



**ERIE COUNTY
DEPARTMENT OF HEALTH**

Mark A. DiVecchio, County Executive
Andrew J. Glass, M. S., FACHE, Director



**PUBLIC HEALTH
PREPAREDNESS**

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2000 to 2007***

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Table 1: Chlamydia Annual Crude Incidence Rates: 2000 to 2003

Chlamydia		2000				2001			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	Total	583	207.6	190.7	224.5	785	279.5	259.9	299.1
	Male	123	89.8	73.9	105.7	183	133.6	114.2	153.0
	Female	460	319.7	290.5	348.9	602	418.4	385.0	451.8
	White	284	111.2	98.3	124.1	439	172.0	155.9	188.1
	Black	221	1,284.7	1,115.3	1,454.1	305	1,773.0	1,574.0	1,972.0
	Hispanic	N/A				26	424.4	261.3	587.5
	<15 yrs	15*	26.0	12.8	39.2	22	38.1	22.2	54.0
	15-19 yrs	241	1,075.7	939.9	1,211.5	258	1,151.6	1,011.1	1,292.1
	20-24 yrs	191	935.4	802.7	1,068.1	313	1,532.9	1,363.1	1,702.7
	25-29 yrs	73	427.5	329.4	525.6	98	573.8	460.2	687.4
	30-34 yrs	27	148.8	92.7	204.9	36	198.4	133.6	263.2
	35+ yrs	22	15.2	8.8	21.6	26	17.9	11.0	24.8
Pennsylvania	Total	26,129	212.8	210.2	215.3	27,581	224.5	221.8	227.1
	Male	N/A				N/A			
	Female	N/A				N/A			
	White	N/A				5,868	56.0	54.6	57.5
	Black	N/A				12,102	986.1	968.5	1,003.7
	Hispanic	N/A				1,350	329.1	311.5	346.6
United States	Total	702,093	249.5	248.9	250.1	783,242	274.7	274.1	275.3

Chlamydia		2002				2003			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	Total	873	309.9	289.3	330.5	958	339.2	317.7	360.7
	Male	256	186.2	163.4	209.0	292	211.6	187.3	235.9
	Female	617	427.9	394.1	461.7	666	461.1	426.1	496.1
	White	520	201.1	183.8	218.4	586	226.3	208.0	244.6
	Black	298	1,684.9	1,493.6	1,876.2	281	1,563.3	1,380.5	1,746.1
	Hispanic	54	864.1	633.6	1,094.6	61	948.2	710.2	1,186.2
	<15 yrs	16*	28.2	14.4	42.0	27	48.2	30.0	66.4
	15-19 yrs	277	1,249.1	1,102.0	1,396.2	333	1,528.0	1,363.9	1,692.1
	20-24 yrs	348	1,563.1	1,398.9	1,727.3	389	1,671.9	1,505.8	1,838.0
	25-29 yrs	130	809.3	670.2	948.4	120	753.2	618.4	888.0
	30-34 yrs	48	266.3	191.0	341.6	52	292.2	212.8	371.6
	35+ yrs	31	21.2	13.7	28.7	31	21.0	13.6	28.4
Pennsylvania	Total	31,952	259.0	256.2	261.9	37,291	301.6	298.5	304.7
	Male	N/A				9,682	161.7	158.5	164.9
	Female	N/A				27,557	432.2	427.1	437.3
	White	6,833	63.9	62.4	65.5	7,610	71.3	69.7	72.9
	Black	13,606	1,068.8	1,050.9	1,086.8	15,741	1,224.1	1,205.0	1,243.2
	Hispanic	1,531	368.3	349.8	386.7	1,946	459.5	439.1	479.9
United States	Total	834,555	289.9	289.3	290.5	877,478	302.1	301.5	302.7

*Numbers less than 20 are statistically unreliable; ND=Not displayed if count <10

Crude rate equals number of cases per 100,000 population; 95% Confidence Interval; CL=Confidence Limit

Before 2003 some reported cases did not include age

Total includes unknown gender, race, and age; Hispanic origin can be of any race; There may be multiple diseases in one person; Some individuals may become infected more than once

U.S. Census Bureau, Intercensal Population Estimates used for Erie County and U.S.; PA DOH Intercensal Population Estimates used for PA

