

DIVISION OF  
DISEASE CONTROL

20  
13

# ANNUAL REPORT



Department of  
**Public Health**  
CITY OF PHILADELPHIA  
LIFE • LIBERTY • AND YOU™



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# 1 OVERVIEW

DISEASE REPORTING TRENDS  
REGIONAL OVERVIEW

# DISEASE REPORTING TRENDS

Reports of Communicable Diseases Per Year:  
Philadelphia, 2004-2013

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Amebiasis	9	6	4	19	14	13	4	9	11	13
Animal Bites/Exposures	1,353	1,418	1,457	1,499	1,641	1,768	1,624	1,513	1,598	1,586
Anthrax	0	0	0	0	0	0	0	0	0	0
Babesiosis	0	0	0	1	0	0	0	1	0	1
Botulism	0	1	1	1	1	0	1	2	2	2
Brucellosis	0	0	0	1	0	0	0	0	1	1
Campylobacteriosis	96	74	73	80	118	117	121	141	182	103
<i>Chlamydia trachomatis</i>	16,723	15,577	17,199	17,029	17,012	18,104	19,428	20,471	20,803	19,570
Cholera	0	0	0	0	0	1	0	0	1	0
Cryptosporidiosis	19	27	29	94	23	38	17	14	18	58
Cyclosporiasis	0	3	0	2	1	3	0	0	1	0
Dengue Fever	0	0	1	8	1	0	3	1	1	11
Diphtheria	0	0	0	0	0	0	0	0	0	0
<i>Escherichia coli</i> , Shiga Toxin-Producing (STEC)	11	7	19	4	8	10	14	9	12	6
Giardiasis	104	93	81	65	99	106	122	43	60	76
Gonorrhea	5,206	5,053	5,218	5,246	4,950	4,823	6,533	6,761	7,293	6,303
Guillian-Barre Syndrome	0	1	2	1	3	1	0	0	0	1
Haemophilus influenzae [Type B]	9 [0]	14 [0]	16 [0]	19 [2]	11 [1]	30 [7]	28 [1]	22 [2]	39 [1]	26 [0]
Hepatitis A	39	17	14	9	10	2	13	8	2	6
Hepatitis B, Acute	60	27	21	15	21	9	5	7	4	5
Hepatitis C, Acute (Non-A, Non-B Until 1998)	0	2	1	0	0	0	1	0	13	18
Histoplasmosis	2	0	1	2	0	1	2	0	1	0
Legionellosis	31	19	21	24	26	60	33	64	29	61
Leptospirosis	0	0	0	0	0	0	1	0	1	0
Listeriosis	11	2	7	8	5	5	8	2	6	10
Lyme Disease	182	172	139	172	281	363	238	301	191	189
Malaria	13	14	15	7	19	16	22	19	13	21
Measles	0	0	0	0	0	1	0	0	2	0
Meningitis, Aseptic	87	95	66	86	79	68	84	104	92	124
Meningitis, Bacterial	4*	4*	1*	4	4	6	12	12	5	3
Meningococcal Infections	14	8	2	9	5	12	5	4	6	3
Mumps	1	2	2	1	1	0	54	21	4	3
Pertussis	109	75	50	39	54	65	74	49	268	86

\*Excluding *Neisseria meningitidis*, *Haemophilus influenzae*, *Listeria*, and invasive *Streptococcus pneumoniae*. Beginning in 2003, *S. pneumoniae* meningitis was counted with other *S. pneumoniae* cases.

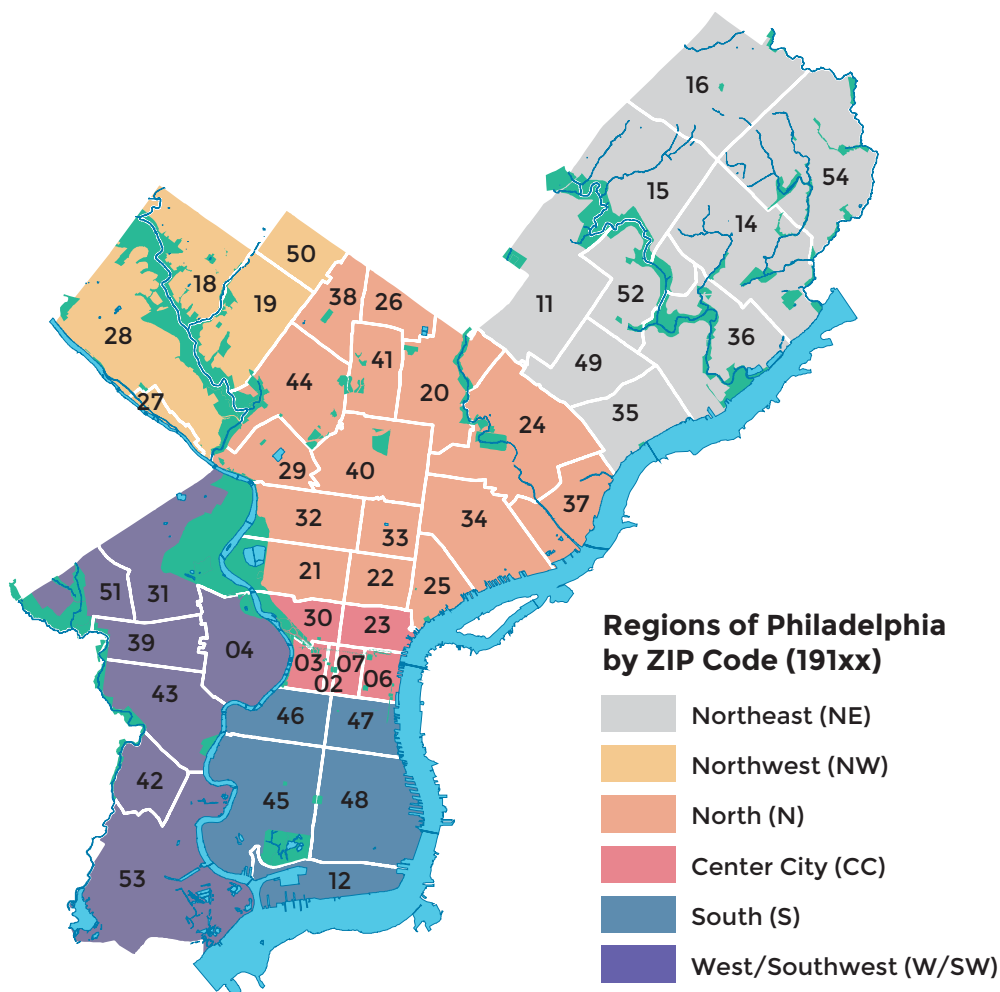
# DISEASE REPORTING TRENDS (Cont.)

Reports of Communicable Diseases Per Year:  
Philadelphia, 2004-2013 (Cont.)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Plague	0	0	0	0	0	0	0	0	0	0
Poliomyelitis	0	0	0	0	0	0	0	0	0	0
Rickettsial Diseases, Including RMSF	7	3	8	2	3	0	9	4	12	8
Rubella, Including Congenital Rubella Syndrome	0	0	0	0	0	0	0	0	0	0
Salmonellosis, Excluding Typhoid	261	305	293	404	420	396	395	301	305	284
Shigellosis	31	31	14	138	206	1,051	141	41	48	66
<i>Strep Pneumoniae</i> , Invasive	94	151	139	162	165	198	154	158	103	149
<i>Streptococcus</i> , Invasive gp. A [TSS]	24 [3]	27 [0]	37 [0]	34 [0]	75 [0]	49 [1]	66 [0]	73 [0]	61 [0]	56 [0]
Syphilis-Primary & Secondary	72	86	125	136	150	218	238	207	269	278
Syphilis-Congenital	0	2	0	9	7	4	1	4	5	1
Syphilis-Total	470	417	540	500	526	704	667	698	798	962
Tetanus	0	0	0	0	0	0	0	0	0	0
Toxic Shock Syndrome, Staphylococcal	0	0	0	0	0	0	0	0	1	0
Tuberculosis	129	116	149	133	162	98	96	101	86	89
Tularemia	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	2	1	4	0	6	2	2	3	2	1
Varicella	N/A**	614	787	735	349	326	261	262	118	167
West Nile Virus	1	0	1	0	8	0	13	1	9	3
Yellow Fever	0	0	0	0	0	0	0	0	0	0
Vibrio SPP. Other	0	0	0	0	3	3	0	1	0	0

\*\*Citywide varicella data not available for these years.

# REGIONAL OVERVIEW



**Total Population Count by Age and Region:  
Philadelphia, 2010\***

	NE	NW	N	CC/S	W/SW	Total
<b>Age</b>						
0-4 Yrs	23127	5055	41227	13888	17760	101057
5-17 Yrs	56820	12189	103578	26046	44165	242798
18-34 Yrs	86479	29154	149432	95613	89090	449768
35-60 Yrs	122363	34069	171370	81045	81124	489971
>60 Yrs	67760	20906	69859	43269	40698	242492
<b>Total</b>	356549	101373	535466	259861	272837	1526086

\*Data according to the U.S. Census Bureau

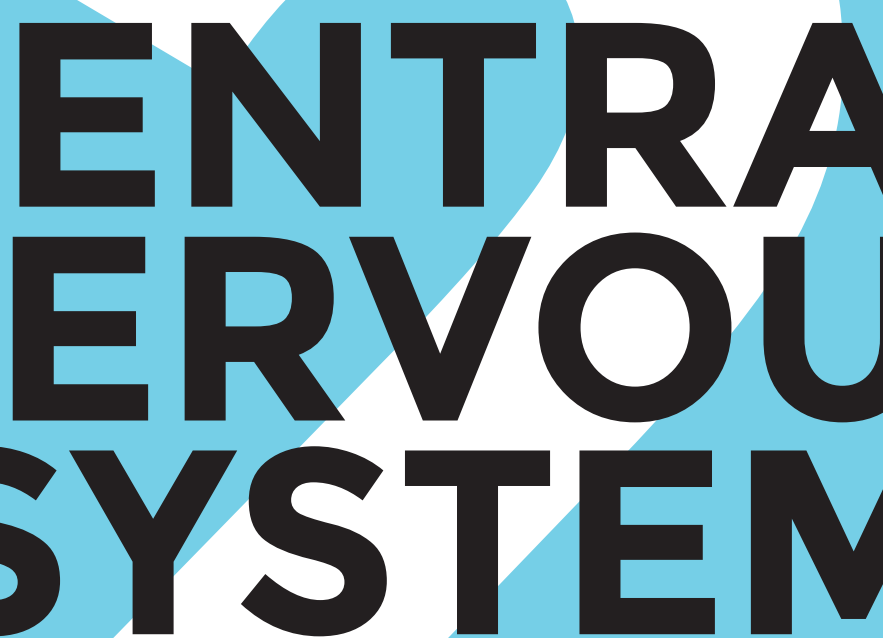
# REGIONAL OVERVIEW (Cont.)

Counts of Disease With Sufficient Burden:  
Philadelphia, 2013

	NE	NW	N	CC/S	W/SW	Total <sup>*</sup>
	n	n	n	n	n	n
<b>Disease</b>						
<b>Campylobacteriosis</b>	18	7	23	37	18	103
<b>Chlamydia</b>	1756	633	9953	2175	5009	19526 <sup>*</sup>
<b>Cryptosporidiosis</b>	10	<6	20	<10	19	58
<b>Giardiasis</b>	8	6	19	29	14	76
<b>Gonorrhea</b>	435	166	3190	836	1666	6293 <sup>†</sup>
<b>Hepatitis B, Chronic</b>	121	6	144	155	80	506
<b>Hepatitis C, Chronic (RNA only)</b>	351	90	741	337	242	1761 <sup>§</sup>
<b>Influenza (Hospitalized)</b>	79	32	259	167	246	783 <sup>**</sup>
<b>Lyme Disease</b>	69	36	39	31	14	189
<b>Meningitis, Aseptic</b>	26	<6	79	<6	10	124
<b>Pertussis</b>	13	14	20	22	17	86
<b>Salmonellosis</b>	55	13	92	52	72	284
<b>Shigellosis</b>	<10	<6	23	19	14	66
<b>Strep Pneumoniae</b>	32	6	54	19	38	149
<b>Syphilis-Early Latent</b>	26	10	134	86	74	330 <sup>†</sup>
<b>Syphilis-Primary &amp; Secondary</b>	17	9	109	75	68	278
<b>Tuberculosis</b>	19	22	8	19	21	89
<b>Varicella-zoster</b>	67	20	101	61	62	311 <sup>***</sup>

<sup>\*</sup> 44 missing  
<sup>†</sup> 10 missing  
<sup>§</sup> 143 missing  
<sup>\*\*</sup> 8 missing  
<sup>†</sup> 2 missing  
<sup>\*\*\*</sup> 1 missing



A stylized graphic of a brain, composed of a large white semi-circle at the top and a white rectangle at the bottom, set against a light blue background. The text is overlaid on this graphic.

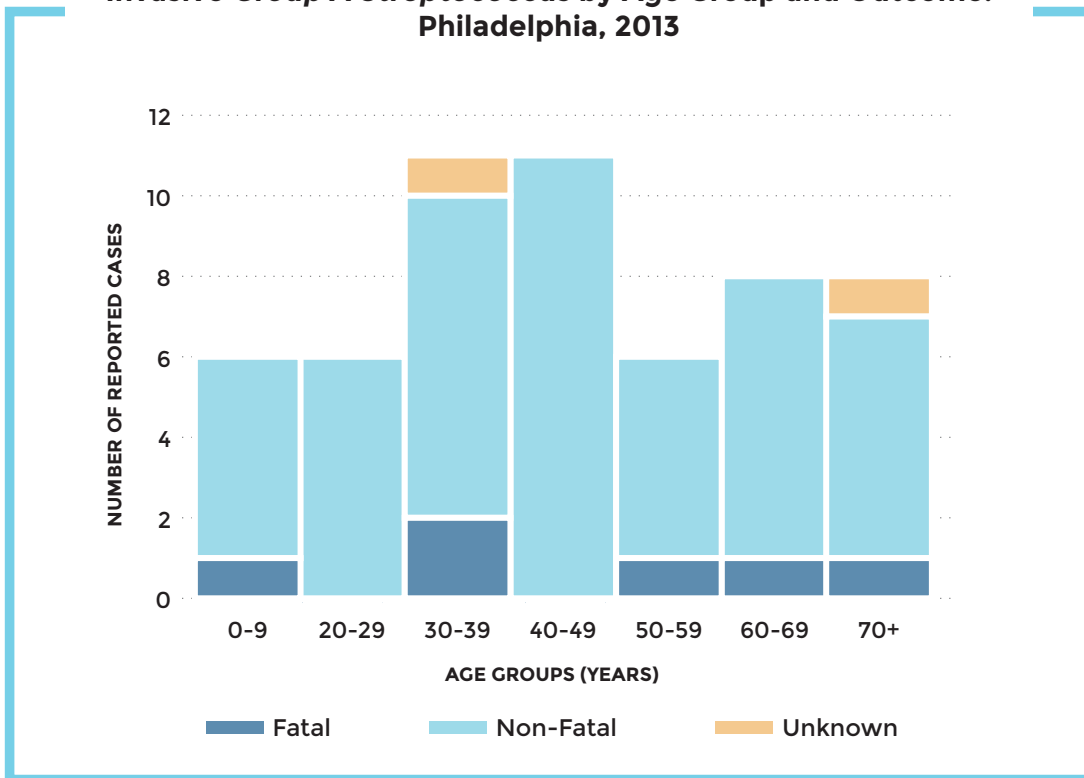
# CENTRAL NERVOUS SYSTEM

INFECTIONS AND SEPSIS

*GROUP A STREPTOCOCCUS*  
*HAEMOPHILUS INFLUENZAE*  
LISTERIOSIS  
MENINGITIS, ASEPTIC  
*STREPTOCOCCUS PNEUMONIAE*

# GROUP A STREPTOCOCCUS

**Invasive Group A Streptococcus by Age Group and Outcome: Philadelphia, 2013**

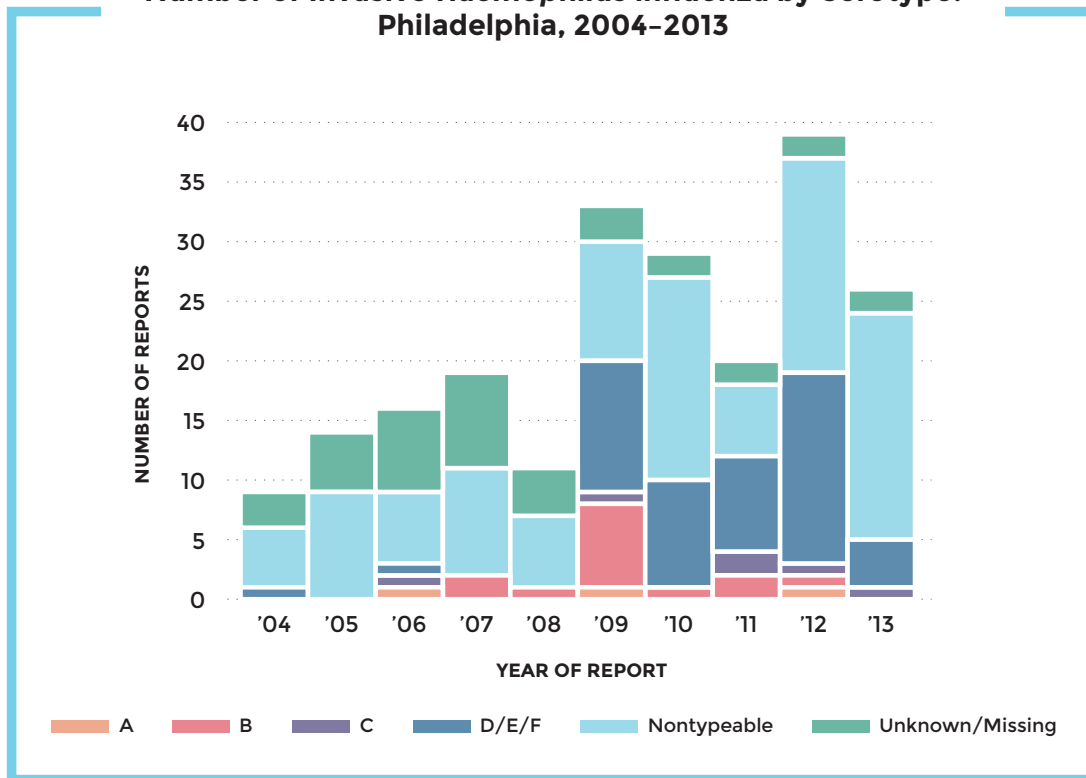


**Number of Group A Streptococcus Reports by Age: Philadelphia, 2013**

	0-14 Years		15-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%
<b>Total</b>	6	10.7	34	60.7	16	28.6	56	35.7

