster, PA	17	0	0	1	7	2	7	0
Las Vegas-Paradise, NV	91	11	1	8	24	32	15	0
Little Rock-North Little Rock-Conway, AR	16	2	0	2	5	4	3	0
Los Angeles-Long Beach-Santa Ana, CA	1,054	30	27	90	340	325	242	0
Louisville-Jefferson County, KY-IN	34	1	1	6	11	11	4	0
Madison, WI	8	0	0	0	5	1	2	0
McAllen-Edinburg-Mission, TX	90	7	1	13	30	25	14	0
Memphis, TN-MS-AR	96	7	1	8	38	28	14	0
Miami-Fort Lauderdale-Pompano Beach, FL	349	16	3	39	113	118	60	0
Milwaukee-Waukesha-West Allis, WI	35	1	0	7	12	8	7	0

**Table 48. (Cont'd) Tuberculosis Cases by Age Group: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008**

Metropolitan Statistical Area	Total Cases	Under 5	5–14	15–24	25–44	45–64	$\geq 65$	Unknown or Missing
Minneapolis-St. Paul-Bloomington, MN-WI	165	8	9	46	61	26	15	0
Modesto, CA	21	0	0	4	8	4	5	0
Nashville-Davidson-Murfreesboro-Franklin, TN	100	4	1	5	37	39	14	0
New Haven-Milford, CT	26	0	0	3	10	8	5	0
New Orleans-Metairie-Kenner, LA	72	1	0	10	25	27	9	0
New York-Northern New Jersey-Long Island, NY-NJ-PA	1,446	14	27	177	546	433	249	0
Ogden-Clearfield, UT	4	0	0	0	0	1	3	0
Oklahoma City, OK	35	5	0	3	9	14	3	1
Omaha-Council Bluffs, NE-IA	25	4	0	4	8	8	1	0
Orlando-Kissimmee, FL	106	5	0	9	35	37	20	0
Oxnard-Thousand Oaks-Ventura, CA	65	1	1	9	21	17	16	0
Palm Bay-Melbourne-Titusville, FL	10	0	0	0	2	6	2	0
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	285	22	25	27	89	76	46	0
Phoenix-Mesa-Scottsdale, AZ	150	10	5	19	66	27	23	0
Pittsburgh, PA	27	0	1	2	8	7	9	0
Portland-South Portland-Biddeford, ME	4	0	0	0	1	2	1	0
Portland-Vancouver-Beaverton, OR-WA	61	1	2	9	22	13	14	0
Poughkeepsie-Newburgh-Middletown, NY	15	0	0	0	5	7	3	0
Providence-New Bedford-Fall River, RI-MA	56	3	3	3	20	16	11	0
Provo-Orem, UT	1	0	0	1	0	0	0	0
Raleigh-Cary, NC	51	3	1	4	22	16	5	0
Richmond, VA	38	3	0	9	13	7	6	0
Riverside-San Bernardino-Ontario, CA	153	3	3	18	33	61	35	0
Rochester, NY	17	2	0	3	6	3	3	0
Sacramento-Arden Arcade-Roseville, CA	124	1	4	10	39	37	33	0
St. Louis, MO-IL	58	1	0	7	21	17	12	0
Salt Lake City, UT	16	1	0	4	5	3	3	0
San Antonio, TX	92	1	2	6	26	42	15	0
San Diego-Carlsbad-San Marcos, CA	264	5	12	40	79	82	46	0
San Francisco-Oakland-Fremont, CA	404	11	4	36	134	105	114	0
San Jose-Sunnyvale-Santa Clara, CA	198	5	2	17	62	65	47	0
Sarasota-Bradenton-Venice, FL	31	1	1	5	7	11	6	0
Scranton-Wilkes-Barre, PA	12	0	0	0	3	0	9	0
Seattle-Tacoma-Bellevue, WA	164	8	6	24	64	31	31	0
Springfield, MA	6	0	0	1	1	2	2	0
Stockton, CA	66	4	3	3	14	22	20	0
Syracuse, NY	22	1	2	4	7	6	2	0
Tampa-St. Petersburg-Clearwater, FL	111	3	1	10	28	50	19	0
Toledo, OH	8	1	0	1	3	2	1	0
Tucson, AZ	26	3	1	3	3	10	6	0
Tulsa, OK	22	2	0	1	6	6	7	0
Virginia Beach-Norfolk-Newport News, VA-NC	42	1	1	4	11	11	14	0
Washington-Arlington-Alexandria, DC-VA-MD-WV	401	11	4	56	152	114	64	0
Wichita, KS	17	1	1	3	5	4	3	0
Worcester, MA	29	0	1	5	11	9	3	0
Youngstown-Warren-Boardman, OH-PA	6	0	0	0	1	1	4	0
<b>Total - 101 Areas</b>	<b>10,170</b>	<b>351</b>	<b>219</b>	<b>1,157</b>	<b>3,473</b>	<b>3,083</b>	<b>1,886</b>	<b>1</b>
San Juan-Caguas-Guaynabo, PR	75	1	1	4	22	31	16	0

Note: See Technical Notes for definition of MSA (page 9).