Previous year pop. used for Erie County calculations; Current year pop. used for PA calculations; Current year pop. used for 2000-2006 U.S. calculations; Previous year pop. used for 2006 to present U.S. calculations

Source of Data: CDC STD Surveillance and Statistics; PA DOH EpiQMS; PA DOH STD Statistics; NEDSS; Erie County Dept of Health

Table 2: Chlamydia Annual Crude Incidence Rates: 2004 to 2007

Chlamydia		2004				2005			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	Total	928	327.9	306.8	349.0	926	329.7	308.5	350.9
	Male	276	199.4	175.9	222.9	267	194.2	170.9	217.5
	Female	652	451.0	416.4	485.6	659	459.6	424.5	494.7
	White	523	201.8	184.5	219.1	477	185.7	169.0	202.4
	Black	329	1,811.6	1,615.8	2,007.4	318	1,747.4	1,555.3	1,939.5
	Hispanic	61	901.3	675.1	1,127.5	38	552.4	376.8	728.0
	<15 yrs	13*	23.3	10.6	36.0	14*	25.5	12.1	38.9
	15-19 yrs	298	1,388.8	1,231.1	1,546.5	318	1,530.0	1,361.8	1,698.2
	20-24 yrs	390	1,639.2	1,476.5	1,801.9	363	1,567.4	1,406.2	1,728.6
	25-29 yrs	157	981.4	827.9	1,134.9	149	895.8	752.0	1,039.6
	30-34 yrs	50	286.9	207.4	366.4	52	315.9	230.0	401.8
	35+ yrs	20	13.5	7.6	19.4	30	20.1	12.9	27.3
	Pennsylvania	Total	38,025	306.5	303.4	309.6	37,261	299.8	296.8
Male		10,282	170.9	167.6	174.2	10,128	168.3	165.0	171.6
Female		27,740	434.1	429.0	439.2	27,131	423.2	418.2	428.2
White		7,760	72.3	70.7	73.9	8,230	76.6	74.9	78.3
Black		15,749	1,210.1	1,191.2	1,229.0	14,937	1,141.1	1,122.8	1,159.4
Hispanic		2,187	459.9	440.6	479.2	2,172	429.2	411.1	447.3
United States	Total	929,462	317.0	316.4	317.7	976,445	330.0	329.4	330.6

Chlamydia		2006				2007			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	Total	986	351.6	329.7	373.5	1,071	382.8	359.9	405.7
	Male	297	216.2	191.6	240.8	314	228.6	203.3	253.9
	Female	689	481.5	445.5	517.5	757	531.4	493.5	569.3
	White	401	156.5	141.2	171.8	436	171.0	154.9	187.1
	Black	341	1,879.1	1,679.7	2,078.5	376	2,026.2	1,821.4	2,231.0
	Hispanic	38	549.1	374.5	723.7	52	741.3	539.8	942.8
	<15 yrs	17*	31.6	16.6	46.6	22	57.5	33.5	81.5
	15-19 yrs	368	1,766.7	1,586.2	1,947.2	408	1,915.3	1,729.4	2,101.2
	20-24 yrs	359	1,559.6	1,398.3	1,720.9	412	1,874.6	1,693.6	2,055.6
	25-29 yrs	158	905.0	763.9	1,046.1	138	813.9	678.1	949.7
	30-34 yrs	46	291.0	206.9	375.1	61	389.5	291.8	487.2
	35+ yrs	38	25.4	17.3	33.5	30	19.9	12.8	27.0
	Pennsylvania	Total	39,487	317.4	314.3	320.5	N/A		
Male		10,981	181.9	178.5	185.3	N/A			
Female		28,503	445.0	439.8	450.2	N/A			
White		8,125	76.1	74.4	77.8	N/A			
Black		15,798	1,193.9	1,175.3	1,212.5	N/A			
Hispanic		2,360	447.8	429.7	465.9	N/A			
United States	Total	1,030,911	348.4	347.7	349.1	N/A			

*Numbers less than 20 are statistically unreliable; ND=Not displayed if count <10

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Source of Data: CDC STD Surveillance and Statistics; PA DOH EpiQMS; PA DOH STD Statistics; NEDSS; Erie County Dept of Health