# HAEMOPHILUS INFLUENZAE

**Number of Invasive *Haemophilus influenzae* by Serotype: Philadelphia, 2004–2013**

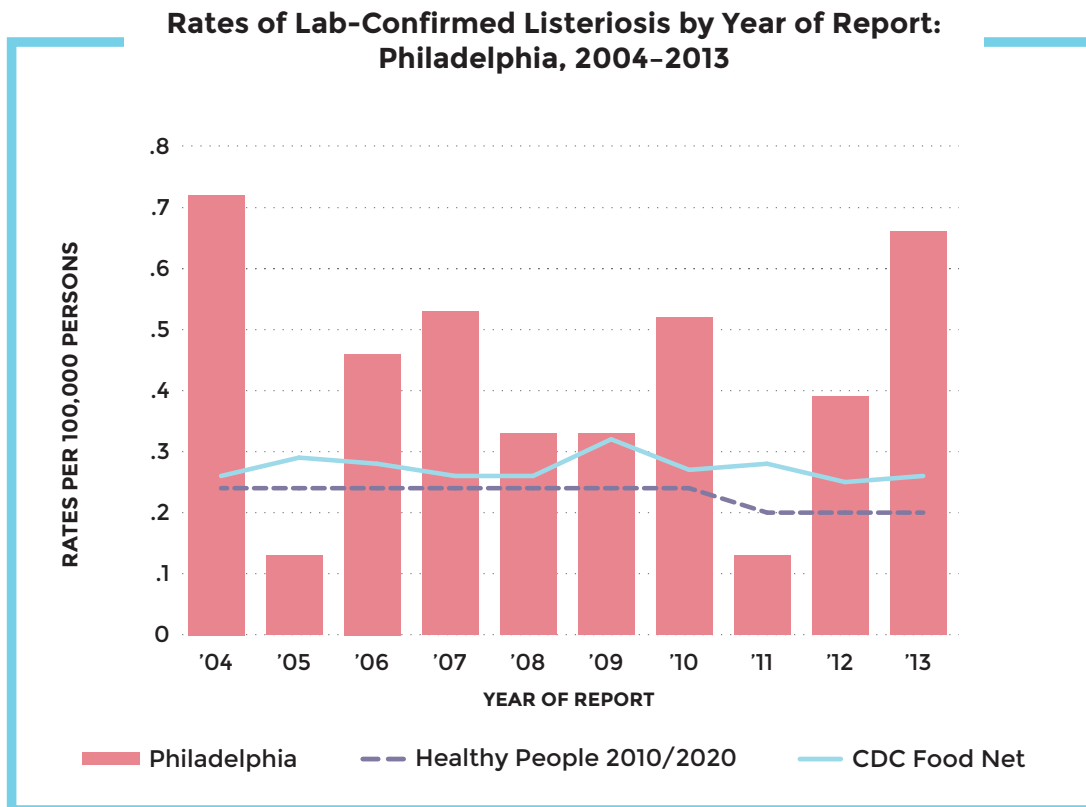


**Invasive *Haemophilus influenzae* by Age: Philadelphia, 2013**

	0-29 Years		30-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%
Total	7	26.9	8	30.8	11	42.3	26	100

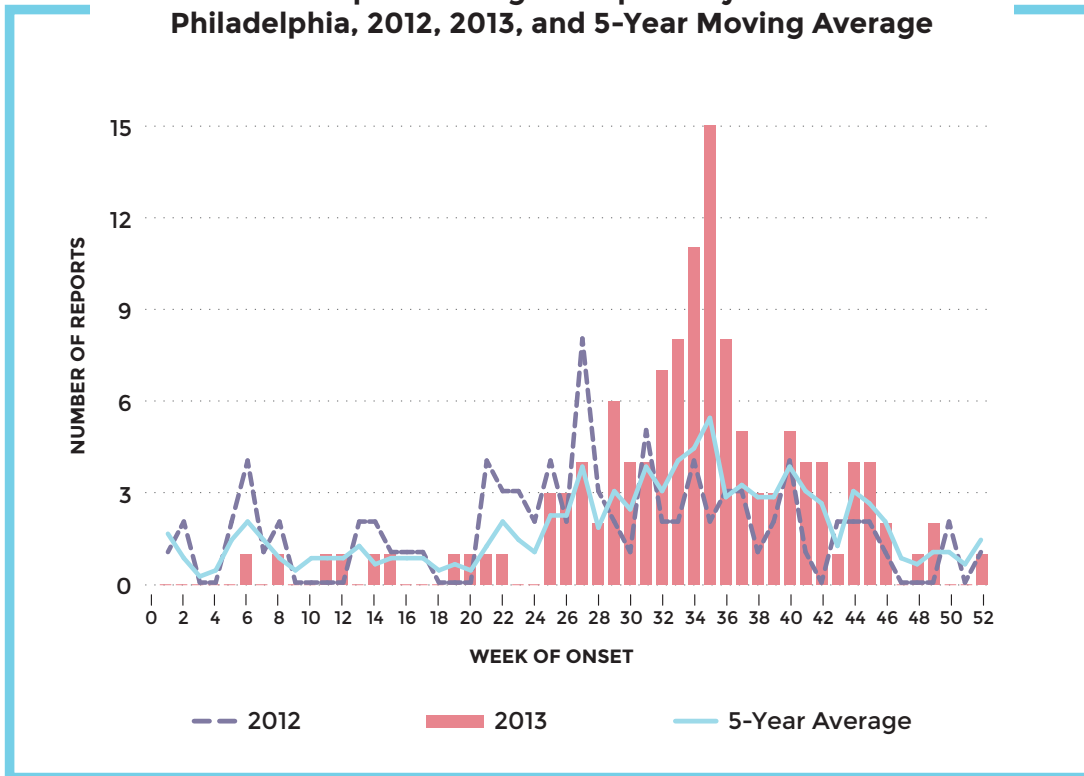
# LISTERIOSIS

(*Listeria monocytogenes*)



# MENINGITIS, ASEPTIC

**Number of Aseptic Meningitis Reports by Week of Onset: Philadelphia, 2012, 2013, and 5-Year Moving Average**

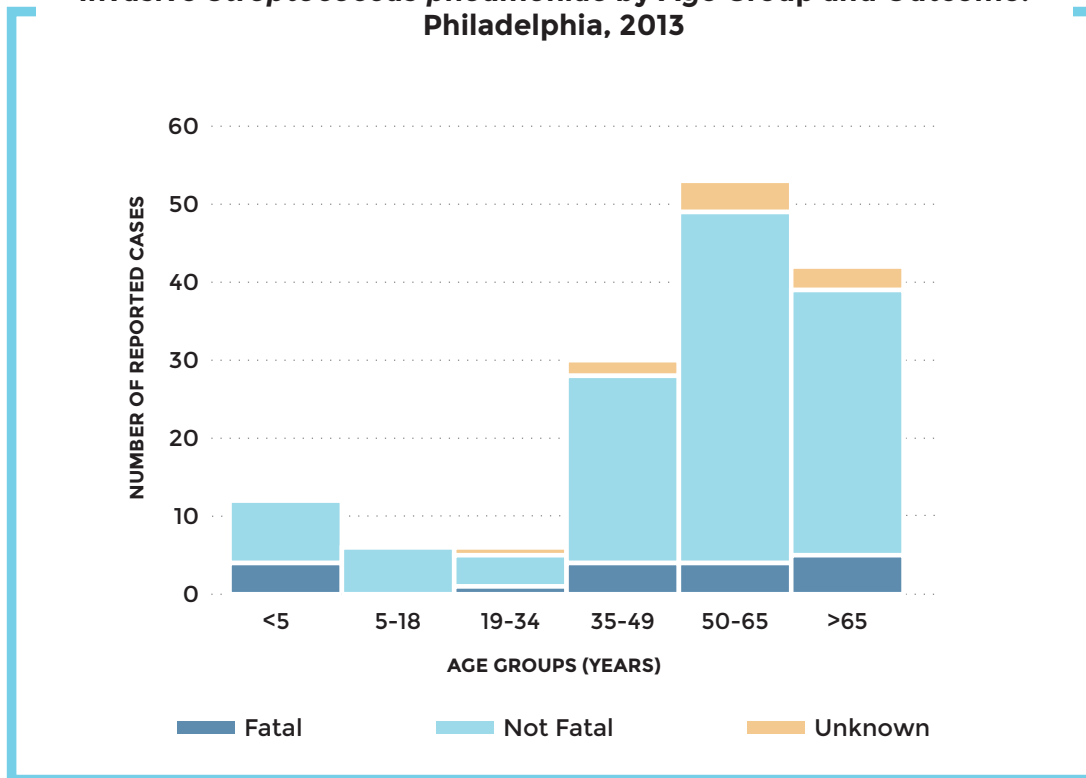


**Number of Aseptic Meningitis Reports by Age and Gender: Philadelphia, 2013**

	0-4 Years		5-17 Years		18-45 Years		46+ Years		Total	
	n	%	n	%	n	%	n	%	n	%
Male	11	8.9	35	28.2	19	15.3	14	11.3	79	63.7
Female	14	11.3	13	10.5	9	7.3	9	7.3	45	36.3
Total	25	20.2	48	38.7	28	22.6	23	18.5	124	100

# STREPTOCOCCUS PNEUMONIAE

**Invasive *Streptococcus pneumoniae* by Age Group and Outcome: Philadelphia, 2013**



**Number of Invasive *Streptococcus pneumoniae* by Age and Gender: Philadelphia, 2013**

	0-17 Years		18-44 Years		45-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	8	5.4	6	4	34	22.8	21	14.1	69	46.3
<b>Female</b>	10	6.7	9	6	27	18.1	34	22.8	80	53.7
<b>Total</b>	18	12.1	15	10.1	61	40.9	55	36.9	149	100

**Note:** Of those cases less than 5 years of age (n=12): 6 cases were up-to-date for their Pneumococcal vaccine, 3 were not, 1 was too young for 1st dose, and 1 had unknown vaccination status. Of the 4 fatalities, none with known symptoms. All children were found deceased prior to care or hospitalization and their specimens were not typed. Serotypes of the surviving cases were 7C, 13, 15B(n=2), 23B, 33F(n=2), and 38.



# **GASTRO- INTESTINAL**

## **INFECTIONS**

OVERVIEW  
CAMPYLOBACTERIOSIS  
CRYPTOSPORIDIOSIS  
GIARDIASIS  
SALMONELLOSIS  
SHIGELLOSIS

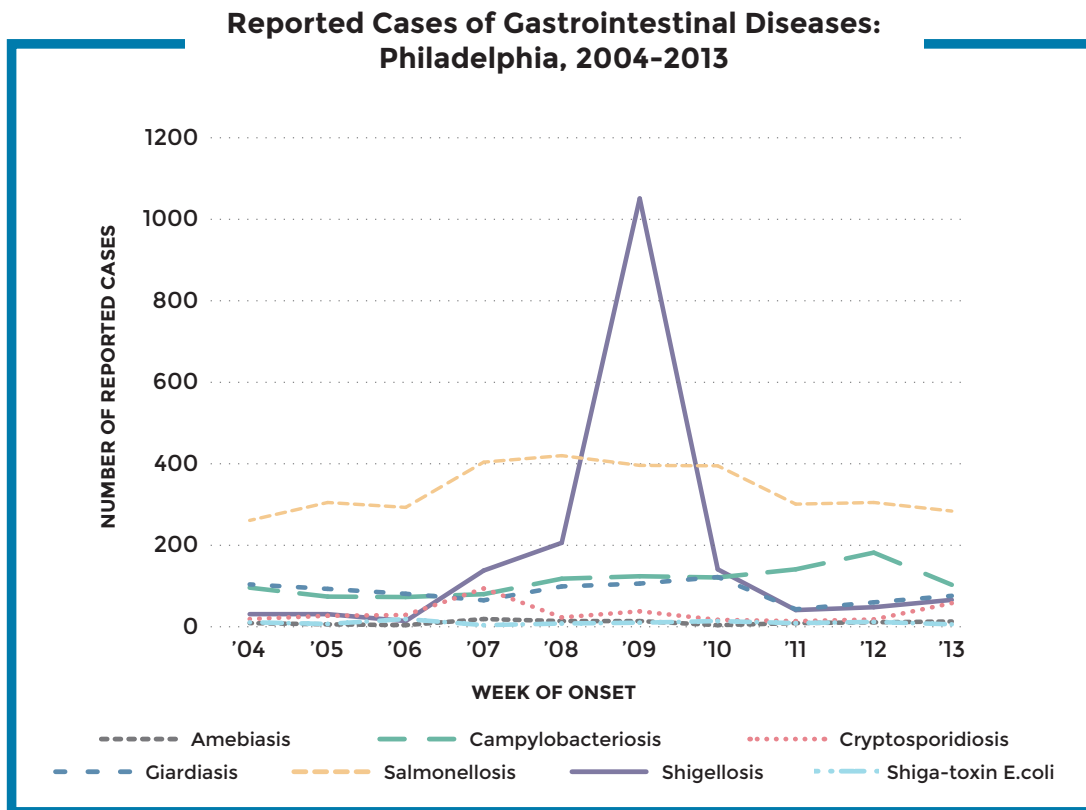
# OVERVIEW

**Antibiotic Resistance of Selected Enteric Pathogens:  
Philadelphia 2013**

Pathogen	Antibiotics Tested	Total Tested	Resistant		Intermediate	
			n	%	n	%
Campylobacter	Ciprofloxacin	24	10	42	0	0
	Erythromycin	18	1	6	0	0
	Trimethoprim-Sulfamethoxazole	3	0	0	0	0
Salmonella	Ampicillin	237	28	12	0	0
	Ceftriaxone	72	6	8	1	1
	Ciprofloxacin	202	2	1	0	0
	Gentamicin	16	14	88	0	0
	Trimethoprim-Sulfamethoxazole	227	3	1	0	0
Shigella	Ampicillin	50	39	78	0	0
	Ceftriaxone	20	0	0	0	0
	Ciprofloxacin	43	1	2	0	0
	Trimethoprim-Sulfamethoxazole	52	35	67	0	0



# OVERVIEW (Cont.)



## OF NOTE

### Food Poisoning

**One large event, a corporate banquet luncheon with 60 attendees in March 2013, was investigated as a potential foodborne outbreak (diarrhea, vomiting, and abdominal cramps occurring 1-2 days after the luncheon). No pathogen was identified, and no food item or vehicle was implicated as the source of illness.**

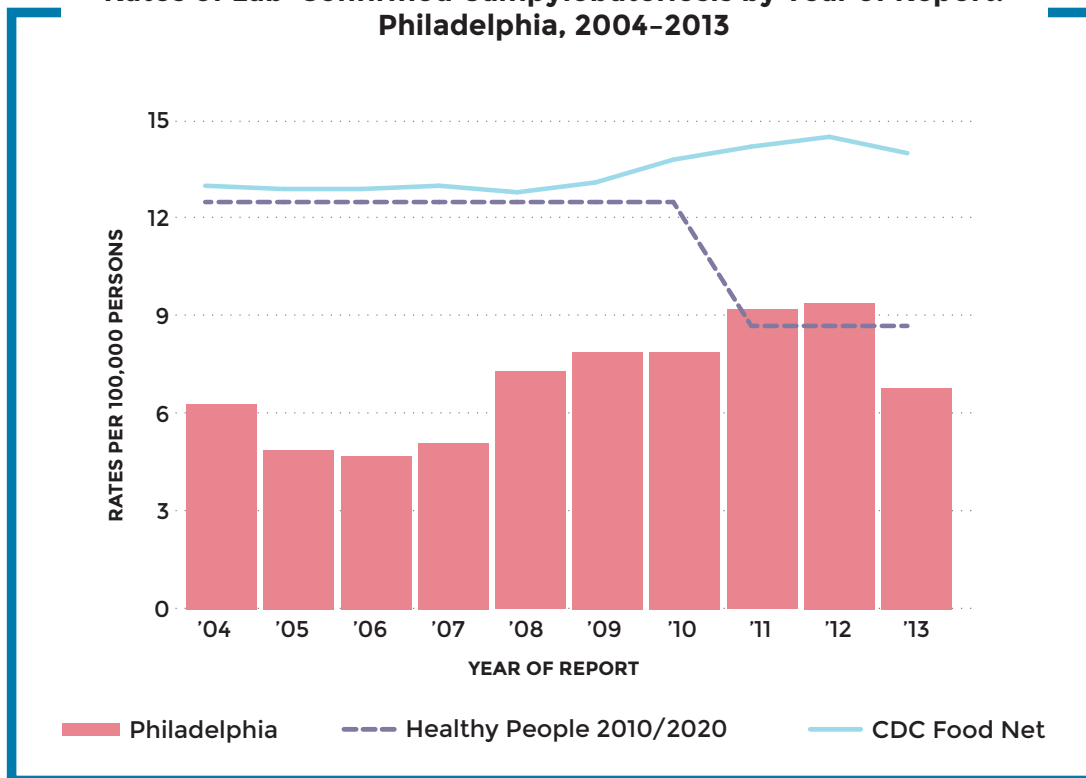
### Norovirus Outbreaks

**For the 2012-2013 norovirus season, 17 norovirus outbreaks in institutional settings (15 long term care facilities and 2 hospital wings) were investigated.**