**Table 49. Tuberculosis Cases by Hispanic Ethnicity and Non-Hispanic Race: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008**

Metropolitan Statistical Area	Total Cases	Hispanic or Latino <sup>1</sup>	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	Multiple Race <sup>2</sup>	Unknown or Missing
Akron, OH	5	0	0	3	0	0	2	0	0
Albany-Schenectady-Troy, NY	4	0	0	2	1	0	1	0	0
Albuquerque, NM	23	15	4	4	0	0	0	0	0
Allentown-Bethlehem-Easton, PA-NJ	17	6	0	4	2	0	4	1	0
Atlanta-Sandy Springs-Marietta, GA	300	52	0	72	140	1	35	0	0
Augusta-Richmond County, GA-SC	26	1	0	2	16	0	7	0	0
Austin-Round Rock, TX	56	23	1	10	12	0	10	0	0
Bakersfield, CA	50	32	0	7	4	0	7	0	0
Baltimore-Towson, MD	89	8	0	30	38	0	13	0	0
Baton Rouge, LA	30	0	0	5	15	0	8	0	2
Birmingham-Hoover, AL	32	4	0	2	18	0	8	0	0
Boise City-Nampa, ID	6	2	0	0	1	1	2	0	0
Boston-Cambridge-Quincy, MA-NH	207	36	0	72	59	0	38	2	0
Bridgeport-Stamford-Norwalk, CT	36	13	0	11	6	0	6	0	0
Buffalo-Niagara Falls, NY	18	0	0	6	6	0	6	0	0
Cape Coral-Fort Myers, FL	32	13	0	0	9	0	10	0	0
Charleston-North Charleston, SC	31	7	0	7	11	0	6	0	0
Charlotte-Gastonia-Concord, NC-SC	76	17	0	10	35	0	11	3	0
Chattanooga, TN-GA	16	7	0	2	2	0	4	0	1
Chicago-Naperville-Joliet, IL	436	96	0	140	125	0	73	0	2
Cincinnati-Middletown, OH-KY-IN	42	12	0	6	6	0	16	2	0
Cleveland-Elyria-Mentor, OH	59	5	0	11	35	0	8	0	0
Colorado Springs, CO	10	4	0	1	2	0	3	0	0
Columbia, SC	24	6	0	3	11	0	4	0	0
Columbus, OH	66	11	0	12	34	0	9	0	0
Dallas-Fort Worth-Arlington, TX	372	118	0	62	129	1	61	1	0
Dayton, OH	10	0	1	2	2	0	5	0	0
Denver-Aurora, CO	67	19	1	25	13	1	7	1	0
Des Moines-West Des Moines, IA	7	1	0	5	0	0	1	0	0
Detroit-Warren-Livonia, MI	119	9	0	23	53	0	32	0	2
El Paso, TX	67	60	0	0	0	0	7	0	0
Fresno, CA	73	33	0	31	0	0	9	0	0
Grand Rapids-Wyoming, MI	14	4	0	5	1	0	4	0	0
Greensboro-High Point, NC	24	1	0	6	13	0	3	1	0
Greenville, SC	19	8	0	7	3	0	1	0	0
Harrisburg-Carlisle, PA	17	1	0	7	6	0	3	0	0
Hartford-West Hartford-East Hartford, CT	24	6	0	10	4	0	4	0	0
Honolulu, HI	101	1	0	74	1	22	2	1	0
Houston-Sugar Land-Baytown, TX	457	189	0	68	128	0	71	1	0
Indianapolis-Carmel, IN	40	11	0	9	10	0	10	0	0
Jackson, MS	35	2	0	1	24	0	8	0	0
Jacksonville, FL	107	6	0	16	59	0	26	0	0
Kansas City, MO-KS	46	12	0	13	13	0	8	0	0
Knoxville, TN	17	1	0	1	3	0	12	0	0
Lakeland, FL	21	5	0	1	12	0	3	0	0
Lancaster, PA	17	2	0	1	5	0	9	0	0
Las Vegas-Paradise, NV	91	34	1	32	9	0	15	0	0
Little Rock-North Little Rock-Conway, AR	16	3	0	1	6	0	5	0	1
Los Angeles-Long Beach-Santa Ana, CA	1,054	453	1	420	99	2	77	2	0
Louisville-Jefferson County, KY-IN	34	2	0	0	13	0	19	0	0
Madison, WI	8	3	0	4	0	0	1	0	0
McAllen-Edinburg-Mission, TX	90	85	0	1	0	0	3	1	0
Memphis, TN-MS-AR	96	12	1	10	63	0	10	0	0
Miami-Fort Lauderdale-Pompano Beach, FL	349	130	0	15	161	0	41	2	0
Milwaukee-Waukesha-West Allis, WI	35	6	0	10	11	0	7	0	1
Minneapolis-St. Paul-Bloomington, MN-WI	165	11	2	44	99	0	9	0	0
Modesto, CA	21	11	0	7	0	0	3	0	0