Table 3: Chlamydia Annual Crude Incidence Rate Comparisons: 2000 to 2004

Chlamydia		Rate	Rate	% Change	Rate	Rate	% Change
		2000	2001		2001	2002	
Erie County	Total	207.6	279.5	34.6	279.5	309.9	10.9
	Male	89.8	133.6	48.8	133.6	186.2	39.4
	Female	319.7	418.4	30.9	418.4	427.9	2.3
	White	111.2	172.0	54.7	172.0	201.1	16.9
	Black	1,284.7	1,773.0	38.0	1,773.0	1,684.9	-5.0
	Hispanic	N/A	424.4		424.4	864.1	103.6
	<15 yrs	26.0	38.1	46.5	38.1	28.2	-26.0
	15-19 yrs	1,075.7	1,151.6	7.1	1,151.6	1,249.1	8.5
	20-24 yrs	935.4	1,532.9	63.9	1,532.9	1,563.1	2.0
	25-29 yrs	427.5	573.8	34.2	573.8	809.3	41.0
	30-34 yrs	148.8	198.4	33.3	198.4	266.3	34.2
	35+ yrs	15.2	17.9	17.8	17.9	21.2	18.4
	Pennsylvania	Total	212.8	224.5	5.5	224.5	259.0
Male		N/A	N/A		n/a	N/A	
Female		N/A	N/A		n/a	N/A	
White		N/A	56.0		56.0	63.9	14.2
Black		N/A	986.1		986.1	1,068.8	8.4
Hispanic		N/A	329.1		329.1	368.3	11.9
United States	Total	249.5	274.7	10.1	274.7	289.9	5.5

Chlamydia		Rate	Rate	% Change	Rate	Rate	% Change
		2002	2003		2003	2004	
Erie County	Total	309.9	339.2	9.5	339.2	327.9	-3.3
	Male	186.2	211.6	13.6	211.6	199.4	-5.8
	Female	427.9	461.1	7.8	461.1	451.0	-2.2
	White	201.1	226.3	12.5	226.3	201.8	-10.8
	Black	1,684.9	1,563.3	-7.2	1,563.3	1,811.6	15.9
	Hispanic	864.1	948.2	9.7	948.2	901.3	-4.9
	<15 yrs	28.2	48.2	70.9	48.2	23.3	-51.7
	15-19 yrs	1,249.1	1,528.0	22.3	1,528.0	1,388.8	-9.1
	20-24 yrs	1,563.1	1,671.9	7.0	1,671.9	1,639.2	-2.0
	25-29 yrs	809.3	753.2	-6.9	753.2	981.4	30.3
	30-34 yrs	266.3	292.2	9.7	292.2	286.9	-1.8
	35+ yrs	21.2	21.0	-0.9	21.0	13.5	-35.7
	Pennsylvania	Total	259.0	301.6	16.4	301.6	306.5
Male		N/A	161.7		161.7	170.9	5.7
Female		N/A	432.2		432.2	434.1	0.4
White		63.9	71.3	11.6	71.3	72.3	1.4
Black		1,068.8	1,224.1	14.5	1,224.1	1,210.1	-1.1
Hispanic		368.3	459.5	24.8	459.5	459.9	0.1
United States	Total	289.9	302.1	4.2	302.1	317.0	4.9

Red indicates significant difference

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Source of Data: CDC STD Surveillance and Statistics; PA DOH EpiQMS; PA DOH STD Statistics; NEDSS; Erie County Dept of Health

Table 4: Chlamydia Annual Crude Incidence Rate Comparisons: 2004 to 2007

Chlamydia		Rate	Rate	% Change	Rate	Rate	% Change
		2004	2005		2005	2006	
Erie County	Total	327.9	329.7	0.5	329.7	351.6	6.6
	Male	199.4	194.2	-2.6	194.2	216.2	11.3
	Female	451.0	459.6	1.9	459.6	481.5	4.8
	White	201.8	185.7	-8.0	185.7	156.5	-15.7
	Black	1,811.6	1,747.4	-3.5	1,747.4	1,879.1	7.5
	Hispanic	901.3	552.4	-38.7	552.4	549.1	-0.6
	<15 yrs	23.3	25.5	9.4	25.5	31.6	23.9
	15-19 yrs	1,388.8	1,530.0	10.2	1,530.0	1,766.7	15.5
	20-24 yrs	1,639.2	1,567.4	-4.4	1,567.4	1,559.6	-0.5
	25-29 yrs	981.4	895.8	-8.7	895.8	905.0	1.0
	30-34 yrs	286.9	315.9	10.1	315.9	291.0	-7.9
	35+ yrs	13.5	20.1	48.9	20.1	25.4	26.4
Pennsylvania	Total	306.5	299.8	-2.2	299.8	317.4	5.9
	Male	170.9	168.3	-1.5	168.3	181.9	8.1
	Female	434.1	423.2	-2.5	423.2	445.0	5.2
	White	72.3	76.6	5.9	76.6	76.1	-0.7
	Black	1,210.1	1,141.1	-5.7	1,141.1	1,193.9	4.6
	Hispanic	459.9	429.2	-6.7	429.2	447.8	4.3
United States	Total	317.0	330.0	4.1	330.0	348.4	5.6