# CAMPYLOBACTERIOSIS

(*Campylobacter spp.*)

Rates of Lab-Confirmed Campylobacteriosis by Year of Report: Philadelphia, 2004–2013



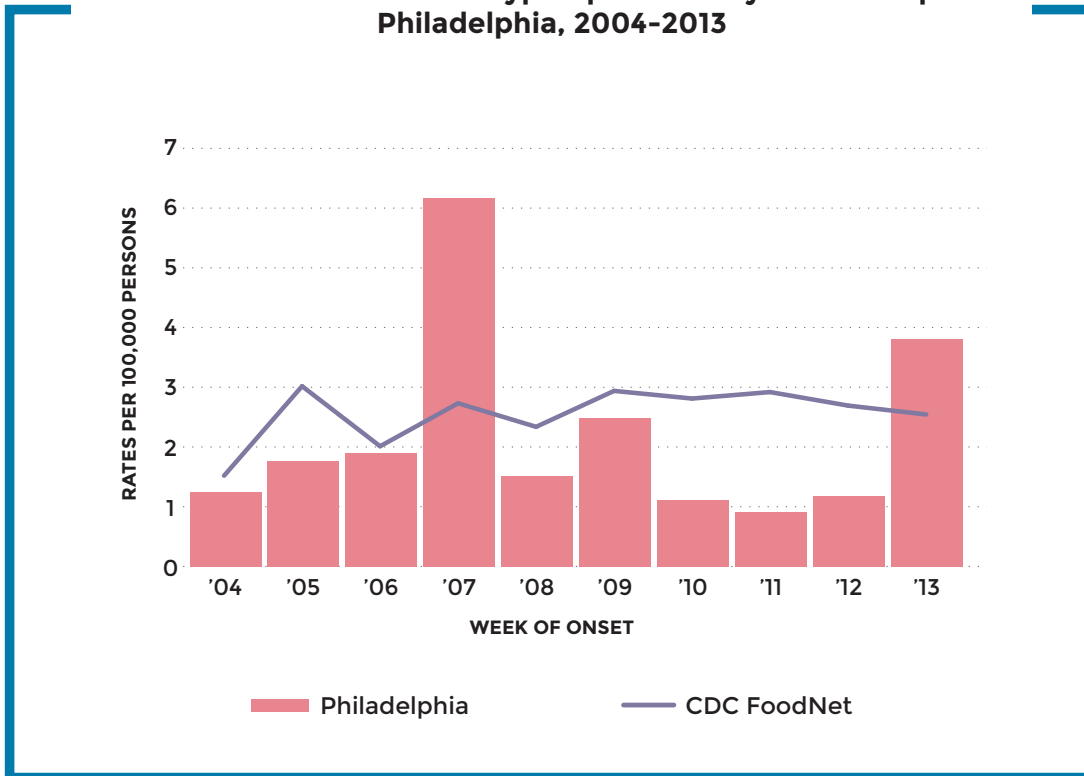
Number of Campylobacteriosis Reports by Age and Gender: Philadelphia, 2013

	0-14 Years		15-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%
Male	10	9.7	34	33	6	5.8	50	48.5
Female	10	9.7	31	30.1	12	11.7	53	51.5
Total	20	19.4	65	63.1	18	17.5	103	100

# CRYPTOSPORIDIOSIS

(*Cryptosporidium* spp.)

Rates of Lab-Confirmed Cryptosporidiosis by Year of Report:  
Philadelphia, 2004-2013



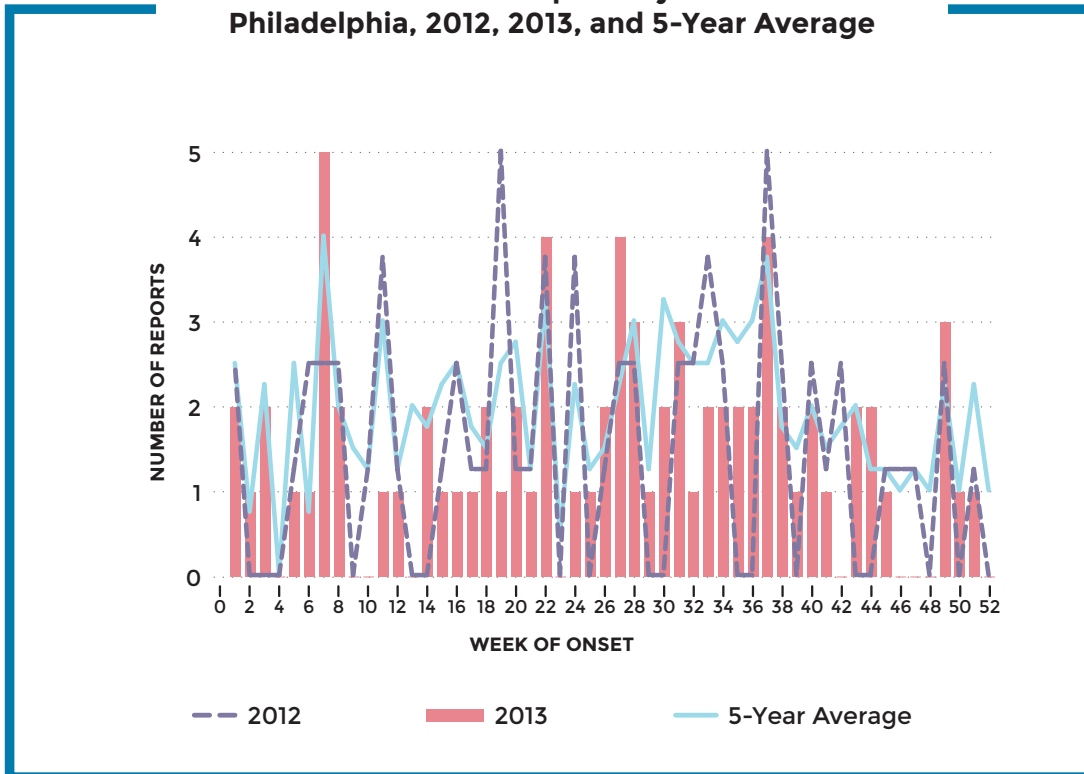
Number of Cryptosporidiosis Reports by Age and Gender:  
Philadelphia, 2013

	0-9 Years		10-25 Years		26+ Years		Total	
	n	%	n	%	n	%	n	%
Male	8	13.8	7	12.1	24	41.4	39	67.2
Female	6	10.3	6	10.3	7	12.1	19	32.8
Total	14	24.1	13	22.4	31	53.4	58	100

# GIARDIASIS

(*Giardia lamblia*)

**Number of Giardiasis Reports by Week of Onset:  
Philadelphia, 2012, 2013, and 5-Year Average**

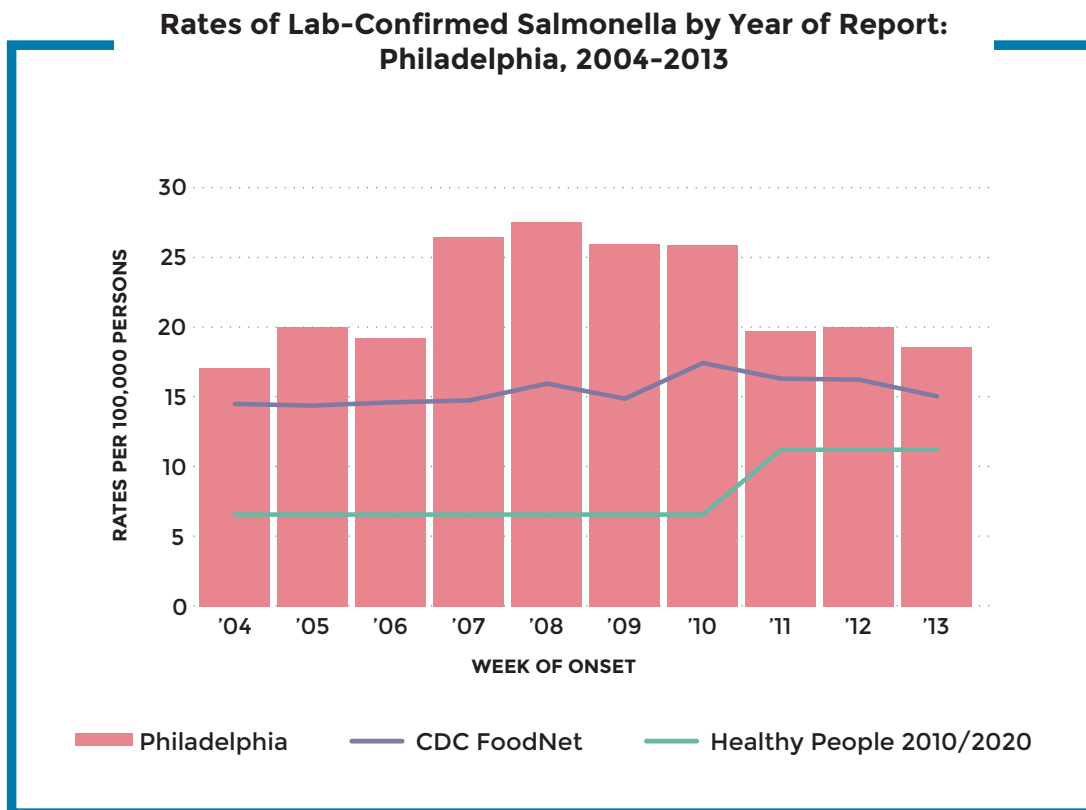


**Number of Giardiasis Reports by Age and Gender:  
Philadelphia, 2013**

	0-21 Years		22+ Years		Total	
	n	%	n	%	n	%
<b>Male</b>	6	7.9	53	69.7	59	77.6
<b>Female</b>	8	10.5	9	11.8	17	22.4
<b>Total</b>	14	18.4	62	81.6	76	100

# SALMONELLOSIS

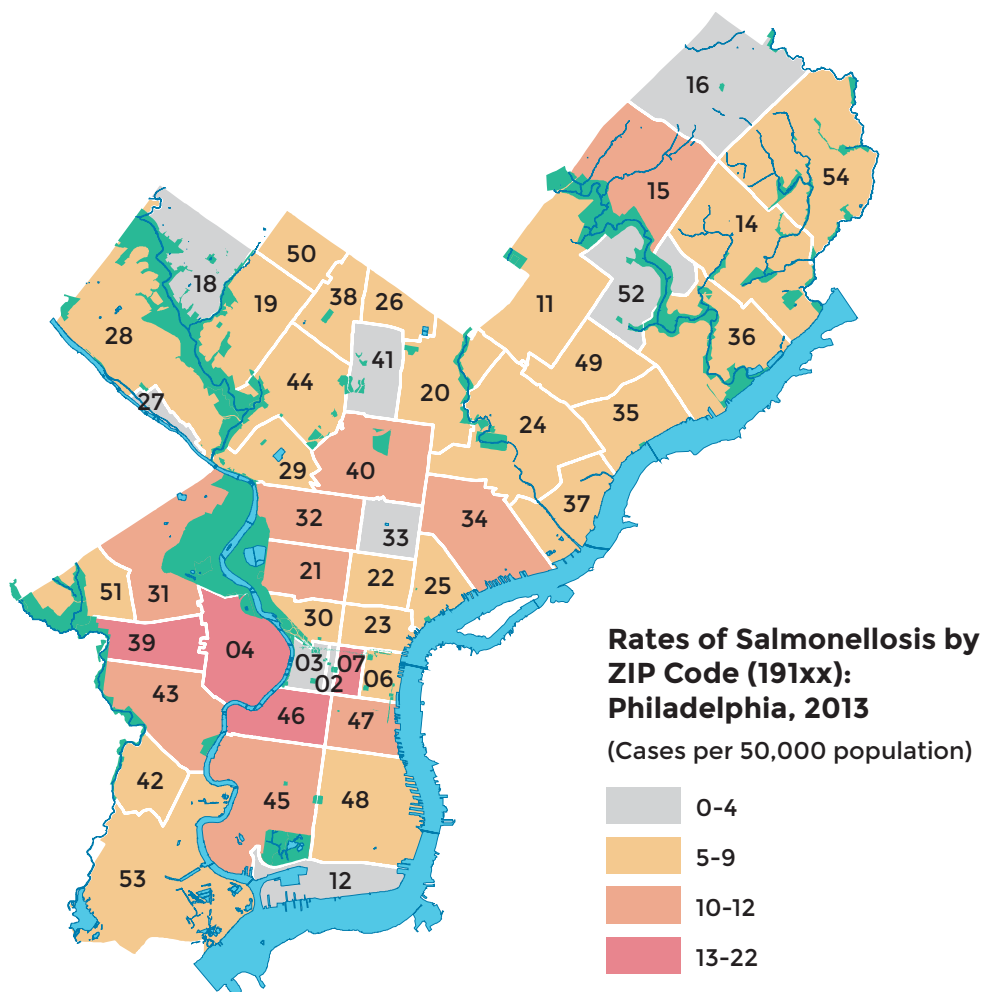
(*Salmonella* spp.)



**Number of Salmonellosis Reports by Age and Gender:  
Philadelphia, 2013**

	0-4 Years		5-17 Years		18-34 Years		35-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	40	14.1	18	6.3	46	16.2	27	9.5	15	5.3	146	51.4
<b>Female</b>	30	10.6	15	5.3	45	15.8	32	11.3	16	5.6	138	48.6
<b>Total</b>	70	24.6	33	11.6	91	32	59	20.8	31	10.9	284	100

# SALMONELLOSIS (Cont.)

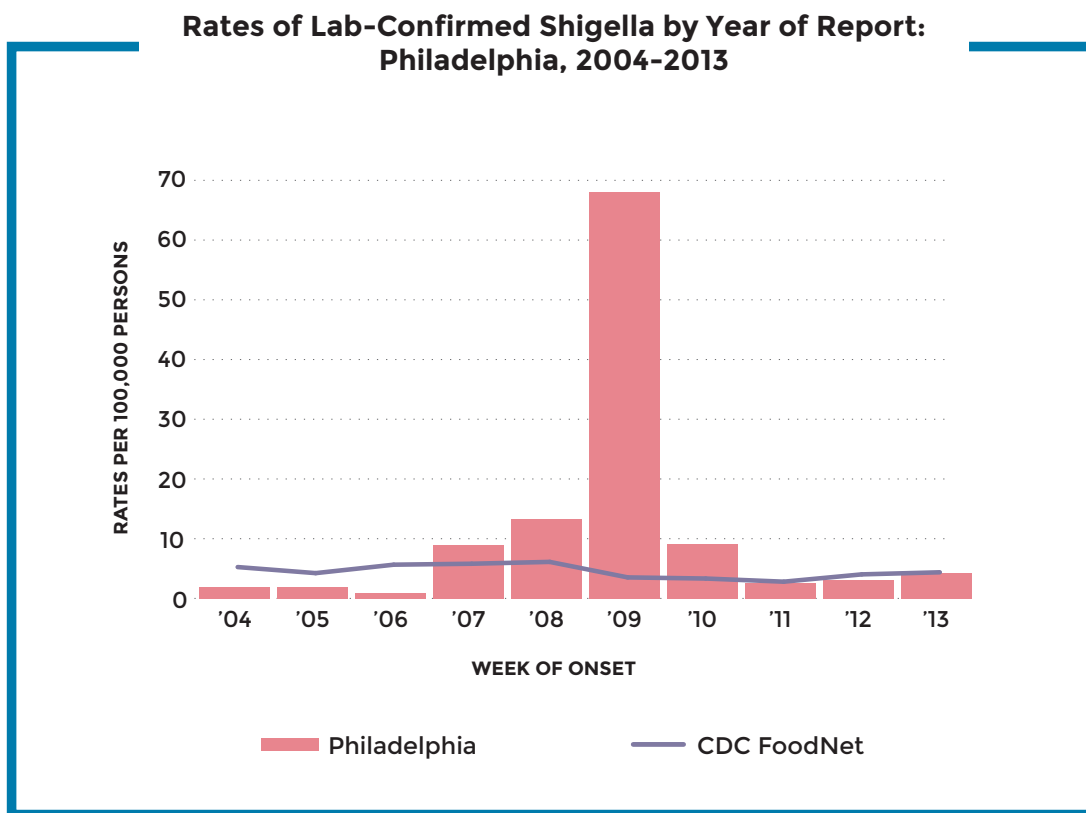


## OF NOTE

From August-September 2013, 17 *Salmonella* cases were linked to a Philadelphia restaurant, which catered several events for a local university. Food and environmental samples were taken during inspections but no source was implicated.