**Table 49. (Cont'd) Tuberculosis Cases by Hispanic Ethnicity and Non-Hispanic Race: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008**

Metropolitan Statistical Area	Total Cases	Hispanic or Latino <sup>1</sup>	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	Multiple Race <sup>2</sup>	Unknown or Missing
Nashville-Davidson-Murfreesboro-Franklin, TN	100	15	0	11	43	0	31	0	0
New Haven-Milford, CT	26	8	0	8	6	0	4	0	0
New Orleans-Metairie-Kenner, LA	72	13	0	6	32	0	21	0	0
New York-Northern New Jersey-Long Island, NY-NJ-PA	1,446	465	1	508	318	2	139	7	6
Ogden-Clearfield, UT	4	2	0	0	0	1	1	0	0
Oklahoma City, OK	35	5	4	3	15	0	8	0	0
Omaha-Council Bluffs, NE-IA	25	9	0	4	6	0	6	0	0
Orlando-Kissimmee, FL	106	20	1	17	52	0	16	0	0
Oxnard-Thousand Oaks-Ventura, CA	65	33	0	22	1	0	9	0	0
Palm Bay-Melbourne-Titusville, FL	10	1	0	0	0	0	9	0	0
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	285	26	0	100	122	0	37	0	0
Phoenix-Mesa-Scottsdale, AZ	150	85	5	29	12	0	17	2	0
Pittsburgh, PA	27	1	0	7	6	0	13	0	0
Portland-South Portland-Biddeford, ME	4	0	0	1	2	0	1	0	0
Portland-Vancouver-Beaverton, OR-WA	61	13	0	30	3	3	12	0	0
Poughkeepsie-Newburgh-Middletown, NY	15	4	0	4	3	0	4	0	0
Providence-New Bedford-Fall River, RI-MA	56	12	1	15	13	0	15	0	0
Provo-Orem, UT	1	0	0	0	0	0	1	0	0
Raleigh-Cary, NC	51	17	0	10	17	0	6	1	0
Richmond, VA	38	8	0	11	15	0	4	0	0
Riverside-San Bernardino-Ontario, CA	153	70	1	51	7	1	21	2	0
Rochester, NY	17	2	0	4	6	0	5	0	0
Sacramento-Arden Arcade-Roseville, CA	124	21	0	71	10	1	21	0	0
St. Louis, MO-IL	58	4	1	11	26	1	15	0	0
Salt Lake City, UT	16	6	0	6	3	0	1	0	0
San Antonio, TX	92	52	0	11	10	0	18	1	0
San Diego-Carlsbad-San Marcos, CA	264	138	2	82	16	0	25	1	0
San Francisco-Oakland-Fremont, CA	404	97	1	215	47	6	37	1	0
San Jose-Sunnyvale-Santa Clara, CA	198	28	0	151	8	2	9	0	0
Sarasota-Bradenton-Venice, FL	31	8	0	4	7	0	12	0	0
Scranton-Wilkes-Barre, PA	12	2	0	2	0	0	8	0	0
Seattle-Tacoma-Bellevue, WA	164	28	2	59	47	10	18	0	0
Springfield, MA	6	1	0	3	1	0	1	0	0
Stockton, CA	66	19	0	34	3	0	9	0	1
Syracuse, NY	22	0	0	12	5	0	5	0	0
Tampa-St. Petersburg-Clearwater, FL	111	25	0	26	28	0	31	0	1
Toledo, OH	8	2	0	2	3	0	1	0	0
Tucson, AZ	26	10	2	5	5	0	4	0	0
Tulsa, OK	22	3	4	4	3	0	8	0	0
Virginia Beach-Norfolk-Newport News, VA-NC	42	5	0	16	12	0	9	0	0
Washington-Arlington-Alexandria, DC-VA-MD-WV	401	93	0	132	147	0	29	0	0
Wichita, KS	17	4	0	6	4	0	3	0	0
Worcester, MA	29	2	0	15	7	0	5	0	0
Youngstown-Warren-Boardman, OH-PA	6	0	0	1	2	0	3	0	0
<b>Total - 101 Areas</b>	<b>10,170</b>	<b>2,966</b>	<b>37</b>	<b>3,042</b>	<b>2,601</b>	<b>55</b>	<b>1,419</b>	<b>33</b>	<b>17</b>
San Juan-Caguas-Guaynabo, PR	75	74	0	1	0	0	0	0	0