Chlamydia		Rate	Rate	% Change
		2006	2007	
Erie County	Total	351.6	382.8	8.9
	Male	216.2	228.6	5.7
	Female	481.5	531.4	10.4
	White	156.5	171.0	9.3
	Black	1,879.1	2,026.2	7.8
	Hispanic	549.1	741.3	35.0
	<15 yrs	31.6	57.5	82.0
	15-19 yrs	1,766.7	1,915.3	8.4
	20-24 yrs	1,559.6	1,874.6	20.2
	25-29 yrs	905.0	813.9	-10.1
	30-34 yrs	291.0	389.5	33.8
	35+ yrs	25.4	19.9	-21.7
Pennsylvania	Total	317.4	N/A	
	Male	181.9	N/A	
	Female	445.0	N/A	
	White	76.1	N/A	
	Black	1,193.9	N/A	
	Hispanic	447.8	N/A	
United States	Total	348.4	N/A	

Red indicates significant difference

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Previous year pop. used for Erie County calculations; Current year pop. used for PA calculations; Current year pop. used for 2000-2006 U.S. calculations; Previous year pop. used for 2006 to present U.S. calculations

Source of Data: CDC STD Surveillance and Statistics; PA DOH EpiQMS; PA DOH STD Statistics; NEDSS; Erie County Dept of Health

Table 5: Chlamydia Three Year Crude Incidence Rates: 2000-2002 to 2005-2007

Chlamydia		2000-2002				2001-2003			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	Total	2,241	265.7	254.7	276.7	2,616	309.6	297.7	321.5
	Male	562	136.6	125.3	147.9	731	177.2	164.4	190.1
	Female	1,679	388.7	370.1	407.3	1,885	435.8	416.2	455.5
	White	1,243	161.6	152.6	170.6	1,545	199.9	190.0	209.9
	Black	824	1,581.8	1,473.8	1,689.9	884	1,672.2	1,562.0	1,782.5
	Hispanic	N/A	N/A			141	749.7	625.9	873.4
	<15 yrs	53	30.8	22.5	39.1	65	38.1	28.9	47.4
	15-19 yrs	776	1,158.5	1,077.0	1,240.0	868	1,307.8	1,220.8	1,394.8
	20-24 yrs	852	1,350.2	1,259.6	1,440.9	1,050	1,592.1	1,495.8	1,688.4
	25-29 yrs	301	599.4	531.7	667.1	348	709.1	634.6	783.6
	30-34 yrs	111	204.4	166.3	242.4	136	252.0	209.7	294.4
35+ yrs	79	18.1	14.1	22.1	88	20.0	15.9	24.2	
Pennsylvania	Total	85,662	232.1	230.5	233.7	96,824	261.8	260.2	263.4
United States	Total	2,319,890	271.5	271.2	271.8	2,495,275	289.0	288.6	289.4

Chlamydia		2002-2004				2003-2005			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	Total	2,759	325.7	313.6	337.9	2,812	332.3	320.0	344.6
	Male	824	199.1	185.5	212.7	835	201.8	188.1	215.4
	Female	1,935	446.7	426.8	466.6	1,977	457.2	437.1	477.4
	White	1,629	209.7	199.6	219.9	1,586	204.7	194.6	214.7
	Black	908	1,687.0	1,577.3	1,796.7	928	1,708.0	1,598.1	1,817.8
	Hispanic	176	904.9	771.2	1,038.6	160	796.8	673.3	920.3
	<15 yrs	56	33.2	24.5	41.9	54	32.4	23.8	41.1
	15-19 yrs	908	1,387.8	1,297.5	1,478.1	949	1,482.0	1,387.7	1,576.3
	20-24 yrs	1,127	1,625.7	1,530.8	1,720.7	1,142	1,626.3	1,532.0	1,720.7
	25-29 yrs	407	848.0	765.6	930.4	426	877.2	793.9	960.5
	30-34 yrs	150	281.7	236.6	326.8	154	298.0	250.9	345.0
35+ yrs	82	18.5	14.5	22.5	81	18.2	14.2	22.2	
Pennsylvania	Total	107,268	289.1	287.4	290.8	112,569	302.6	300.8	304.4
United States	Total	2,641,495	303.1	302.7	303.5	2,783,385	316.5	316.1	316.9