# SHIGELLOSIS

(*Shigella spp.*)



**Number of Shigellosis Reports by Age and Gender: Philadelphia, 2013**

	0-14 Years		15+ Years		Total	
	n	%	n	%	n	%
Male	8	12.1	37	56.1	45	68.2
Female	12	18.2	9	13.6	21	31.8
Total	20	30.3	46	69.7	66	100



# RESPIRATORY

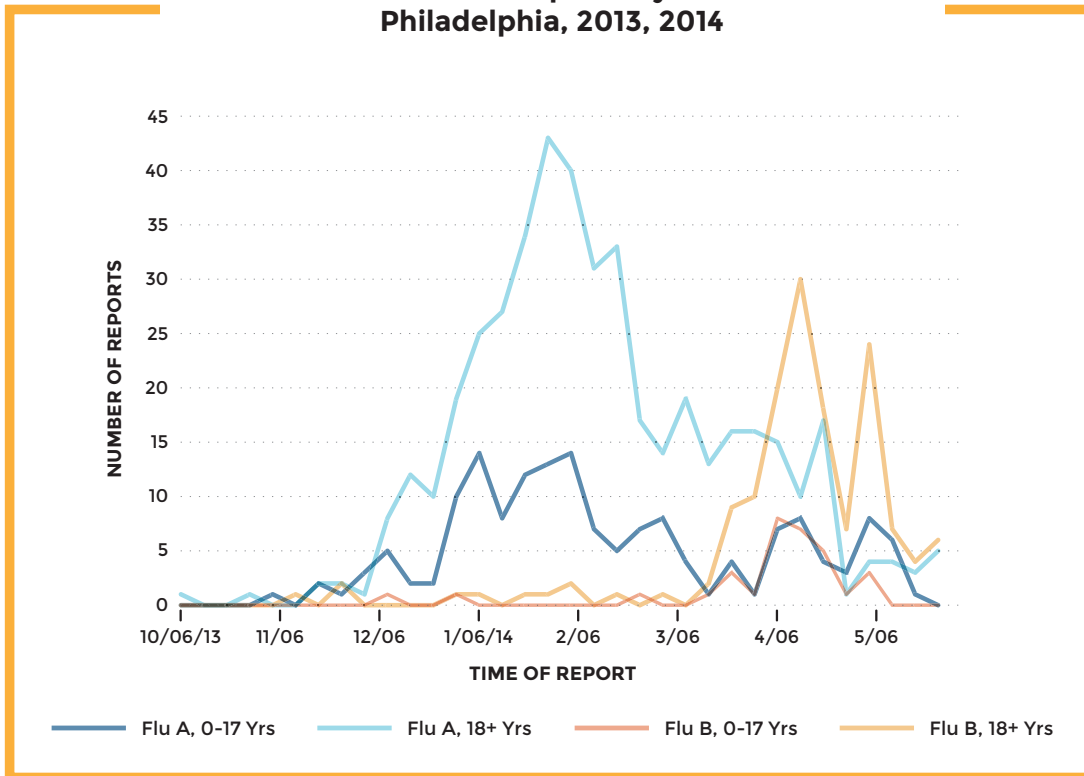
INFECTIONS

INFLUENZA  
LEGIONELLOSIS  
TUBERCULOSIS



# INFLUENZA

**Number of Influenza Reports by Week of Onset:  
Philadelphia, 2013, 2014**



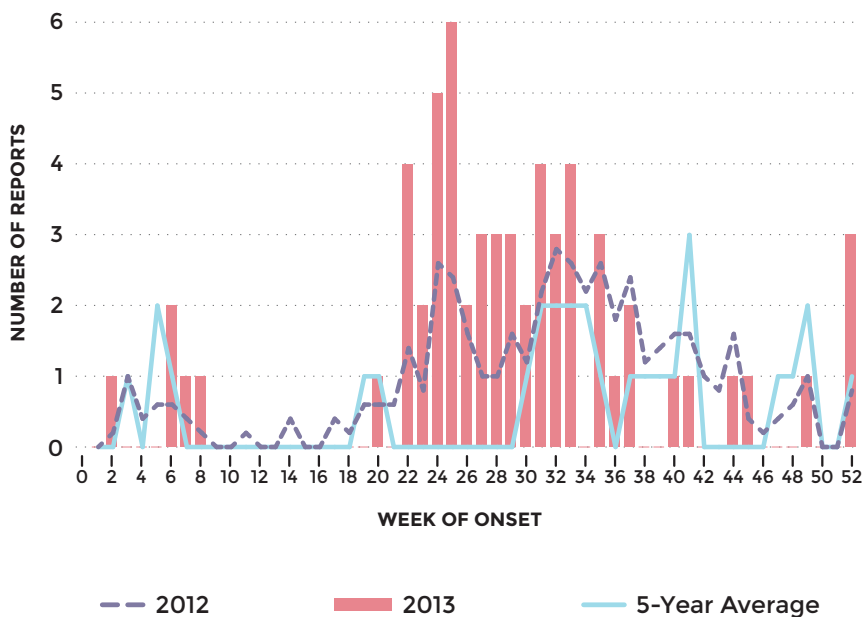
**Number of Influenza Reports by Age and Region:  
Philadelphia, 2013**

	NE		NW		N		CC		S		W/SW		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Age</b>														
0-4 Yrs	25	3.2	<5		73	9.3	<5		<15		21	2.7	136	17.4
5-17 Yrs	9	1.1	<5		33	4.2	<5		<5		9	1.1	58	7.4
18-44 Yrs	22	2.8	6	0.8	63	8	7	0.9	31	4	68	8.7	197	25.2
45-64 Yrs	14	1.8	9	1.1	55	7	6	0.8	39	5	74	9.5	197	25.2
65+ Yrs	9	1.1	14	1.8	35	4.5	21	2.7	42	5.4	74	9.5	195	24.9
<b>Total</b>	79	10.1	32	4.1	259	33.1	37	4.7	130	16.6	246	31.4	783	100

# LEGIONELLOSIS

(*Legionella pneumophila*)

**Number of Legionellosis Reports by Week of Onset:  
Philadelphia, 2012, 2013, and 5-Year Average**

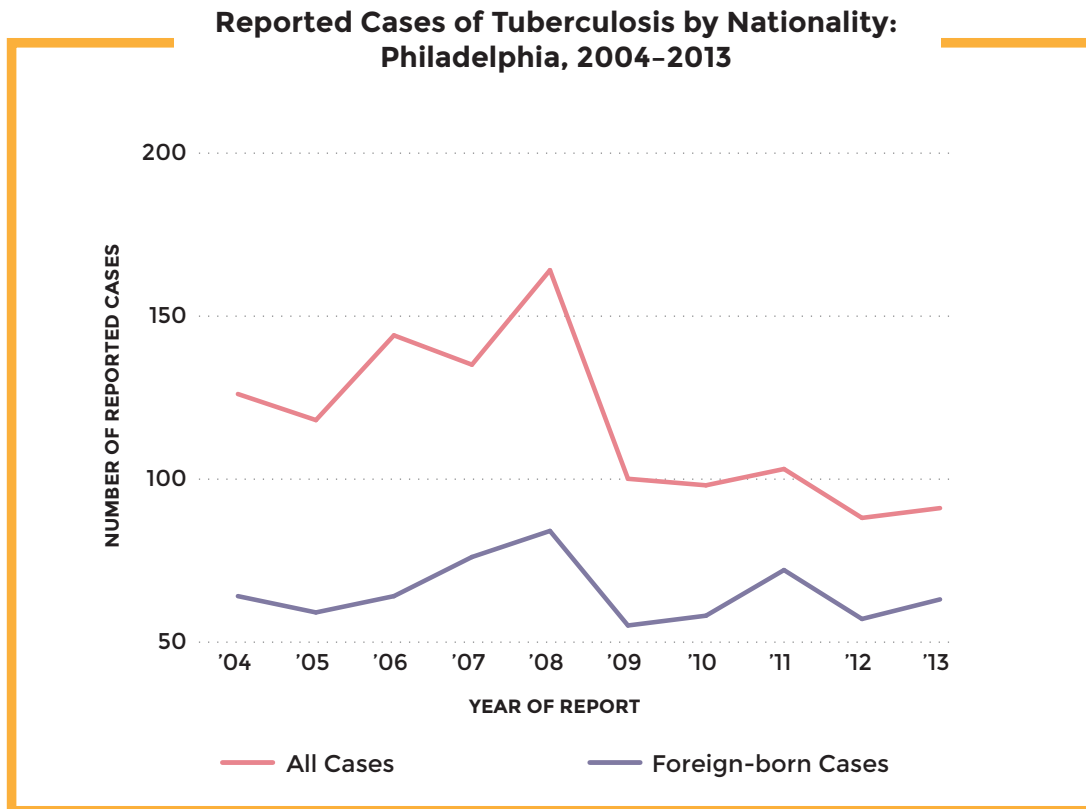


**Number of Legionellosis Reports by Age and Gender:  
Philadelphia, 2013**

	0-60 Years		61+ Years		Total	
	n	%	n	%	n	%
Male	26	42.6	20	32.8	46	75.4
Female	6	9.8	9	14.8	15	24.6
Total	32	52.5	29	47.5	61	100

# TUBERCULOSIS

(*Mycobacterium tuberculosis*)



**Number of Tuberculosis Reports by Age:  
Philadelphia, 2013**

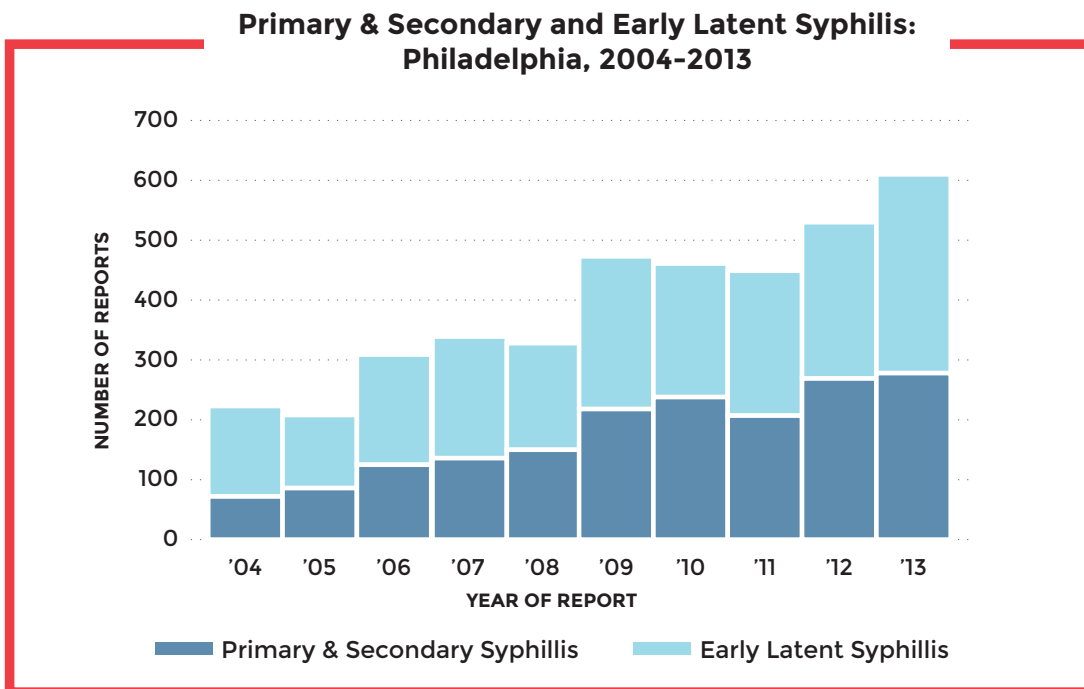
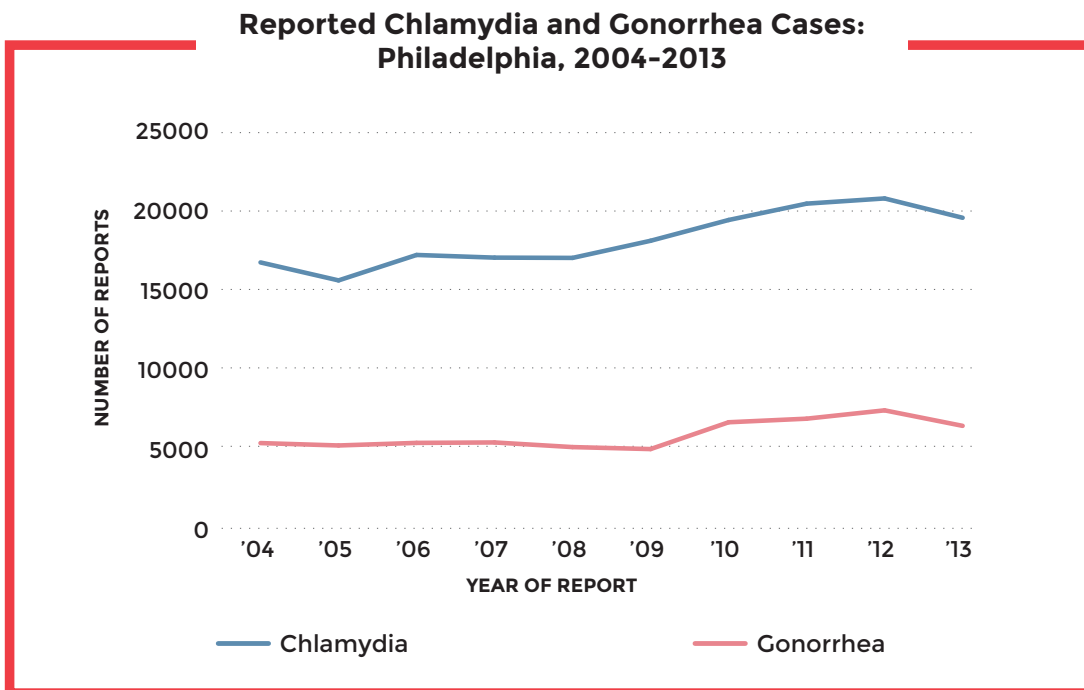
	0-17 Years		18-44 Years		45+ Years		Total	
	n	%	n	%	n	%	n	%
Total	8	9	36	40.4	45	50.6	89	100



# SEXUALLY TRANSMITTED DISEASES

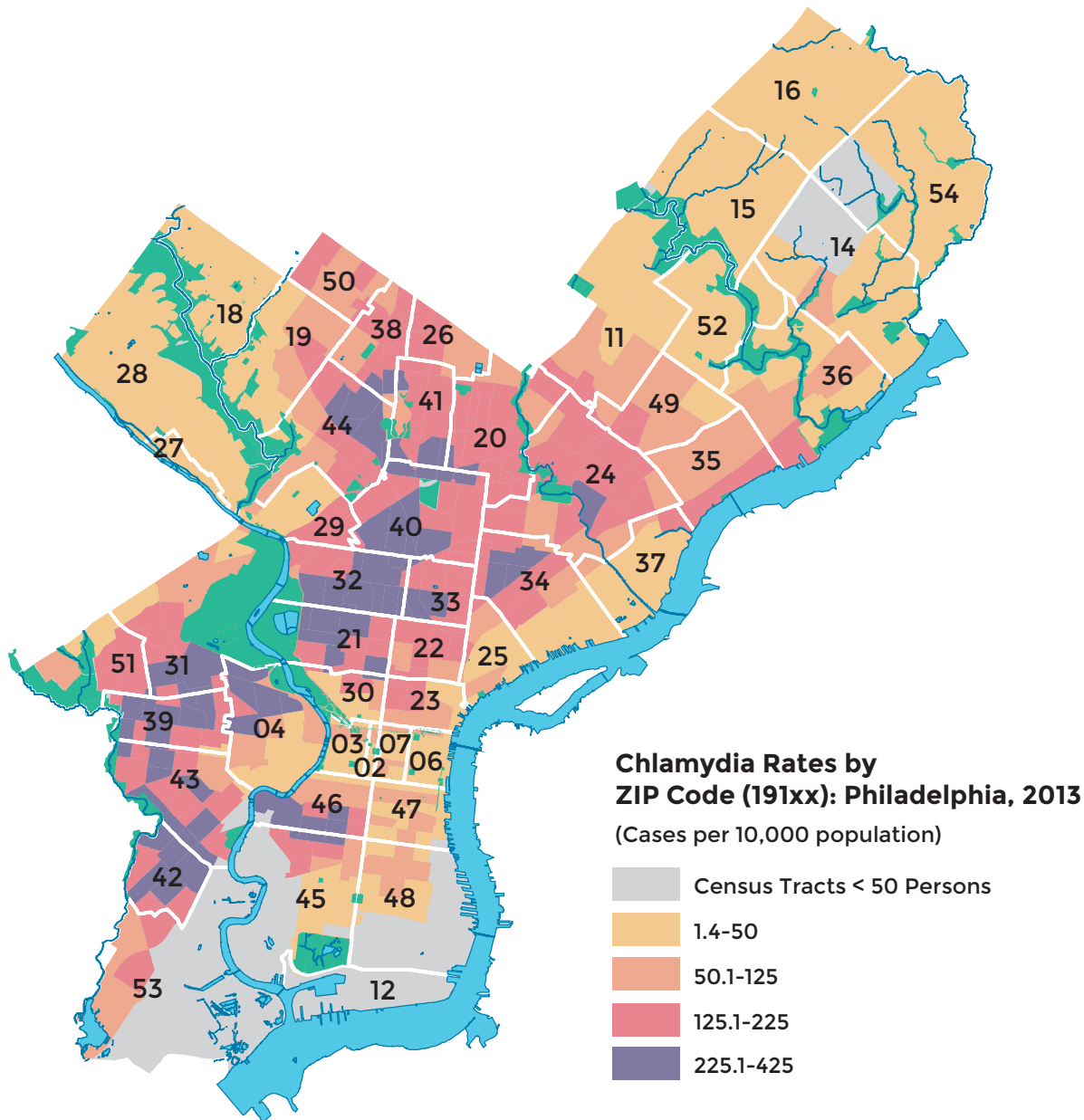
OVERVIEW  
CHLAMYDIA  
GONORRHEA  
SYPHILIS-PRIMARY & SECONDARY  
SYPHILIS-LATENT