<sup>1</sup>Persons of Hispanic or Latino origin may be of any race or multiple race.

<sup>2</sup>Indicates two or more races reported for a person.

**Note:** Case counts for race categories (American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White) are mutually exclusive and do not include persons of Hispanic ethnicity or multiple race. Multiple Race does not include persons of Hispanic ethnicity.

See Technical Notes for definition of MSA and Hispanic ethnicity and non-Hispanic race (page 9).

**Table 50. Tuberculosis Cases and Percentages, U.S.-born Persons and Foreign-born Persons: Metropolitan Statistical Areas with  $\geq 500,000$  Population, 2008**

Metropolitan Statistical Area	Total Cases	U.S.-born Persons		Foreign-born Persons <sup>1</sup>		Unknown	
		No.	(%)	No.	(%)	No.	(%)
Akron, OH	5	3	(60.0)	2	(40.0)	0	(0.0)
Albany-Schenectady-Troy, NY	4	2	(50.0)	2	(50.0)	0	(0.0)
Albuquerque, NM	23	10	(43.5)	13	(56.5)	0	(0.0)
Allentown-Bethlehem-Easton, PA-NJ	17	7	(41.2)	9	(52.9)	1	(5.9)
Atlanta-Sandy Springs-Marietta, GA	300	154	(51.3)	146	(48.7)	0	(0.0)
Augusta-Richmond County, GA-SC	26	23	(88.5)	3	(11.5)	0	(0.0)
Austin-Round Rock, TX	56	30	(53.6)	26	(46.4)	0	(0.0)
Bakersfield, CA	50	15	(30.0)	34	(68.0)	1	(2.0)
Baltimore-Towson, MD	89	42	(47.2)	47	(52.8)	0	(0.0)
Baton Rouge, LA	30	22	(73.3)	8	(26.7)	0	(0.0)
Birmingham-Hoover, AL	32	25	(78.1)	7	(21.9)	0	(0.0)
Boise City-Nampa, ID	6	2	(33.3)	4	(66.7)	0	(0.0)
Boston-Cambridge-Quincy, MA-NH	207	34	(16.4)	173	(83.6)	0	(0.0)
Bridgeport-Stamford-Norwalk, CT	36	5	(13.9)	31	(86.1)	0	(0.0)
Buffalo-Niagara Falls, NY	18	10	(55.6)	8	(44.4)	0	(0.0)
Cape Coral-Fort Myers, FL	32	20	(62.5)	12	(37.5)	0	(0.0)
Charleston-North Charleston, SC	31	19	(61.3)	12	(38.7)	0	(0.0)
Charlotte-Gastonia-Concord, NC-SC	76	52	(68.4)	24	(31.6)	0	(0.0)
Chattanooga, TN-GA	16	8	(50.0)	8	(50.0)	0	(0.0)
Chicago-Naperville-Joliet, IL	436	168	(38.5)	268	(61.5)	0	(0.0)
Cincinnati-Middleton, OH-KY-IN	42	17	(40.5)	25	(59.5)	0	(0.0)
Cleveland-Elyria-Mentor, OH	59	43	(72.9)	16	(27.1)	0	(0.0)
