

DIVISION OF  
DISEASE CONTROL

20  
14

# 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, 2005-2014

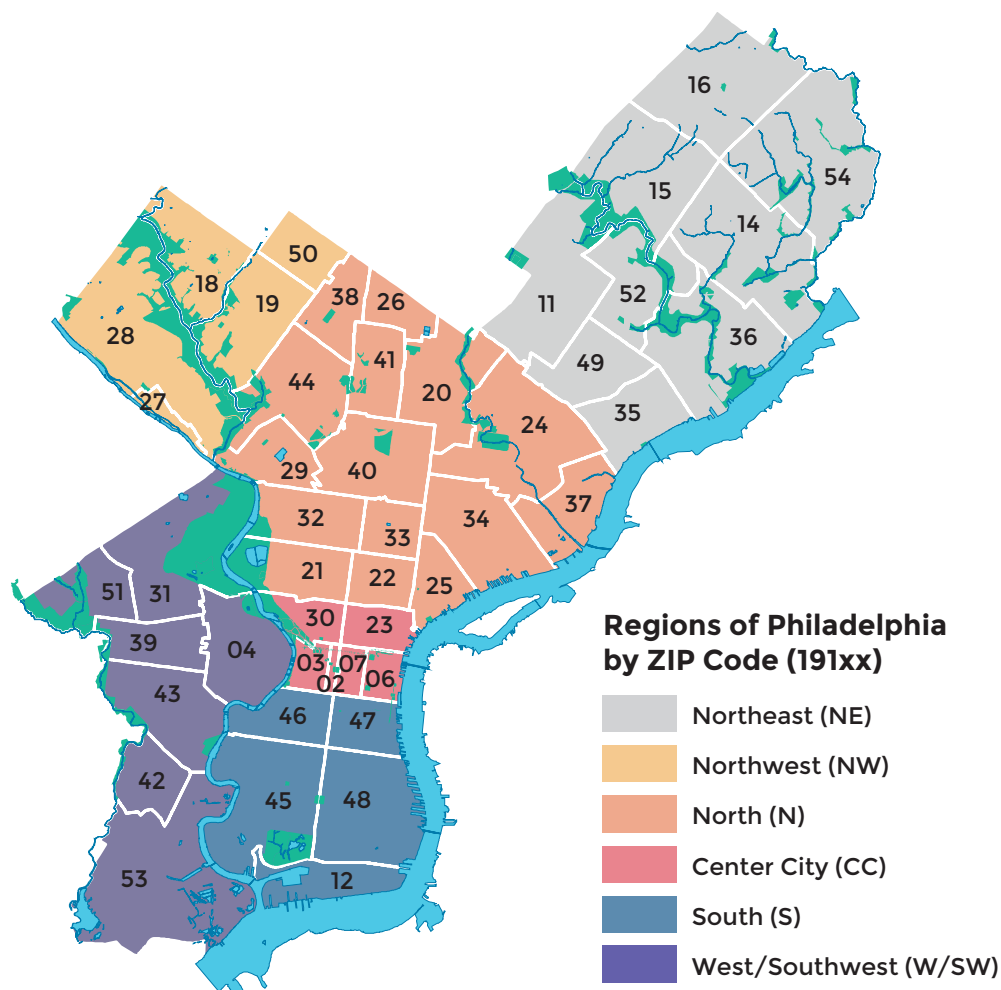
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Amebiasis	6	4	19	14	13	4	9	11	13	15
Animal Bites/Exposures	1418	1457	1499	1641	1768	1624	1513	1598	1586	1644
Anthrax	0	0	0	0	0	0	0	0	0	0
Babesiosis	0	0	1	0	0	0	1	0	1	1
Botulism	1	1	1	1	0	1	2	2	2	1
Brucellosis	0	0	1	0	0	0	0	1	1	0
Campylobacteriosis	74	73	80	118	117	121	141	182	103	167
<i>Chlamydia trachomatis</i>	15577	17199	17029	17012	18104	19428	20471	20803	19570	18935
Cholera	0	0	0	0	1	0	0	1	0	0
Cryptosporidiosis	27	29	94	23	38	17	14	18	58	30
Cyclosporiasis	3	0	2	1	3	0	0	1	0	1
Dengue Fever	0	1	8	1	0	3	1	1	11	0
Diphtheria	0	0	0	0	0	0	0	0	0	0
<i>Escherichia coli</i> , Shiga Toxin-Producing (STEC)	7	19	4	8	10	14	9	12	6	10
Giardiasis	93	81	65	99	106	122	43	60	76	65
Gonorrhea	5053	5218	5246	4950	4823	6533	6761	7293	6303	5961
Guillian-Barre Syndrome	1	2	1	3	1	0	0	0	1	1
<i>Haemophilus influenzae</i> [Type B]	14 [0]	16 [0]	19 [2]	11 [1]	30 [7]	28 [1]	22 [2]	39 [1]	26 [0]	23 [1]
Hepatitis A	17	14	9	10	2	13	8	2	6	6
Hepatitis B, Acute	27	21	15	21	9	5	7	4	5	7
Hepatitis C, Acute (Non-A, Non-B Until 1998)	2	1	0	0	0	1	0	13	18	10
Histoplasmosis	0	1	2	0	1	2	0	1	0	0
Legionellosis	19	21	24	26	60	33	64	29	61	42
Leptospirosis	0	0	0	0	0	1	0	1	0	0
Listeriosis	2	7	8	5	5	8	2	6	10	3
Lyme Disease	172	139	172	281	363	238	301	191	189	140
Malaria	14	15	7	19	16	22	19	13	21	30
Measles	0	0	0	0	1	0	0	2	0	0
Meningitis, Aseptic	95	66	86	79	68	84	104	92	124	60
Meningitis, Bacterial	4	1	4	4	6	12	12	5	3	0
Meningococcal Infections	8	2	9	5	12	5	4	6	3	2
Mumps	2	2	1	1	0	54	21	4	3	0
Pertussis	75	50	39	54	65	74	49	268	86	127