# OVERVIEW

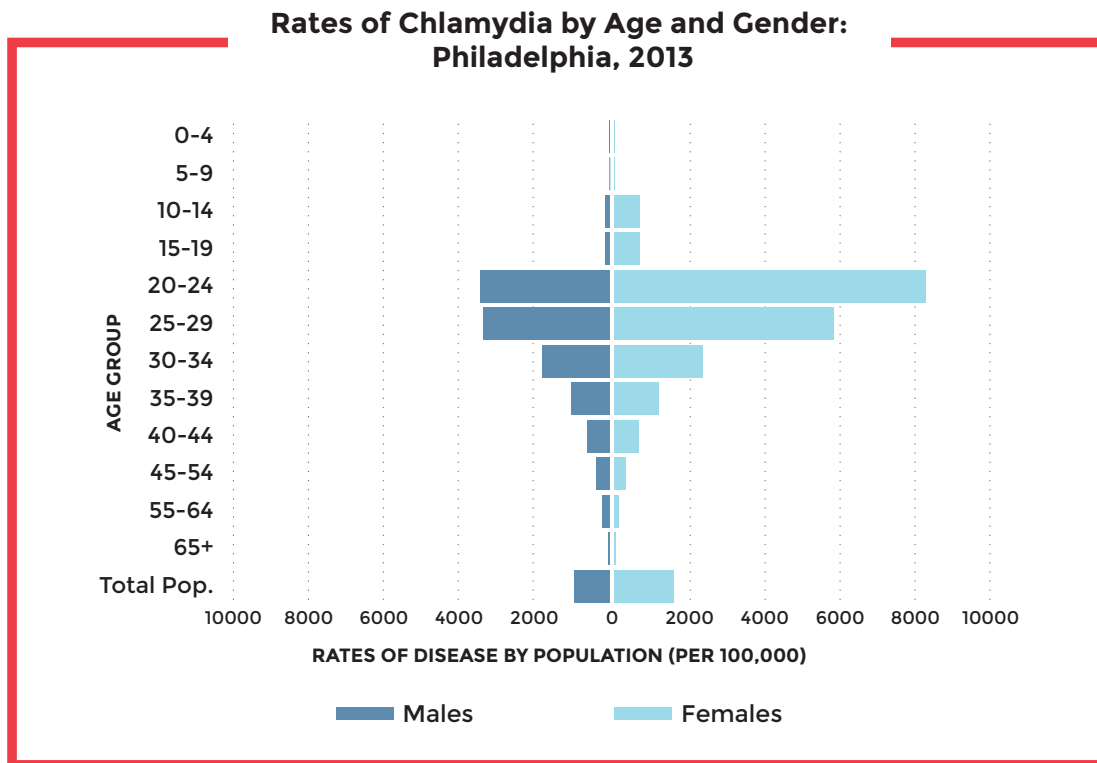


# CHLAMYDIA

(*Chlamydia trachomatis*)



# CHLAMYDIA (Cont.)



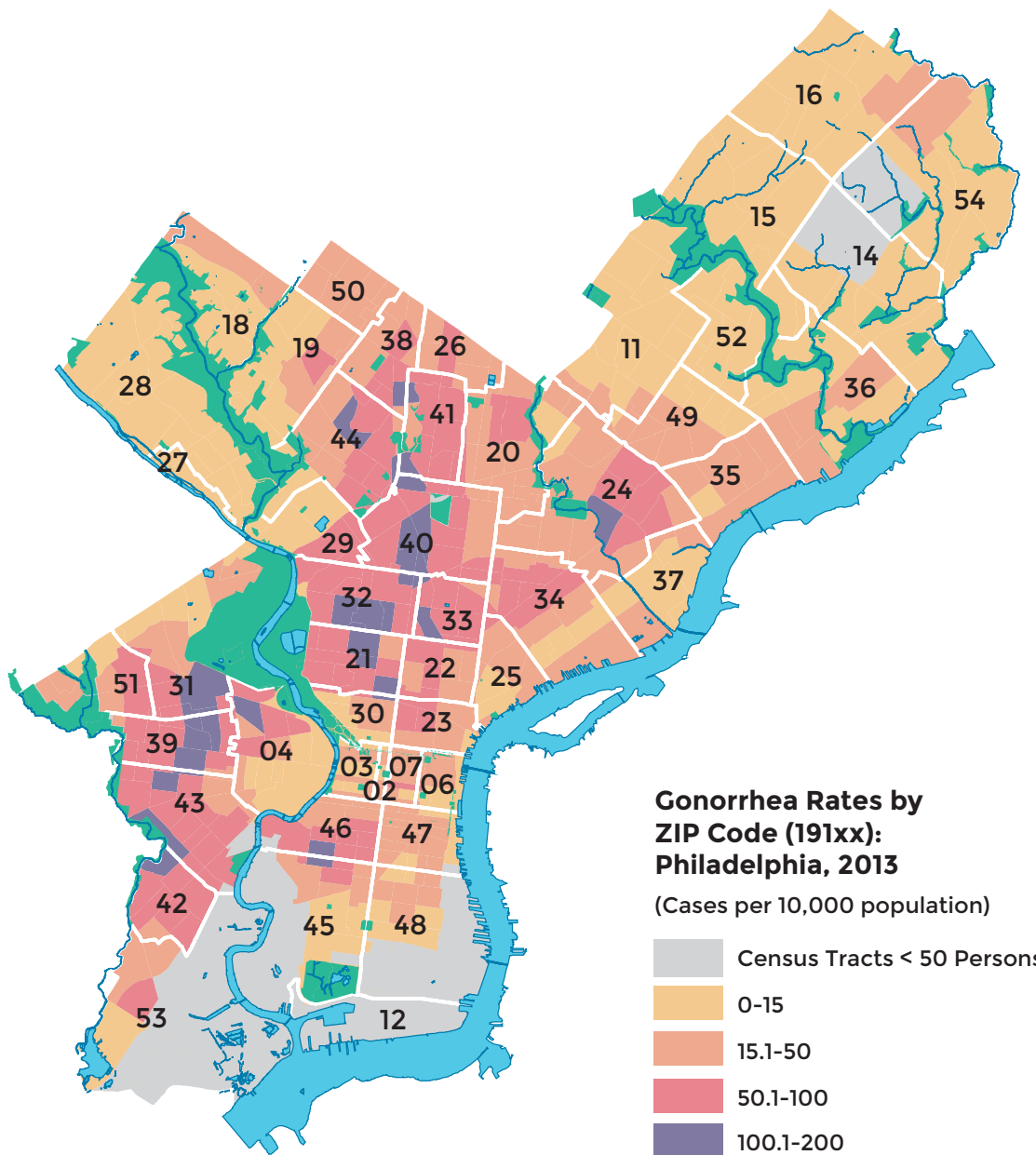
**Number of Chlamydia Reports by Age, Gender, and Region:  
Philadelphia, 2013**

	NE		NW		N		CC		S		W/SW		Total*	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>														
0-14 Yrs	<6		<6		36	0	<6		<6		14	0	62	0
15-19 Yrs	151	1	55	0	1087	6	44	0	131	1	546	3	2014	10
20-24 Yrs	194	1	81	0	1211	6	79	0	208	1	621	3	2394	12
25-34 Yrs	148	1	58	0	747	4	96	0	210	1	447	2	1706	9
35+ Yrs	58	0	31	0	275	1	44	0	96	0	146	1	650	3
<b>Female</b>														
0-14 Yrs	20	0	9	0	158	1	6	0	15	0	100	1	308	2
15-19 Yrs	443	2	156	1	2636	13	64	0	363	2	1311	7	4973	25
20-24 Yrs	418	2	136	1	2313	12	86	0	332	2	1136	6	4421	23
25-34 Yrs	247	1	83	0	1164	6	103	1	221	1	544	3	2362	12
35+ Yrs	73	0	21	0	326	2	19	0	53	0	144	1	636	3
<b>Grand Total</b>	<b>1756</b>	<b>9</b>	<b>633</b>	<b>3</b>	<b>9953</b>	<b>51</b>	<b>544</b>	<b>3</b>	<b>1631</b>	<b>8</b>	<b>5009</b>	<b>26</b>	<b>19526</b>	<b>100</b>

\*unknown=44

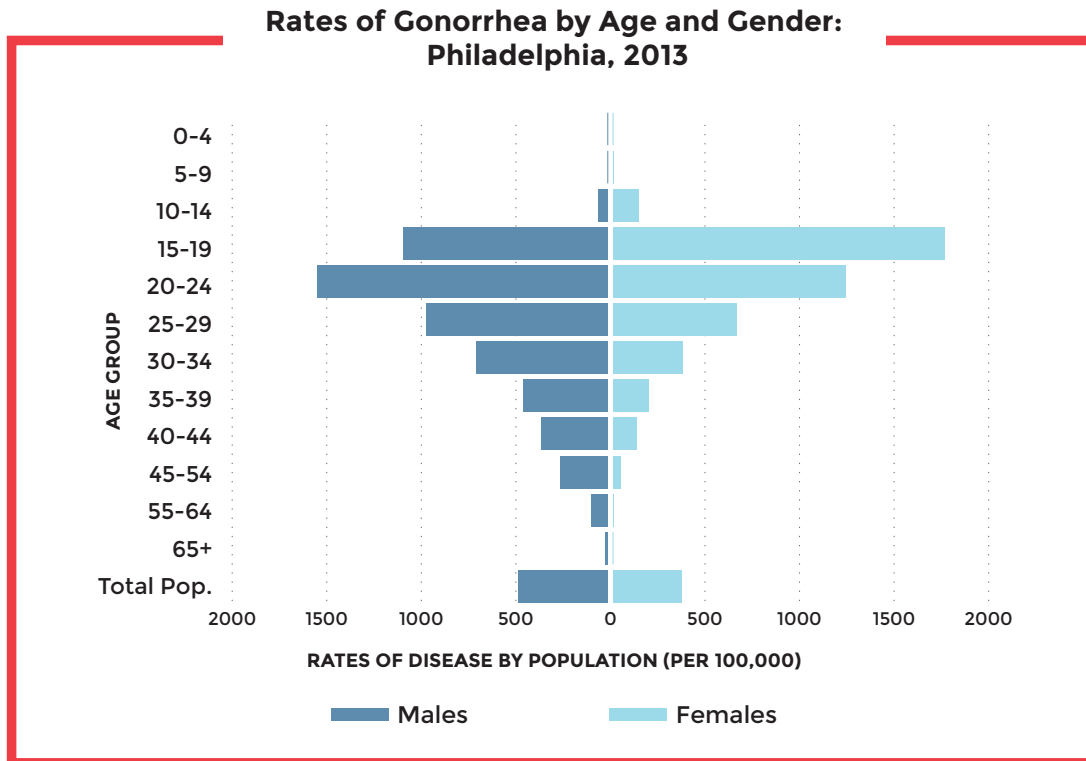
# GONORRHEA

(*Neisseria gonorrhoeae*)





# GONORRHEA (Cont.)



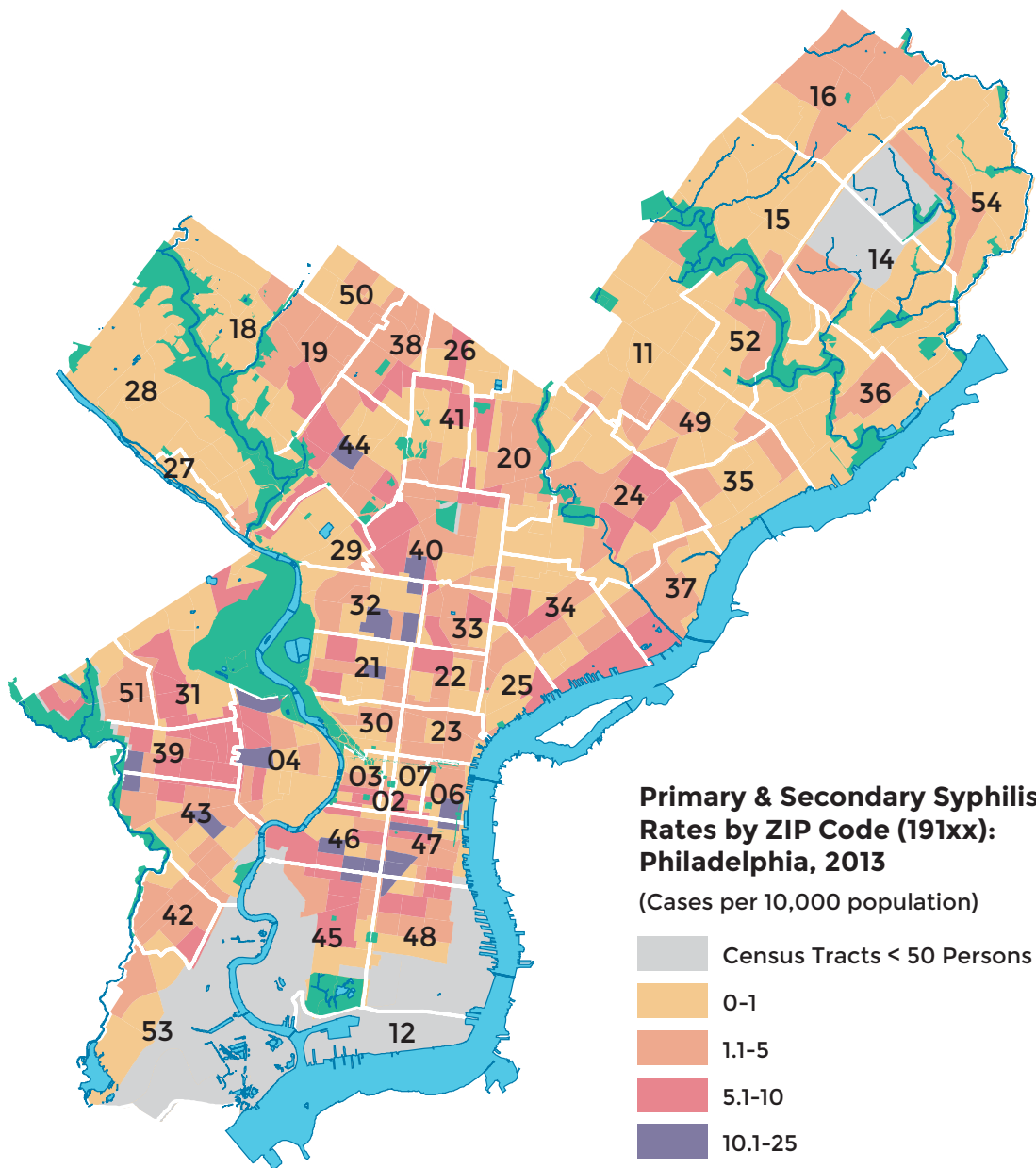
**Number of Gonorrhea Reports by Age, Gender, and Region:  
Philadelphia, 2013**

	NE		NW		N		CC		S		W/SW		Total*	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>														
0-14 Yrs	<6		<6		13	0	<6		<6		8	0	23	0
15-19 Yrs	36	1	21	0	346	5	18	0	47	1	162	3	630	10
20-24 Yrs	70	1	33	1	542	9	49	1	98	2	298	5	1090	17
25-34 Yrs	76	1	26	0	441	7	62	1	147	2	235	4	987	16
35+ Yrs	56	1	24	0	308	5	45	1	89	1	142	2	664	11
<b>Female</b>														
0-14 Yrs	8	0	<6		29	0	<6		6	0	18	0	62	1
15-19 Yrs	62	1	26	0	575	9	15	0	81	1	288	5	1047	17
20-24 Yrs	65	1	20	0	464	7	20	0	57	1	299	5	925	15
25-34 Yrs	50	1	9	0	360	6	21	0	58	1	173	3	671	11
35+ Yrs	12	0	6	0	112	2	<6	0	17	0	43	1	194	3
<b>Grand Total</b>	<b>435</b>	<b>7</b>	<b>166</b>	<b>3</b>	<b>3190</b>	<b>51</b>	<b>235</b>	<b>4</b>	<b>601</b>	<b>10</b>	<b>1666</b>	<b>26</b>	<b>6293</b>	<b>100</b>

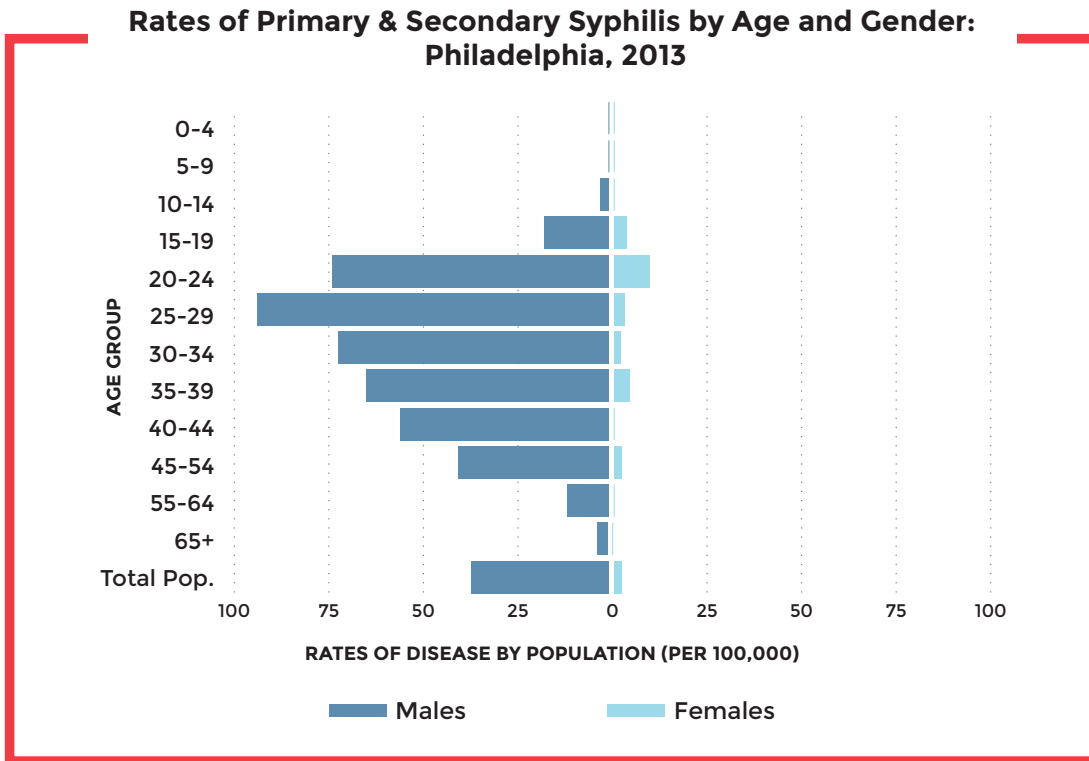
\*unknown=10

# SYPHILIS-PRIMARY & SECONDARY

(*Treponema pallidum*)