Colorado Springs, CO	10	3	(30.0)	7	(70.0)	0	(0.0)
Columbia, SC	24	14	(58.3)	10	(41.7)	0	(0.0)
Columbus, OH	66	26	(39.4)	40	(60.6)	0	(0.0)
Dallas-Fort Worth-Arlington, TX	372	197	(53.0)	175	(47.0)	0	(0.0)
Dayton, OH	10	6	(60.0)	4	(40.0)	0	(0.0)
Denver-Aurora, CO	67	17	(25.4)	50	(74.6)	0	(0.0)
Des Moines-West Des Moines, IA	7	1	(14.3)	6	(85.7)	0	(0.0)
Detroit-Warren-Livonia, MI	119	71	(59.7)	47	(39.5)	1	(0.8)
El Paso, TX	67	27	(40.3)	40	(59.7)	0	(0.0)
Fresno, CA	73	26	(35.6)	47	(64.4)	0	(0.0)
Grand Rapids-Wyoming, MI	14	4	(28.6)	10	(71.4)	0	(0.0)
Greensboro-High Point, NC	24	12	(50.0)	12	(50.0)	0	(0.0)
Greenville, SC	19	4	(21.1)	15	(78.9)	0	(0.0)
Harrisburg-Carlisle, PA	17	4	(23.5)	11	(64.7)	2	(11.8)
Hartford-West Hartford-East Hartford, CT	24	6	(25.0)	18	(75.0)	0	(0.0)
Honolulu, HI	101	33	(32.7)	68	(67.3)	0	(0.0)
Houston-Sugar Land-Baytown, TX	457	242	(53.0)	215	(47.0)	0	(0.0)
Indianapolis-Carmel, IN	40	19	(47.5)	21	(52.5)	0	(0.0)
Jackson, MS	35	32	(91.4)	3	(8.6)	0	(0.0)
Jacksonville, FL	107	82	(76.6)	25	(23.4)	0	(0.0)
Kansas City, MO-KS	46	15	(32.6)	31	(67.4)	0	(0.0)
Knoxville, TN	17	13	(76.5)	2	(11.8)	2	(11.8)
Lakeland, FL	21	14	(66.7)	7	(33.3)	0	(0.0)
Lancaster, PA	17	12	(70.6)	5	(29.4)	0	(0.0)
Las Vegas-Paradise, NV	91	31	(34.1)	60	(65.9)	0	(0.0)
Little Rock-North Little Rock-Conway, AR	16	11	(68.8)	4	(25.0)	1	(6.3)
Los Angeles-Long Beach-Santa Ana, CA	1,054	231	(21.9)	819	(77.7)	4	(0.4)
Louisville-Jefferson County, KY-IN	34	20	(58.8)	14	(41.2)	0	(0.0)
Madison, WI	8	1	(12.5)	6	(75.0)	1	(12.5)
McAllen-Edinburg-Mission, TX	90	27	(30.0)	63	(70.0)	0	(0.0)
Memphis, TN-MS-AR	96	71	(74.0)	25	(26.0)	0	(0.0)
Miami-Fort Lauderdale-Pompano Beach, FL	349	122	(35.0)	227	(65.0)	0	(0.0)
Milwaukee-Waukesha-West Allis, WI	35	15	(42.9)	17	(48.6)	3	(8.6)
Minneapolis-St. Paul-Bloomington, MN-WI	165	30	(18.2)	135	(81.8)	0	(0.0)

**Table 50. (Cont'd) Tuberculosis Cases and Percentages, U.S.-born Persons and Foreign-born Persons: Metropolitan Statistical Areas with ≥500,000 Population, 2008**