# DISEASE REPORTING TRENDS (Cont.)

Reports of Communicable Diseases Per Year:  
Philadelphia, 2005-2014 (Cont.)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Plague	0	0	0	0	0	0	0	0	0	0
Poliomyelitis	0	0	0	0	0	0	0	0	0	0
Rabies (Human)	0	0	0	0	0	0	0	0	0	0
Rickettsial Diseases, Including RMSF	3	8	2	3	0	9	4	12	8	10
Rubella, Including Congenital Rubella Syndrome	0	0	0	0	0	0	0	0	0	1
Salmonellosis, Excluding Typhoid	305	293	404	420	396	395	301	305	284	229
Shigellosis	31	14	138	206	1,051	141	41	48	66	66
<i>Strep Pneumoniae</i> , Invasive	151	139	162	165	198	154	158	103	149	101
<i>Streptococcus</i> , Invasive gp. A [TSS]	27 [0]	37 [0]	34 [0]	75 [0]	49 [1]	66 [0]	73 [0]	61 [0]	56 [0]	95 [0]
Syphilis-Primary & Secondary	86	125	136	150	218	238	207	269	278	308
Syphilis-Congenital	2	0	9	7	4	1	4	5	1	4
Syphilis-Total	417	540	500	526	704	667	698	798	962	894
Tetanus	0	0	0	0	0	0	0	0	0	0
Toxic Shock Syndrome, Staphylococcal	0	0	0	0	0	0	0	1	0	1
Tuberculosis	116	149	133	162	98	96	101	86	89	78
Tularemia	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	1	4	0	6	2	2	3	2	1	5
Varicella (Chicken Pox only)	614	787	735	349	326	261	262	118	167	118
Vibrio SPP. Other	0	0	0	3	3	0	1	0	0	4
West Nile Virus	0	1	0	8	0	13	1	9	3	5
Yellow Fever	0	0	0	0	0	0	0	0	0	0