# SYPHILIS-PRIMARY & SECONDARY (Cont.)

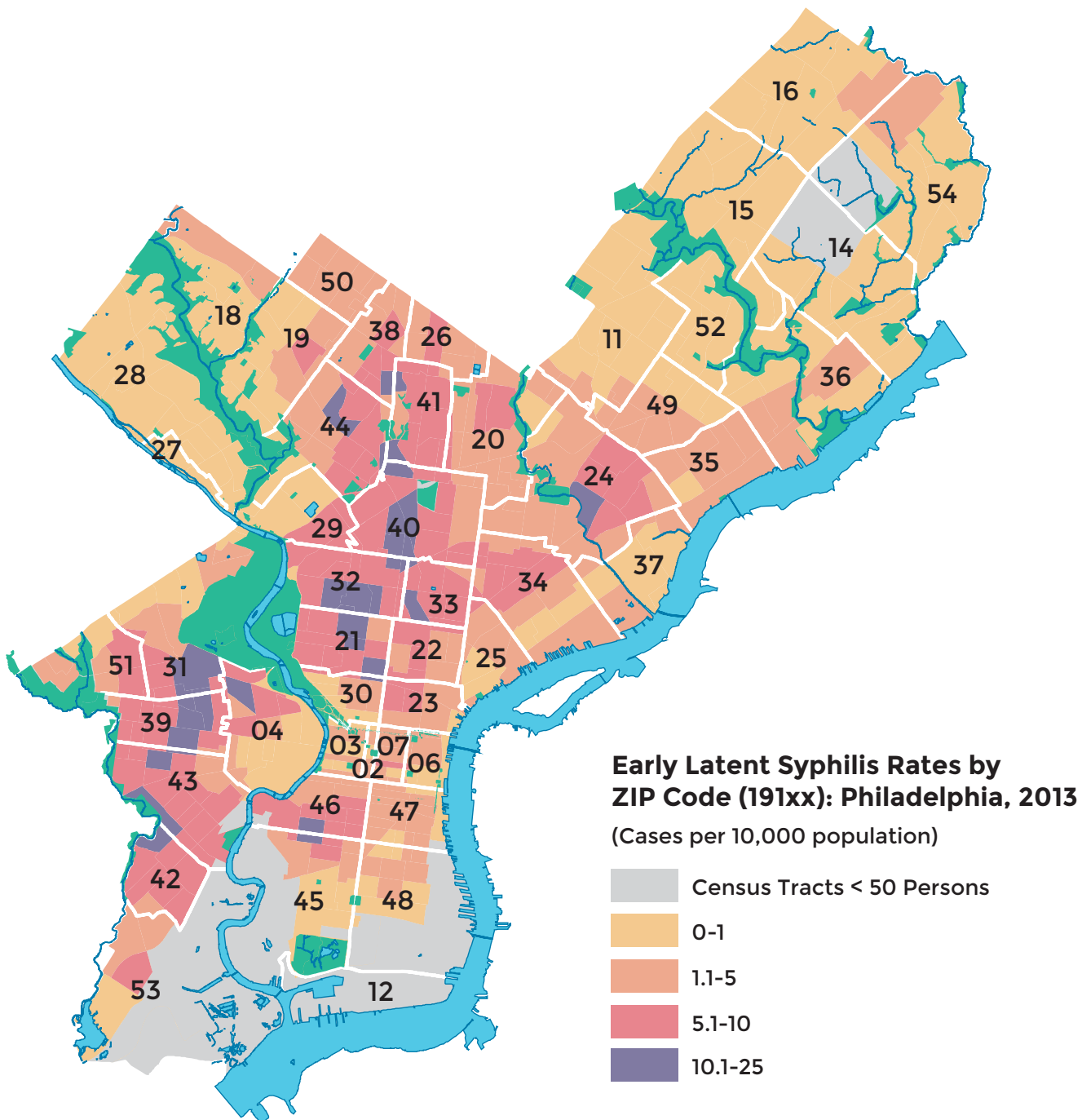


**Number of Primary & Secondary Syphilis Reports by Age and Region: Philadelphia, 2013**

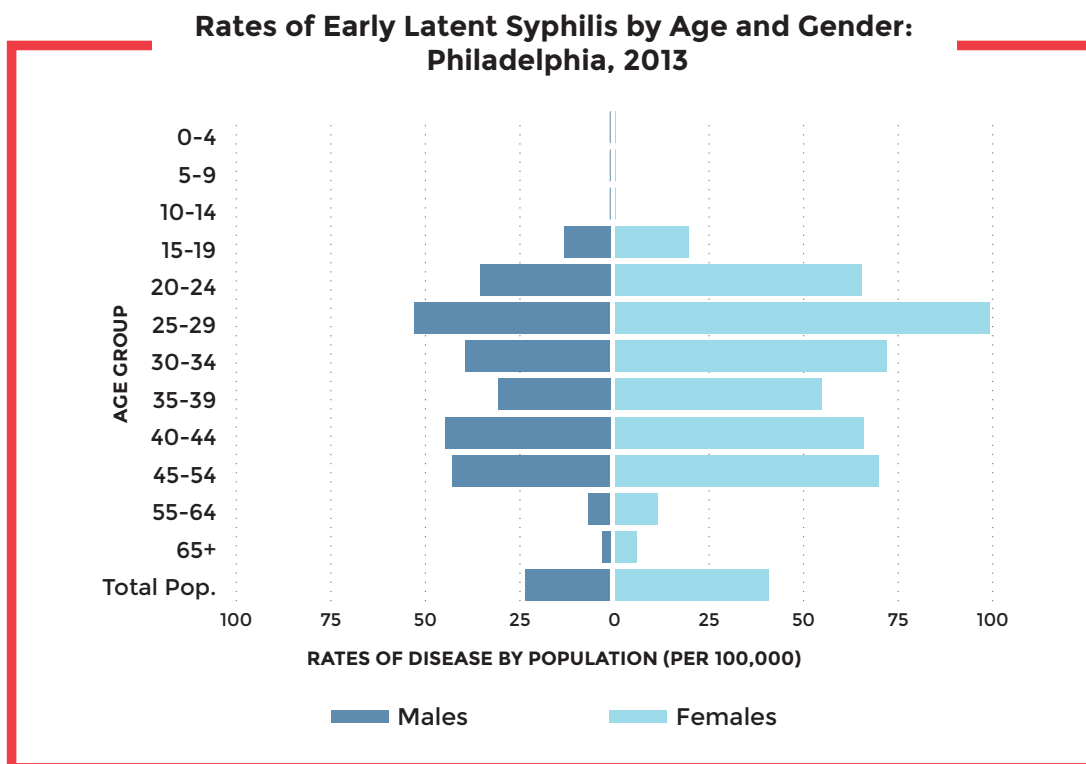
	NE		NW		N		CC		S		W/SW		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Age</b>														
0-19 Yrs	<6		<6		6		<6		<6		<6		13	5
20-24 Yrs	<6		<6		32	12	<6		8	3	12	4	59	21
25-34 Yrs	<6		<6		40	14	<6		24	9	23	8	101	36
35+ Yrs	<6		<6		31	11	6	2	30	11	31	11	105	38
<b>Total</b>	17	6	9	3	109	39	12	4	63	23	68	24	278	100

# SYPHILIS-EARLY LATENT

(*Treponema pallidum*)



# SYPHILIS-EARLY LATENT (Cont.)



**Number of Early Latent Syphilis Reports by Age and Region: Philadelphia, 2013**

	NE		NW		N		CC		S		W/SW		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Age</b>	<6		<6		<6		<6		<6		<6		14	4
0-19 Yrs	<6		<6		<6		<6		<6		<6		14	4
20-24 Yrs	6	2	<6		22	7	<6		7	2	10	3	48	15
25-34 Yrs	10	3	<6		39	12	9	3	20	6	28	8	108	33
35+ Yrs	8	2	6	2	69	21	17	5	29	9	31	9	160	48
<b>Total</b>	26	8	10	3	134	41	27	8	59	18	74	22	330*	100

\*unknown=2

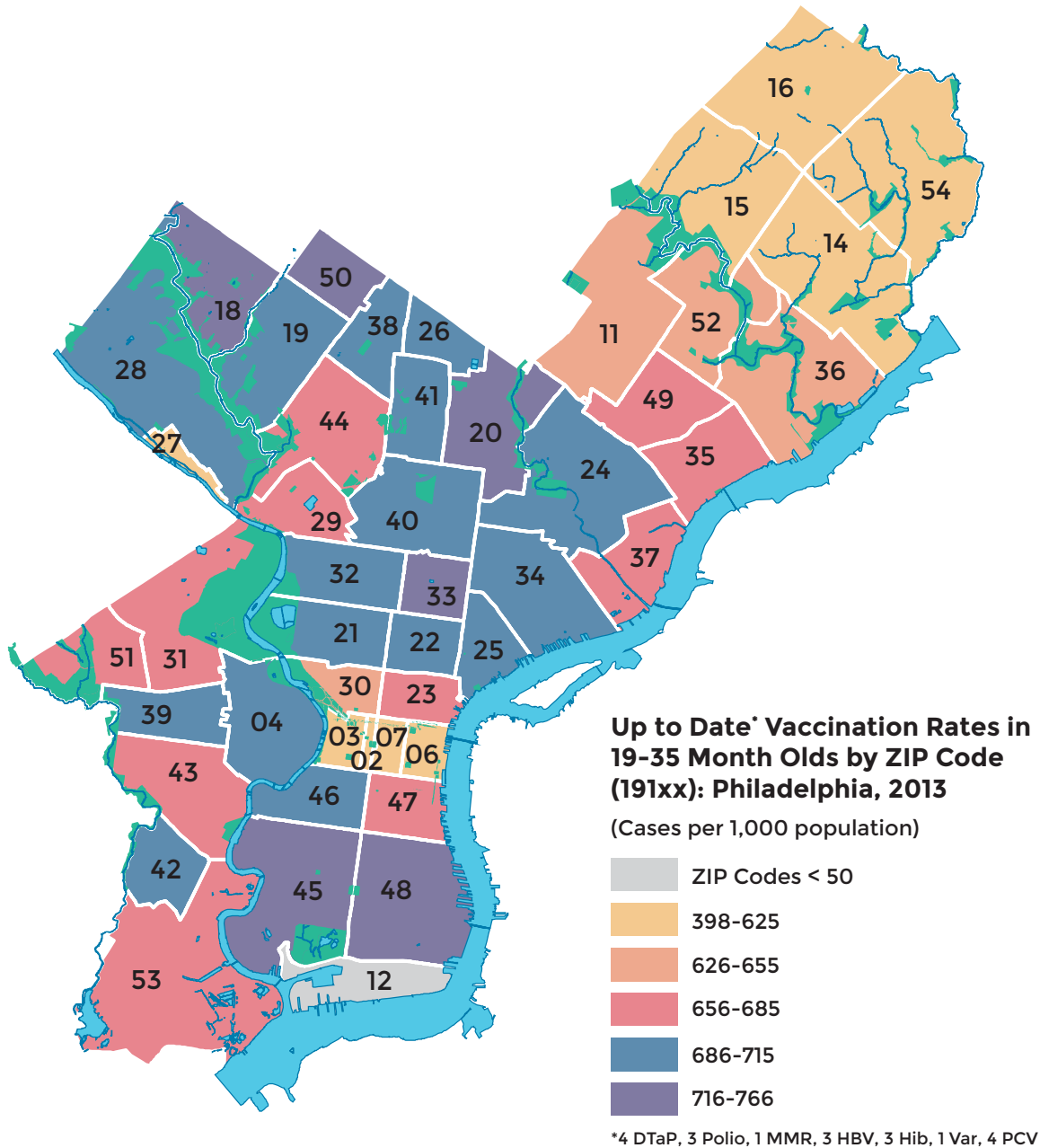


# VACCINE- PREVENTABLE

DISEASES

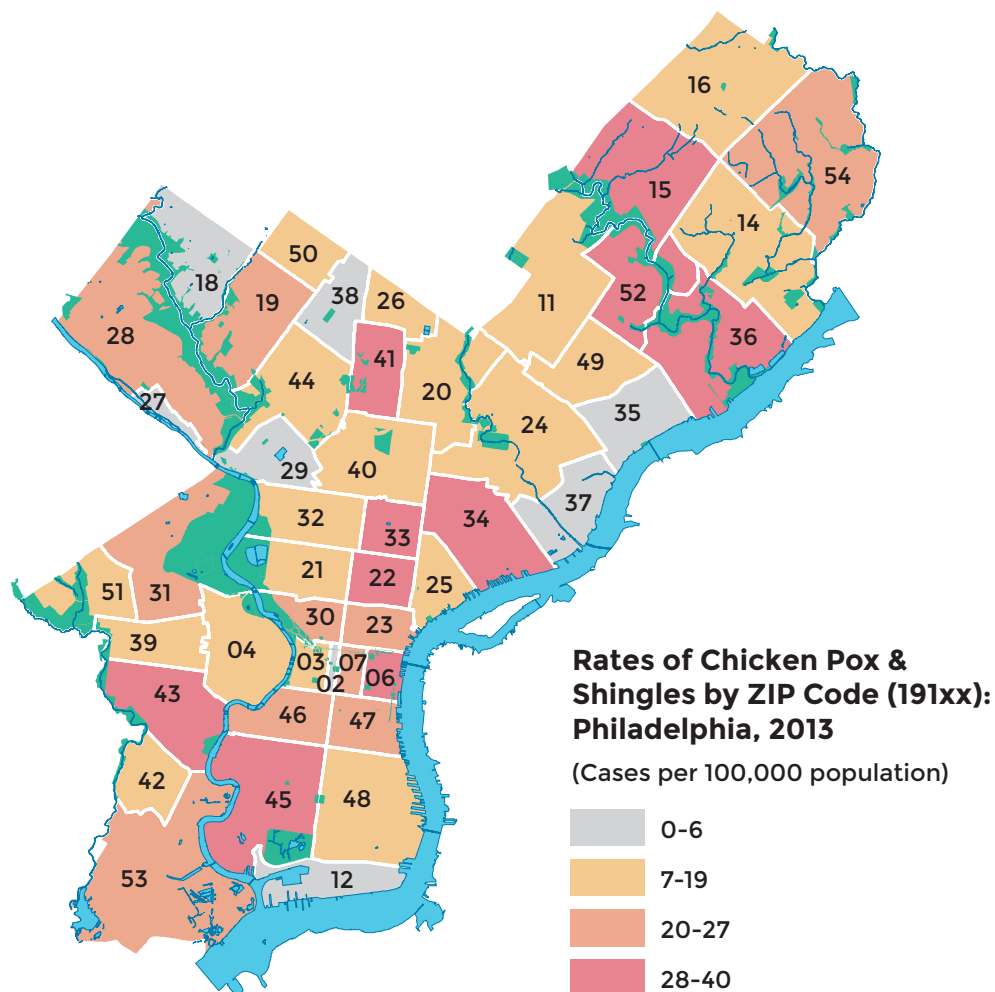
OVERVIEW  
CHICKEN POX & SHINGLES  
MEASLES, MUMPS, & RUBELLA  
MENINGOCOCCAL DISEASE  
PERTUSSIS

# OVERVIEW



# CHICKEN POX & SHINGLES

(Varicella zoster virus)



**Number of Chicken Pox & Shingles Reports by Age and Gender: Philadelphia, 2013**

	0-4 Years		5-17 Years		18-35 Years		36-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	38	12.2	30	9.6	26	8.3	31	9.9	22	7.1	147	47.1
<b>Female</b>	28	9	31	9.9	35	11.2	45	14.4	26	8.3	165	52.9
<b>Total</b>	66	21.2	61	19.6	61	19.6	76	24.4	48	15.4	312	100



# CHICKEN POX & SHINGLES (Cont.)

## OF NOTE

### Two varicella outbreaks occurred in 2013:

- **8 cases in a residential treatment facility** following initial exposure to herpes zoster in Fall 2013. **Six of the cases were in children** (3 were <1 year old and 3 were 3-4 years old). Post exposure prophylactic vaccination was administered to 13 contacts.
- **3 cases were identified in a charter school** with 97% 2-dose varicella vaccine coverage among students. One of these cases was under-vaccinated.