Chlamydia		2004-2006				2005-2007			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	Total	2,840	336.4	324.0	348.8	2,983	354.7	342.0	367.4
	Male	840	203.3	189.6	217.0	878	213.0	198.9	227.1
	Female	2,000	464.0	443.7	484.3	2,105	490.8	469.8	511.8
	White	1,401	181.4	171.9	190.9	1,314	160.8	152.1	169.5
	Black	988	1,812.6	1,699.6	1,925.6	1,035	1,885.2	1,770.3	2,000.1
	Hispanic	137	666.1	554.6	777.6	128	615.0	508.5	721.5
	<15 yrs	44	26.8	18.9	34.7	53	36.1	26.4	45.8
	15-19 yrs	984	1,560.1	1,462.6	1,657.6	1,094	1,738.8	1,635.8	1,841.8
	20-24 yrs	1,112	1,589.3	1,495.9	1,682.7	1,134	1,663.8	1,567.0	1,760.6
	25-29 yrs	464	926.3	842.0	1,010.6	445	871.7	790.7	952.7
	30-34 yrs	148	297.8	249.8	345.8	159	331.8	280.2	383.4
35+ yrs	88	19.7	15.6	23.8	98	21.8	17.5	26.1	
Pennsylvania	Total	114,765	307.9	306.1	309.7	N/A			
United States	Total	2,936,818	331.9	331.5	332.3	N/A			

*Numbers less than 20 are statistically unreliable; ND=Not displayed if count <10

Crude rate equals number of cases per 100,000 population; 95% Confidence Interval; CL=Confidence Limit

Before 2003 some reported cases did not include age

Total includes unknown gender, race, and age; Hispanic origin can be of any race; There may be multiple diseases in one person; Some individuals may become infected more than once

U.S. Census Bureau, Intercensal Population Estimates used for Erie County and U.S.; PA DOH Intercensal Population Estimates used for PA

Previous year pop. used for Erie County calculations; Current year pop. used for PA calculations; Current year pop. used for 2000-2006 U.S. calculations; Previous year pop. used for 2006 to present U.S. calculations

Source of Data: CDC STD Surveillance and Statistics; PA DOH EpiQMS; PA DOH STD Statistics; NEDSS; Erie County Dept of Health

Table 6: Chlamydia Three Year Crude Incidence Rate Comparisons: 2000-2002 to 2005-2007

Chlamydia		3 Year Rate	3 Year Rate	% Change	3 Year Rate	3 Year Rate	% Change
		2000-2002	2001-2003		2001-2003	2002-2004	
Erie County	Total	265.7	309.6	16.5	309.6	325.7	5.2
	Male	136.6	177.2	29.7	177.2	199.1	12.4
	Female	388.7	435.8	12.1	435.8	446.7	2.5
	White	161.6	199.9	23.7	199.9	209.7	4.9
	Black	1,581.8	1,672.2	5.7	1,672.2	1,687.0	0.9
	Hispanic	N/A	749.7		749.7	904.9	20.7
	<15 yrs	30.8	38.1	23.7	38.1	33.2	-12.9
	15-19 yrs	1,158.5	1,307.8	12.9	1,307.8	1,387.8	6.1
	20-24 yrs	1,350.2	1,592.1	17.9	1,592.1	1,625.7	2.1
	25-29 yrs	599.4	709.1	18.3	709.1	848.0	19.6
	30-34 yrs	204.4	252.0	23.3	252.0	281.7	11.8
35+ yrs	18.1	20.0	10.5	20.0	18.5	-7.5	
Pennsylvania	Total	232.1	261.8	12.8	261.8	289.1	10.4
United States	Total	271.5	289.0	6.4	289.0	303.1	4.9