Metropolitan Statistical Area	Total Cases	U.S.-born Persons		Foreign-born Persons <sup>1</sup>		Unknown	
		No.	(%)	No.	(%)	No.	(%)
Modesto, CA	21	3	(14.3)	18	(85.7)	0	(0.0)
Nashville-Davidson-Murfreesboro-Franklin, TN	100	60	(60.0)	40	(40.0)	0	(0.0)
New Haven-Milford, CT	26	7	(26.9)	19	(73.1)	0	(0.0)
New Orleans-Metairie-Kenner, LA	72	52	(72.2)	20	(27.8)	0	(0.0)
New York-Northern New Jersey-Long Island, NY-NJ-PA	1,446	324	(22.4)	1,118	(77.3)	4	(0.3)
Ogden-Clearfield, UT	4	1	(25.0)	3	(75.0)	0	(0.0)
Oklahoma City, OK	35	27	(77.1)	6	(17.1)	2	(5.7)
Omaha-Council Bluffs, NE-IA	25	10	(40.0)	15	(60.0)	0	(0.0)
Orlando-Kissimmee, FL	106	62	(58.5)	44	(41.5)	0	(0.0)
Oxnard-Thousand Oaks-Ventura, CA	65	15	(23.1)	50	(76.9)	0	(0.0)
Palm Bay-Melbourne-Titusville, FL	10	10	(100.0)	0	(0.0)	0	(0.0)
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	285	120	(42.1)	146	(51.2)	19	(6.7)
Phoenix-Mesa-Scottsdale, AZ	150	36	(24.0)	114	(76.0)	0	(0.0)
Pittsburgh, PA	27	15	(55.6)	12	(44.4)	0	(0.0)
Portland-South Portland-Biddeford, ME	4	1	(25.0)	3	(75.0)	0	(0.0)
Portland-Vancouver-Beaverton, OR-WA	61	14	(23.0)	47	(77.0)	0	(0.0)
Poughkeepsie-Newburgh-Middletown, NY	15	6	(40.0)	7	(46.7)	2	(13.3)
Providence-New Bedford-Fall River, RI-MA	56	15	(26.8)	41	(73.2)	0	(0.0)
Provo-Orem, UT	1	1	(100.0)	0	(0.0)	0	(0.0)
Raleigh-Cary, NC	51	28	(54.9)	23	(45.1)	0	(0.0)
Richmond, VA	38	20	(52.6)	18	(47.4)	0	(0.0)
Riverside-San Bernardino-Ontario, CA	153	42	(27.5)	111	(72.5)	0	(0.0)
Rochester, NY	17	6	(35.3)	11	(64.7)	0	(0.0)
Sacramento-Arden Arcade-Roseville, CA	124	34	(27.4)	86	(69.4)	4	(3.2)
St. Louis, MO-IL	58	29	(50.0)	29	(50.0)	0	(0.0)
Salt Lake City, UT	16	4	(25.0)	12	(75.0)	0	(0.0)
San Antonio, TX	92	57	(62.0)	35	(38.0)	0	(0.0)
San Diego-Carlsbad-San Marcos, CA	264	78	(29.5)	185	(70.1)	1	(0.4)
San Francisco-Oakland-Fremont, CA	404	101	(25.0)	303	(75.0)	0	(0.0)
San Jose-Sunnyvale-Santa Clara, CA	198	19	(9.6)	179	(90.4)	0	(0.0)
Sarasota-Bradenton-Venice, FL	31	17	(54.8)	14	(45.2)	0	(0.0)
Scranton-Wilkes-Barre, PA	12	6	(50.0)	6	(50.0)	0	(0.0)
Seattle-Tacoma-Bellevue, WA	164	38	(23.2)	126	(76.8)	0	(0.0)
Springfield, MA	6	2	(33.3)	4	(66.7)	0	(0.0)
Stockton, CA	66	17	(25.8)	48	(72.7)	1	(1.5)
Syracuse, NY	22	2	(9.1)	20	(90.9)	0	(0.0)
Tampa-St. Petersburg-Clearwater, FL	111	61	(55.0)	50	(45.0)	0	(0.0)
Toledo, OH	8	3	(37.5)	5	(62.5)	0	(0.0)
Tucson, AZ	26	12	(46.2)	14	(53.8)	0	(0.0)
Tulsa, OK	22	14	(63.6)	8	(36.4)	0	(0.0)
Virginia Beach-Norfolk-Newport News, VA-NC	42	18	(42.9)	24	(57.1)	0	(0.0)
Washington-Arlington-Alexandria, DC-VA-MD-WV	401	76	(19.0)	325	(81.0)	0	(0.0)
Wichita, KS	17	6	(35.3)	11	(64.7)	0	(0.0)
Worcester, MA	29	3	(10.3)	26	(89.7)	0	(0.0)
Youngstown-Warren-Boardman, OH-PA	6	5	(83.3)	1	(16.7)	0	(0.0)
<b>Total - 101 Areas</b>	<b>10,170</b>	<b>3,627</b>	<b>(35.7)</b>	<b>6,494</b>	<b>(63.9)</b>	<b>49</b>	<b>(0.5)</b>
San Juan-Caguas-Guaynabo, PR	75	63	(84.0)	12	(16.0)	0	(0.0)

<sup>1</sup>Includes persons born outside the United States, American Samoa, the Federated States of Micronesia, Guam, the Republic of the Marshall Islands, Midway Island, the Commonwealth of the Northern Mariana Islands, Puerto Rico, the Republic of Palau, the U.S. Virgin Islands, and U.S. minor and outlying Pacific islands.

**Note:** See Technical Notes for definition of MSA (page 9).

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