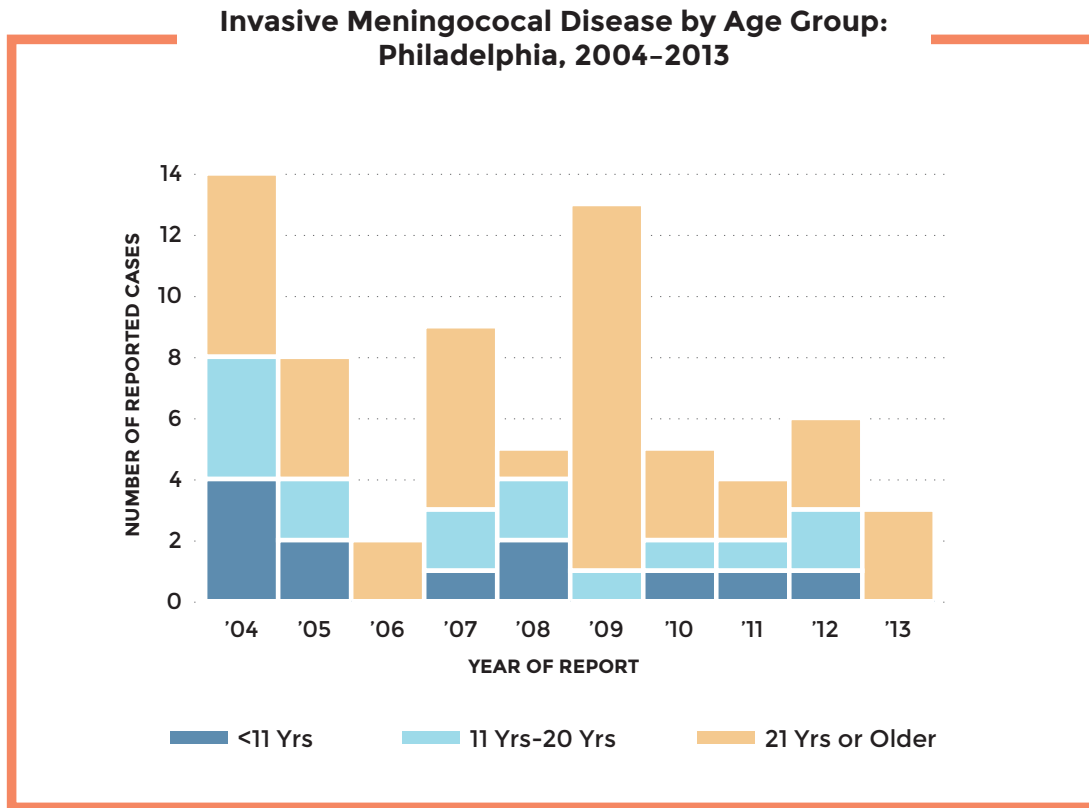
# MEASLES, MUMPS, & RUBELLA

## OF NOTE

- There were two laboratory-confirmed and one probable case of Mumps, age range 20-32 years. MMR vaccine was up to date for 2 of these individuals. One case was linked to the 2013 New Jersey bar outbreak.
- There were no confirmed cases of measles or rubella in 2013. One case of rubella was identified in May 2014 in a male.

# MENINGOCOCCAL DISEASE

(*Neisseria meningitidis*)



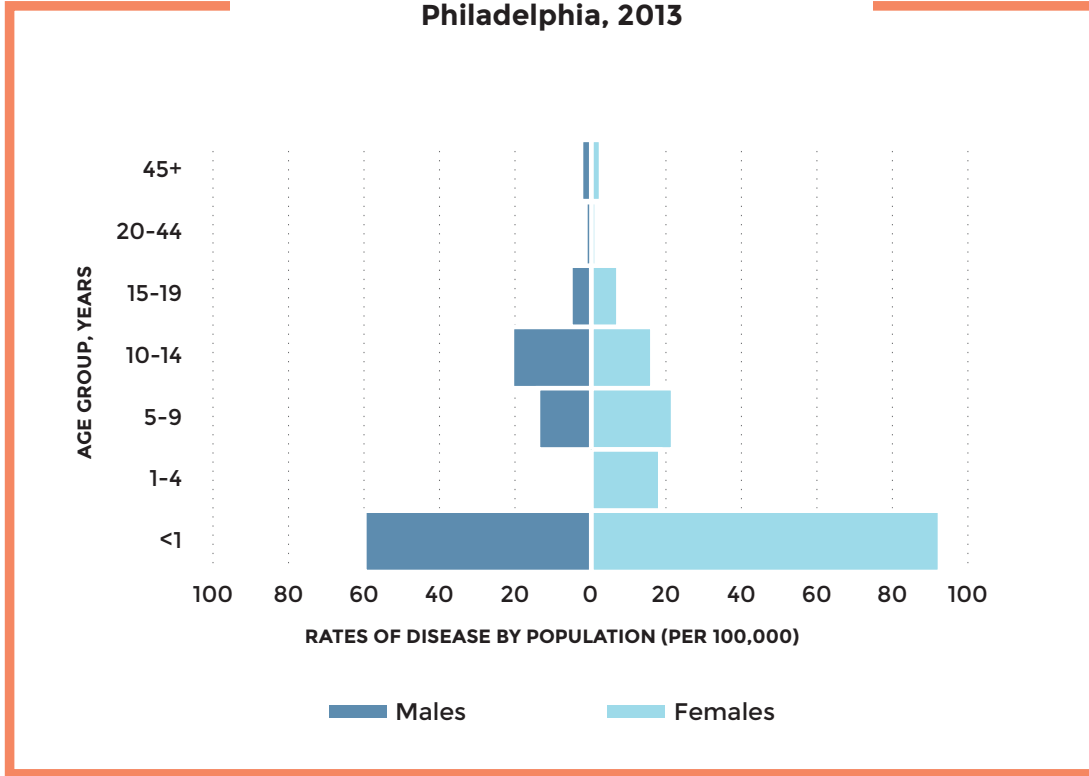
**Reports of Meningococcal Disease by Serogroup Per Year:  
Philadelphia, 2004-2013**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total N (%)
<b>Serogroup</b>											
B	1	1	0	0	1	8	1	1	2	0	15 (23%)
C	3	0	0	4	0	1	1	0	1	0	10 (15%)
W	0	0	1	0	0	1	0	0	0	0	2 (3%)
X	0	0	0	0	0	0	0	1	0	0	1 (2%)
Y	6	4	0	2	2	2	2	2	2	2	24 (36%)
Z	1	0	0	1	0	0	0	0	0	0	2 (3%)
Nontypeable	1	3	1	2	2	0	1	0	1	1	12 (18%)
<b>Total</b>	12	8	2	9	5	12	5	4	6	3	66 (100%)

# PERTUSSIS

(*Bordetella pertussis*)

Rates of Pertussis by Age and Gender:  
Philadelphia, 2013



Number of Pertussis Reports by Age and Gender:  
Philadelphia, 2013

	0-4 Years		15-17 Years		18+ Years		Total	
	n	%	n	%	n	%	n	%
Male	6	7	23	26.7	7	8.1	36	41.9
Female	16	18.6	25	29.1	9	10.5	50	58.1
Total	22	25.6	48	55.8	16	18.6	86	100



# VECTOR- BORNE

DISEASES

BABESIA  
DENGUE FEVER  
LYME DISEASE  
MALARIA

# BABESIOSIS

*(Babesia microti)*

## OF NOTE

In June 2013, the first locally-acquired *Babesia* infection in a Philadelphia resident was reported to PDPH. The individual was an otherwise healthy adult with no travel history but spent extensive time outdoors locally. Sporadic, locally-acquired reports have also been documented in New York, New Jersey, and Eastern Pennsylvania residents.

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# DENGUE FEVER

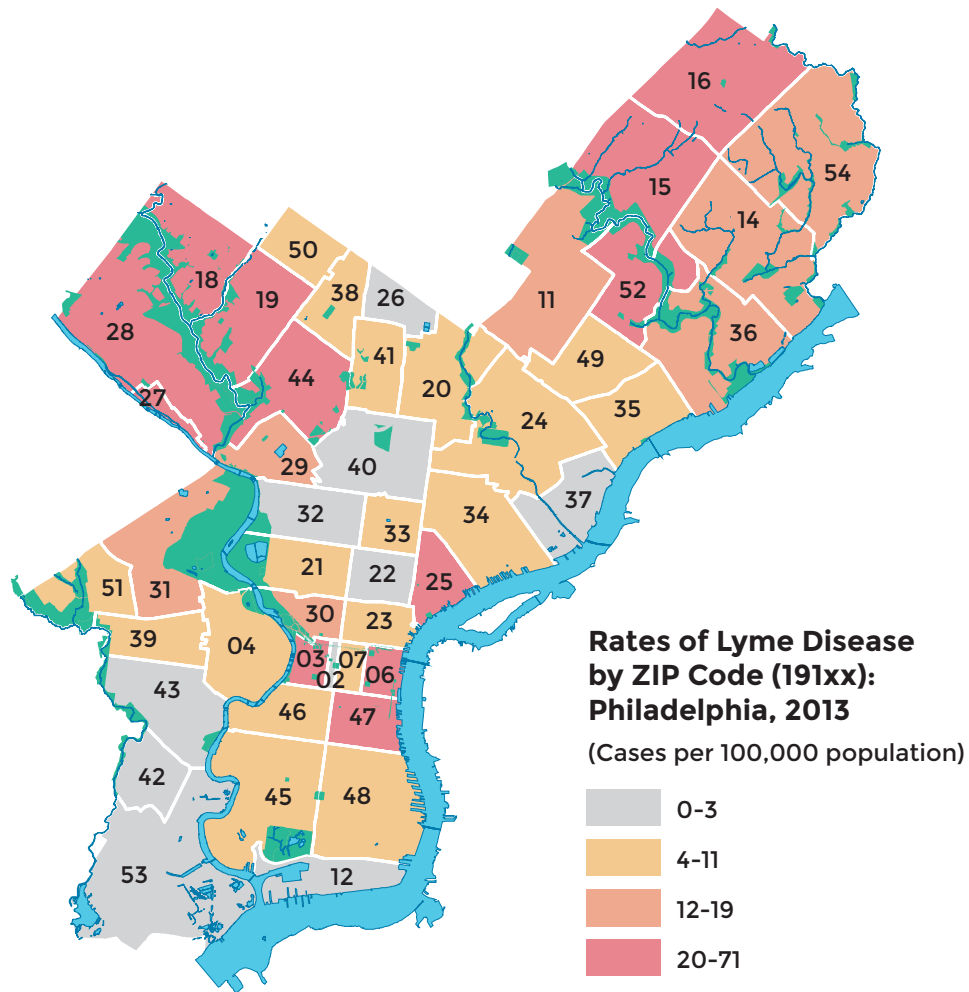
*(Dengue virus)*

## OF NOTE

Travel-related dengue infections increased in 2013 compared to previous years. Cases were in residents returning from the Dominican Republic, Puerto Rico, Brazil, Southern India, and Southeast Asia.

# LYME DISEASE

(*Borrelia burgdorferi*)

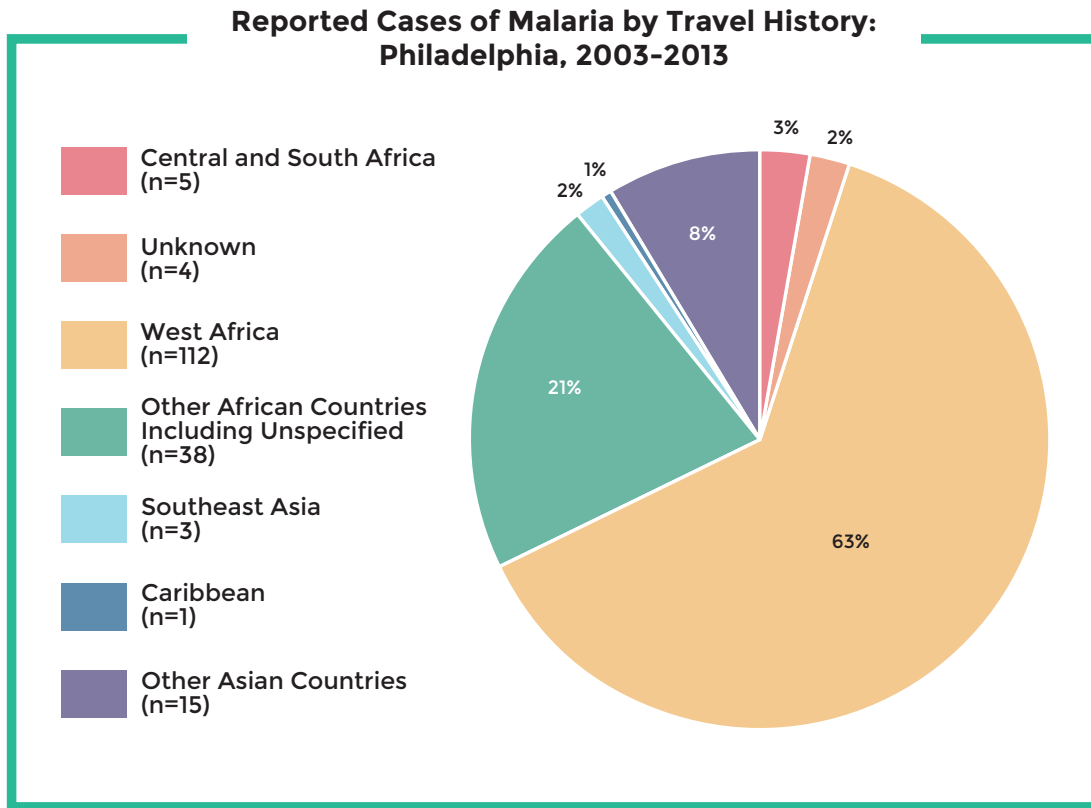


**Number of Lyme Disease Reports by Age and Gender: Philadelphia, 2013**

	0-14 Years		15-34 Years		35-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%	n	%
Male	28	14.8	45	23.8	36	19	11	5.8	120	63.5
Female	18	9.5	15	7.9	19	10.1	17	9	69	36.5
Total	46	24.3	60	31.7	55	29.1	28	14.8	189	100

# MALARIA

(*Plasmodia spp.*)





# **VIRAL HEPATITIS**

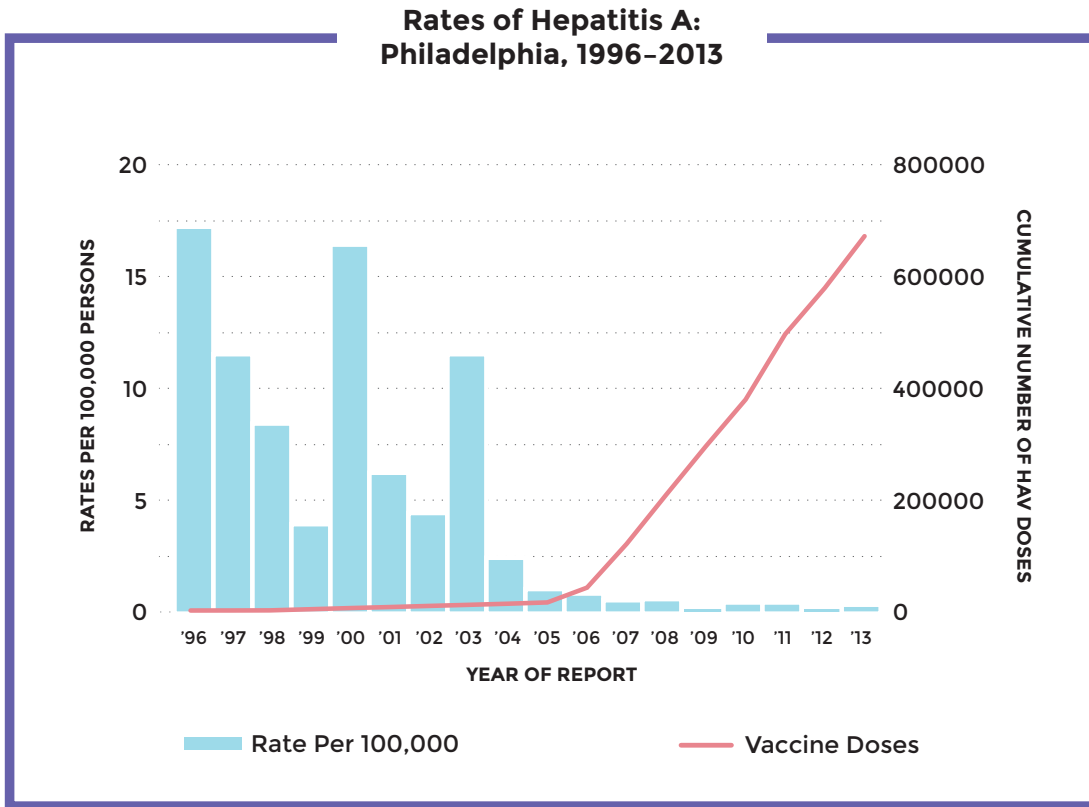
## **INFECTIONS**

HEPATITIS A  
HEPATITIS B-ACUTE  
HEPATITIS B-CHRONIC  
HEPATITIS B-PERINATAL  
HEPATITIS C-CHRONIC



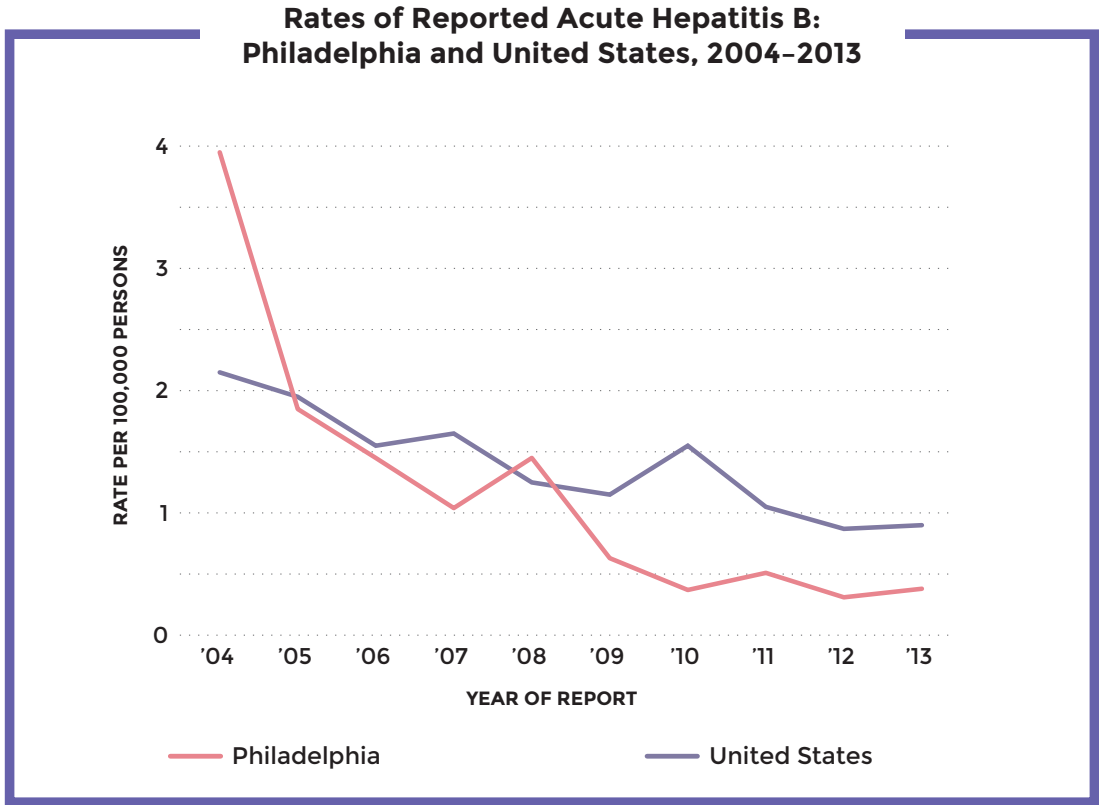
# HEPATITIS A

(Hepatitis A virus)