Chlamydia		3 Year Rate	3 Year Rate	% Change	3 Year Rate	3 Year Rate	% Change
		2002-2004	2003-2005		2003-2005	2004-2006	
Erie County	Total	325.7	332.3	2.0	332.3	336.4	1.2
	Male	199.1	201.8	1.4	201.8	203.3	0.7
	Female	446.7	457.2	2.4	457.2	464.0	1.5
	White	209.7	204.7	-2.4	204.7	181.4	-11.4
	Black	1,687.0	1,708.0	1.2	1,708.0	1,812.6	6.1
	Hispanic	904.9	796.8	-11.9	796.8	666.1	-16.4
	<15 yrs	33.2	32.4	-2.4	32.4	26.8	-17.3
	15-19 yrs	1,387.8	1,482.0	6.8	1,482.0	1,560.1	5.3
	20-24 yrs	1,625.7	1,626.3	0.0	1,626.3	1,589.3	-2.3
	25-29 yrs	848.0	877.2	3.4	877.2	926.3	5.6
	30-34 yrs	281.7	298.0	5.8	298.0	297.8	-0.1
35+ yrs	18.5	18.2	-1.6	18.2	19.7	8.2	
Pennsylvania	Total	289.1	302.6	4.7	302.6	307.9	1.8
United States	Total	303.1	316.5	4.4	316.5	330.8	4.5

Chlamydia		3 Year Rate	3 Year Rate	% Change		
		2004-2006	2005-2007			
Erie County	Total	336.4	354.7	5.4		
	Male	203.3	213.0	4.8		
	Female	464.0	490.8	5.8		
	White	181.4	160.8	-11.4		
	Black	1,812.6	1,885.2	4.0		
	Hispanic	666.1	615.0	-7.7		
	<15 yrs	26.8	36.1	34.7		
	15-19 yrs	1,560.1	1,738.8	11.5		
	20-24 yrs	1,589.3	1,663.8	4.7		
	25-29 yrs	926.3	871.7	-5.9		
	30-34 yrs	297.8	331.8	11.4		
35+ yrs	19.7	21.8	10.7			
Pennsylvania	Total	N/A	N/A			
United States	Total	N/A	N/A			

Red indicates significant difference

Rates based on numbers less than 20 are statistically unreliable; ND=Not displayed if count <10

Crude rate equals number of cases per 100,000 population; 95% Confidence Interval

Before 2003 some reported cases did not include age

Total includes unknown gender, race, and age; Hispanic origin can be of any race; There may be multiple diseases in one person; Some individuals may become infected more than once

U.S Census Bureau, Intercensal Population Estimates used for Erie County and U.S.; PA DOH Intercensal Population Estimates used for PA

Previous year pop. used for Erie County calculations; Current year pop. used for PA calculations; Current year pop. used for 2000-2006 U.S. calculations; Previous year pop. used for 2006 to present U.S. calculations

Source of Data: CDC STD Surveillance and Statistics; PA DOH EpiQMS; PA DOH STD Statistics; NEDSS; Erie County Dept of Health

Table 7: Chlamydia Five Year Crude Incidence Rates: 2000-2004 to 2003-2007

Chlamydia		2000-2004				2001-2005			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	<i>Total</i>	4,127	293.0	284.1	301.9	4,470	317.3	308.0	326.6
	<i>Male</i>	1,130	164.3	154.7	173.9	1,274	185.1	174.9	195.3
	<i>Female</i>	2,997	415.7	400.8	430.6	3,196	443.6	428.2	459.0
	<i>White</i>	2,352	182.7	175.3	190.1	2,545	197.5	189.8	205.2
	<i>Black</i>	1,434	1,625.4	1,541.3	1,709.5	1,531	1,715.9	1,629.9	1,801.9
	<i>Hispanic</i>	N/A				240	739.5	645.9	833.1
	<i><15 yrs</i>	93	32.8	26.1	39.5	92	32.7	26.0	39.4
	<i>15-19 yrs</i>	1,407	1,276.4	1,209.7	1,343.1	1,484	1,366.3	1,296.8	1,435.8
	<i>20-24 yrs</i>	1,631	1,480.6	1,408.7	1,552.5	1,803	1,597.0	1,523.3	1,670.7
	<i>25-29 yrs</i>	578	703.6	646.2	761.0	654	800.4	739.1	861.7
	<i>30-34 yrs</i>	213	237.9	206.0	269.8	238	270.9	236.5	305.3
	<i>35+ yrs</i>	130	17.7	14.7	20.7	138	18.7		
Pennsylvania	<i>Total</i>	160,978	261.0	259.7	262.3	172,102	278.4	277.1	279.7
United States	<i>Total</i>	4,126,830	287.0	286.7	287.3	4,401,182	303.0	302.7	303.3