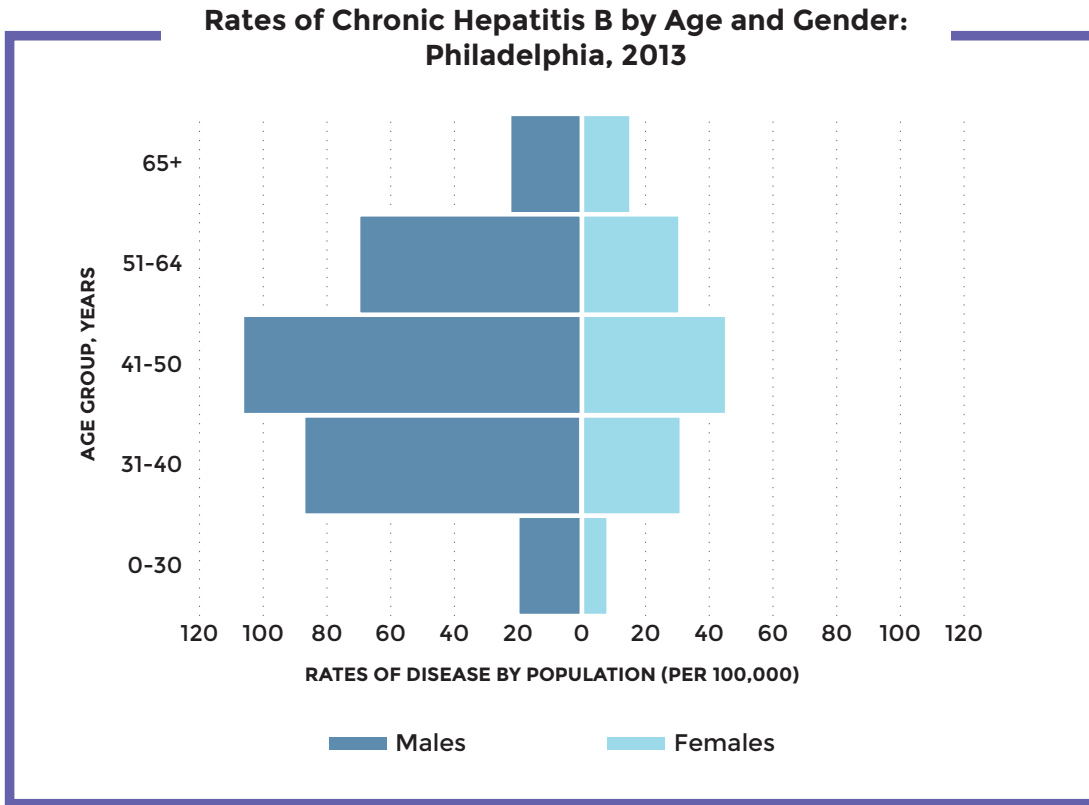
# HEPATITIS B-ACUTE

(Hepatitis B virus)



# HEPATITIS B-CHRONIC

(Hepatitis B virus)



**Number of Chronic Hepatitis B Reports by Age and Gender:  
Philadelphia, 2013**

	0-30 Years		31-40 Years		41-50 Years		51-64 Years		65+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	67	13.2	84	16.5	96	18.9	82	16.1	16	3.1	345	67.9
<b>Female</b>	28	5.5	32	6.3	44	8.7	42	8.3	17	3.3	163	32.1
<b>Total</b>	95	18.7	116	22.8	140	27.6	124	24.4	33	6.5	508	100

# HEPATITIS B-PERINATAL

(Hepatitis B virus)

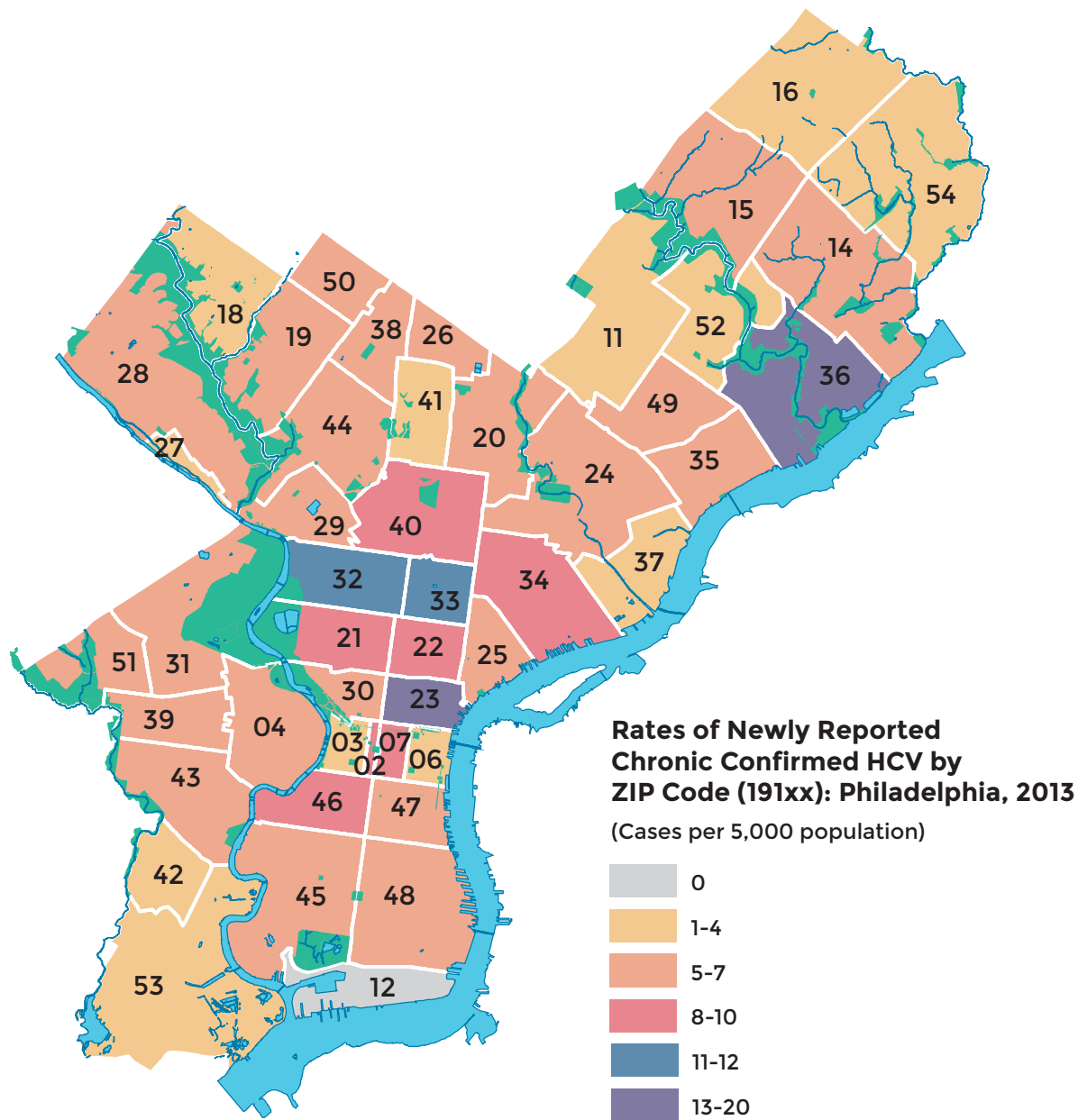
**Monitoring of Perinatal Hepatitis B:  
Philadelphia 2006-2012**

	2006	2007	2008	2009	2010	2011	2012
Total Mother-Child Pairs Followed	119	110	162	173	161	131	171
Total Children Receiving HBIG Within One Calendar Day of Birth	118 (99%)	110 (100%)	162 (100%)	168 (97%)	159 (99%)	129 (98%)	154 (90%)
Total Children Receiving Birth HBV Within One Calendar Day of Birth	119 (100%)	110 (100%)	162 (100%)	171 (99%)	161 (100%)	129 (98%)	167 (98%)
Total Children Receiving 3 HBV Vaccines in 1 Year	115 (97%)	109 (99%)	153 (94%)	156 (90%)	140 (87%)	114 (87%)	167 (98%)
Children HBV+ at Screening	2 (2%)	1 (1%)	0	0	3 (2%)	0	1 (<1%)

**Note:** Due to the nature of the program, complete 2013 Perinatal Hepatitis B Prevention Program results will not be available until 2015.

# HEPATITIS C-CHRONIC

(Hepatitis C virus)



**Note:** The increased rates of chronic hepatitis C in ZIP codes 19123 and 19136 is partially due to the transient population that uses the Prevention Point Philadelphia needle exchange program and the Philadelphia Prison System, respectively, as a home address.

# HEPATITIS C-CHRONIC (Cont.)

**Number of Chronic Hepatitis C Reports by Age and Gender:  
Philadelphia, 2013**

	0-18 Years		19-30 Years		31-45 Years		46-65 Years		66+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	26	1.4	118	6.2	221	11.7	766	40.4	63	3.3	1194	63
<b>Female</b>	25	1.3	109	5.8	130	6.9	377	19.9	59	3.1	700	37
<b>Total</b>	51	2.7	227	12	351	18.5	1143	60.3	122	6.4	1894*	100

\*Missing 10

## OF NOTE

**In December 2012, PDPH was notified of HCV antibody seroconversions in five patients of an outpatient hemodialysis facility:**

- Further investigation uncovered 18 patient seroconversions between 2007 and 2013. Quasispecies analysis of available specimens demonstrated highly related HCV strains.
- Suboptimal infection control practices likely contributed to transmission through cross contamination of supplies, medication, or equipment.
- No additional cases have been identified in patients of this facility since April 2013.
- In hemodialysis centers, HCV transmission can be limited through bi-annual HCV screening of susceptible patients, routine infection control auditing, and ongoing staff/patient education.



# **REPORTING DISEASES & CONDITIONS**

NOTIFIABLE DISEASE LIST  
REPORT FORM

# PHILADELPHIA DEPARTMENT OF PUBLIC HEALTH DIVISION OF DISEASE CONTROL (DDC)

Phone: 215-685-6748

Fax: 215-238-6947

For after hours immediate reporting & consultation: 215-686-4514 – ask for Division of Disease Control on-call staff

## REPORTABLE DISEASES AND CONDITIONS

Acquired Immunodeficiency Syndrome (AIDS/HIV) ‡	Listeriosis
Amebiasis	Lyme disease
Animal bites (wild/stray/domestic)	Malaria
<b>Anthrax *</b>	<b>Measles (rubeola) *</b>
Babesiosis	<b>Melioidosis *</b>
<b>Botulism *</b>	Meningitis (viral, fungal, bacterial)
<b>Brucellosis *</b>	<b>Meningococcal infections *</b>
Campylobacteriosis	Mumps
<i>Chlamydia trachomatis</i> including lymphogranuloma venereum	<b>Novel coronavirus (SARS, MERS-CoV) *</b>
Chancroid	Pertussis (whooping cough)
<b>Cholera *</b>	<b>Plague *</b>
Creutzfeldt-Jakob Disease	<b>Poliomyelitis *</b>
Cryptosporidiosis	Psittacosis (ornithosis)
Cyclosporiasis	<b>Rabies *</b>
Dengue	Rickettsial diseases (including Rocky Mountain Spotted Fever, rickettsial pox, typhus fever)
<b>Diphtheria *</b>	<b>Rubella (German Measles) &amp; Congenital Rubella *</b>
Ehrlichiosis/Anaplasmosis	Salmonellosis
<b>Encephalitis including all arboviruses *</b>	Shigellosis
<b>Escherichia coli O157:H7 and Shiga toxin-producing bacteria *</b>	<b>Smallpox *</b>
<b>Food poisoning *</b>	<i>Staphylococcus aureus</i> , vancomycin insensitive
Giardiasis	Streptococcal disease, invasive group A
Gonococcal infections	Streptococcal disease, invasive group B (neonatal)
Guillain-Barré Syndrome	<i>Streptococcus pneumoniae</i> , invasive disease
<b>Haemophilus influenzae, invasive disease *</b>	Syphilis
<b>Hantavirus Pulmonary Syndrome *</b>	Tetanus
Hepatitis A	Toxic Shock Syndrome
Hepatitis B	Trichinosis
Hepatitis C	Tuberculosis §
Hepatitis, other viral	<b>Tularemia *</b>
Histoplasmosis	<b>Typhoid (Salmonella typhi and paratyphi) *</b>
<b>Influenza – novel influenza A *</b>	Vibriosis
<b>Influenza – pediatric mortality and institutional outbreaks *</b>	<b>West Nile Virus *</b>
Lead poisoning †	Varicella, including zoster
Legionnaires' disease	<b>Yellow Fever and other viral hemorrhagic fevers *</b>
Leprosy (Hansen's disease)	Yersiniosis
Leptospirosis	

\* Report suspected and confirmed cases within **24 hours** ‡ Report to AIDS Activities Coordinating Office at 215-685-4789

† Report to Lead Poisoning Prevention at 215-685-2788 § Report to TB Control Program at 215-685-6744 or -6873

All other cases should be reported within 5 days

All unusual disease clusters, disease outbreaks, and unusual disease occurrences should be reported immediately

To Report a Case to DDC, Call, Fax or Submit through PA-NEDSS the Following Information:  
Patient Name | Condition | Age/DOB, Sex, Address & Phone | Clinician Name, Address & Phone | Laboratory Testing

For more information, please visit <https://hip.phila.gov/xv>

Effective 06/14



**Notifiable Disease Case Report**  
(Confidential)

**Philadelphia Department of Public Health**  
**Division of Disease Control**

Communicable Disease Control Program  
500 S. Broad Street, Philadelphia, PA. 19146



**Identification of Patient**

Report Date (Mo., Day, Yr.)	Name (Last, First, M.I.)	Parent or caretaker (if applicable)	
Address (Number, Street, Apt #, City, Zip Code)		Telephone (H) _____ (W) _____ (C) _____	
DOB (Mo., Day, Yr.)	Age	Sex <input type="checkbox"/> M <input type="checkbox"/> F	Occupation
Name of Employer or School		Address ( Number, Street, City, Zip Code)	

**Medical Information**

Disease or Condition	Date of Onset (Mo., Day, Yr.)	Diagnosis (check one) <input type="checkbox"/> Clinical <input type="checkbox"/> Lab confirmed	Fatal (check one) <input type="checkbox"/> Yes <input type="checkbox"/> No
	(If animal bite Date it Occurred)		
Chief Symptoms / Complaints		Suspected source of Infection (if known)	
If Case Hospitalized (Name of Hospital)		Admission Date	Discharge Date

**Laboratory Information If Pertinent (Attach Copies If Applicable)**

Name of Tests Done	Site/Source	Results	Dates Done

**Animal Exposures**

Parts of Body Bitten	Type of Animal	Breed of Animal	Current Location Of Animal (Indicate if available for testing)
Name of Owner		Address of Owner (Number, Street, Apt #, City, Zip Code)	

**Reporter Information**

Name of Person Reporting Case	Reporter <input type="checkbox"/> ICP <input type="checkbox"/> ED <input type="checkbox"/> Other _____	Phone
Reporting Institution	Address (Number, Street, City, Zip Code)	

**DO NOT WRITE IN AREA BELOW - FOR DEPARTMENT USE**

Name (Person Receiving Report)	Method of reporting <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> Mail <input type="checkbox"/> Active Surveillance <input type="checkbox"/> Other _____
--------------------------------	--

**Any unusual illness, disease clusters or possible outbreaks should be reported *immediately* by telephone. Please fax all completed reports to 215-238-6947, or call 215-685-6748 to report case by phone.**