Chlamydia		2002-2006				2003-2007			
		Cases	Rate	Lower CL	Upper CL	Cases	Rate	Lower CL	Upper CL
Erie County	<i>Total</i>	4,671	331.7	322.2	341.2	4,869	346.2	336.5	355.9
	<i>Male</i>	1,388	201.5	190.9	212.1	1,446	210.0	199.2	220.8
	<i>Female</i>	3,283	456.2	440.6	471.8	3,423	476.8	460.8	492.8
	<i>White</i>	2,507	194.4	186.8	202.0	2,423	188.4	180.9	195.9
	<i>Black</i>	1,567	1,737.9	1,651.9	1,823.9	1,645	1,806.9	1,719.6	1,894.2
	<i>Hispanic</i>	252	757.9	664.3	851.5	250	735.0	643.9	826.1
	<i><15 yrs</i>	87	31.4	24.8	38.0	93	35.9	28.6	43.2
	<i>15-19 yrs</i>	1,594	1,489.1	1,416.0	1,562.2	1,725	1,624.8	1,548.1	1,701.5
	<i>20-24 yrs</i>	1,849	1,600.9	1,527.9	1,673.9	1,913	1,660.4	1,586.0	1,734.8
	<i>25-29 yrs</i>	714	869.8	806.0	933.6	722	870.1	806.6	933.6
	<i>30-34 yrs</i>	248	290.0	253.9	326.1	261	313.9	275.8	352.0
	<i>35+ yrs</i>	150	20.2	17.0	23.4	149	20.0	16.8	23.2
Pennsylvania	<i>Total</i>	184,008	296.9	295.5	298.3	n/a			
United States	<i>Total</i>	4,648,851	317.7	317.4	318.0	n/a			

*Numbers less than 20 are statistically unreliable; ND=Not displayed if count <10

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Source of Data: CDC STD Surveillance and Statistics; PA DOH EpiQMS; PA DOH STD Statistics; NEDSS; Erie County Dept of Health

Table 8: Chlamydia Five Year Crude Incidence Rate Comparisons: 2000-2004 to 2002-007

Chlamydia		5 Year Rate	5 Year Rate	% Change	5 Year Rate	5 Year Rate	% Change
		2000-2004	2001-2005		2001-2005	2002-2006	
Erie County	Total	293.0	317.3	8.3	317.3	331.7	4.5
	Male	164.3	185.1	12.7	185.1	201.5	8.9
	Female	415.7	443.6	6.7	443.6	456.2	2.8
	White	182.7	197.5	8.1	197.5	194.4	-1.6
	Black	1,625.4	1,715.9	5.6	1,715.9	1,737.9	1.3
	Hispanic	N/A	739.5		739.5	757.9	2.5
	<15 yrs	32.8	32.7	-0.3	32.7	31.4	-4.0
	15-19 yrs	1,276.4	1,366.3	7.0	1,366.3	1,489.1	9.0
	20-24 yrs	1,480.6	1,597.0	7.9	1,597.0	1,600.9	0.2
	25-29 yrs	703.6	800.4	13.8	800.4	869.8	8.7
	30-34 yrs	237.9	270.9	13.9	270.9	290.0	7.1
	35+ yrs	17.7	18.7	5.6	18.7	20.2	8.0
	Pennsylvania	Total	261.0	278.4	6.7	278.4	296.9
United States	Total	287.0	303.0	5.6	303.0	317.1	4.7

Chlamydia		5 Year Rate	5 Year Rate	% Change
		2002-2006	2003-2007	
Erie County	Total	331.7	346.2	4.4
	Male	201.5	210.0	4.2
	Female	456.2	476.8	4.5
	White	194.4	188.4	-3.1
	Black	1,737.9	1,806.9	4.0
	Hispanic	757.9	735.0	-3.0
	<15 yrs	31.4	35.9	14.3
	15-19 yrs	1,489.1	1,624.8	9.1
	20-24 yrs	1,600.9	1,660.4	3.7
	25-29 yrs	869.8	870.1	0.0
	30-34 yrs	290.0	313.9	8.2
	35+ yrs	20.2	20.0	-1.0
	Pennsylvania	Total	296.9	n/a
United States	Total	317.1	n/a	

Red indicates significant difference

Rates based on numbers less than 20 are statistically unreliable; ND=Not displayed if count <10

Crude rate equals number of cases per 100,000 population; 95% Confidence Interval

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Total includes unknown gender, race, and age; Hispanic origin can be of any race; There may be multiple diseases in one person; Some individuals may become infected more than once

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Source of Data: CDC STD Surveillance and Statistics; PA DOH EpiQMS; PA DOH STD Statistics; NEDSS; Erie County Dept of Health

TECHNICAL NOTES

- Crude incidence rates are the number of cases per 100,000 population for a specific area or group.
- Annual population numbers used to calculate crude rates for Erie County and the U.S. are from the U.S. Census Bureau, Population Division, Population Estimates.
- Erie County population profile for 2006: 49.1% male; 50.9% female; 91.1% white; 6.6% black or African-American; 2.5% Hispanic; 19.0% <15 yrs; 7.6% 15-19 yrs; 7.9% 20-24 yrs; 6.1% 25-29 yrs; 5.6% 30-34 yrs; 53.8% 35+ yrs.
- Annual population numbers used to calculate crude rates for PA are from EpiQMS.
- Rates for Erie County as reported by the PA DOH may differ from the Erie County rates in this report due to the use of different population estimates for Erie County.
- Previous year population estimates are used to calculate Erie County rates; Current year population estimates are used to calculate PA rates; From 2000-2005, current year population estimates are used to calculate U.S. rates; Previous year population estimates are used to calculate 2006 U.S. rates.
- Reported rates may differ depending on the population estimate used for calculation.
- Rates based on <10 events are not reported. Rates based on 10 to 19 events are reported but statistically unreliable.
- Three and five year crude incidence rates are the sum of the number of cases for the targeted years divided by the sum of the population estimates for the targeted years multiplied by 100,000.
- Age reporting for some cases was not complete before 2003.
- Hispanic origin may be of any race.
- 95% confidence limits for crude rates are: $CL = \text{Rate } (r) \pm \text{Confidence Interval } (CI)$
where $CI = 1.96 \times r/\sqrt{n}$ and $n = \text{the number of cases}$
- 95% significance tests used to compare independent annual rates within the same population group or between non-overlapping three and five year average annual rates within the same population groups are:
 - 10-99 events Rate Difference Equation $CI = (r_1 - r_2) \pm \sqrt{(CL_1 + CL_2)}$ where $CL = 1.96 \times (r/\sqrt{n})$
 - ≥ 100 events Rate Ratio Equation $CI = r_1/r_2 \pm 1.96 \times r_1/r_2 \sqrt{((1/n_1) + (1/n_2))}$
- 95% significance test used to compare overlapping, dependent three and five year rates within the same population groups are:
 - 10-99 events Expected and Observed $\mu = (o-e)/\sqrt{e}$ where $o = \text{observed cases}$
 $e = \text{expected cases}$
 - ≥ 100 events Rate Difference Equation $\mu = (r_1 - r_2) \times \sqrt{(n/(r_2 - r_2^2))}$.

DATA SOURCES

- Erie County Department of Health at <http://www.ecdh.org>
- PA Department of Health, Bureau of Communicable Diseases, Sexually Transmitted Diseases at <http://www.health.state.pa.us>
- PA Department of Health, Bureau of Health Statistics and Research, EpiQMS at <http://www.dsf.health.state.pa.us>
- PA Department of Health, Bureau of Health Statistics and Research, Technical Assistance, “Tools of the Trade” at <http://www.dsf.health.state.pa.us>
- National Electronic Disease Surveillance System (NEDSS)
- Centers for Disease Control and Prevention, Sexually Transmitted Diseases at <http://www.cdc.gov/std/default.htm>
- United State Census Bureau, Population Division, Population Estimates at <http://www.census.gov>
- MedlinePlus – Medical Encyclopedia
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