# 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

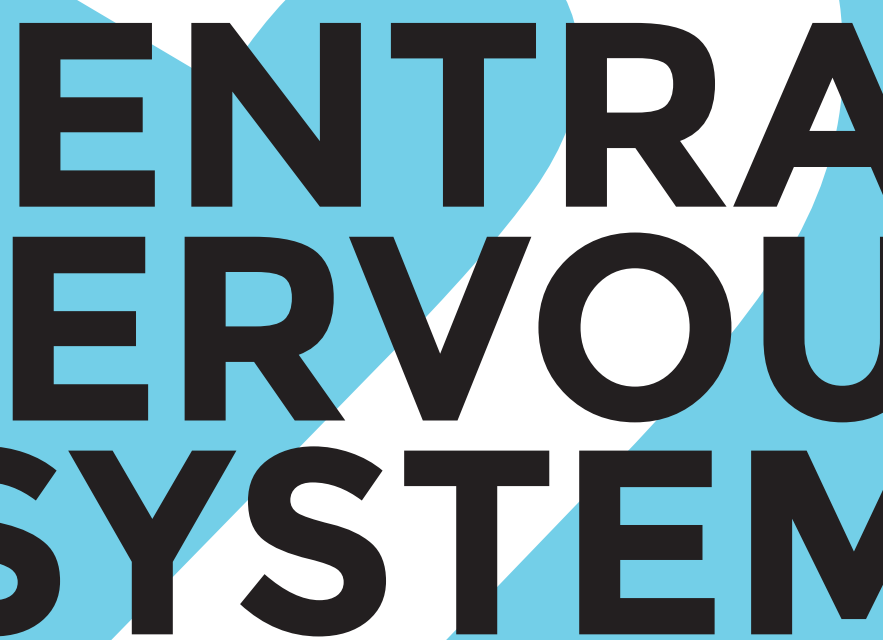
\*Data according to the U.S. Census Bureau



# REGIONAL OVERVIEW (Cont.)

Counts of Disease With Sufficient Burden:  
Philadelphia, 2014

	NE	NW	N	CC/S	W/SW	Missing	Total
	n	n	n	n	n	n	n
<b>Disease</b>							
Campylobacteriosis	27	16	48	54	22	0	167
Chlamydia	1766	663	9510	2107	4856	33	18935
Giardiasis	<12	<6	21	16	12	0	65
Gonorrhea	483	172	2902	781	1614	9	5961
Hepatitis C, Chronic (RNA only)	323	55	841	302	373	244	2138
Influenza (Hospitalized)	126	56	294	232	277	0	985
Lyme Disease	43	24	20	30	22	1	140
Meningitis, Aseptic	18	<6	29	<6	9	0	60
Pertussis	21	14	39	26	27	0	127
Salmonellosis	33	10	75	37	74	0	229
Shigellosis	<6	<6	21	23	15	0	66
Strep Pneumoniae	30	<6	35	<12	28	0	101
Streptococcus, Invasive gp A	33	<6	33	<12	13	0	95
Syphilis-Early Latent	19	8	141	87	77	0	332
Syphilis-Primary&Secondary	23	14	138	65	68	0	308
Tuberculosis	20	<6	33	16	<12	1	78
Varicella (Chicken Pox & Shingles)	80	20	81	55	51	0	288



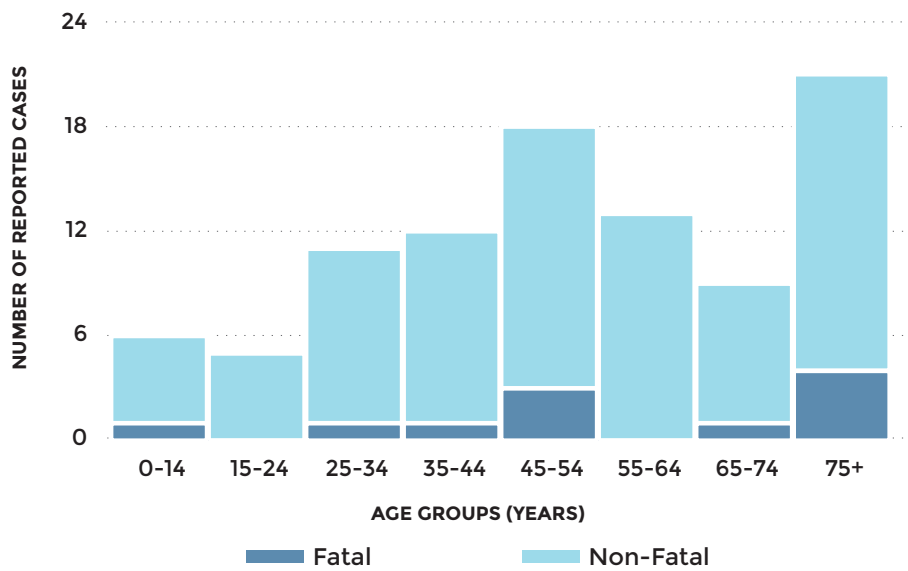
# CENTRAL NERVOUS SYSTEM

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, 2014



## OF NOTE

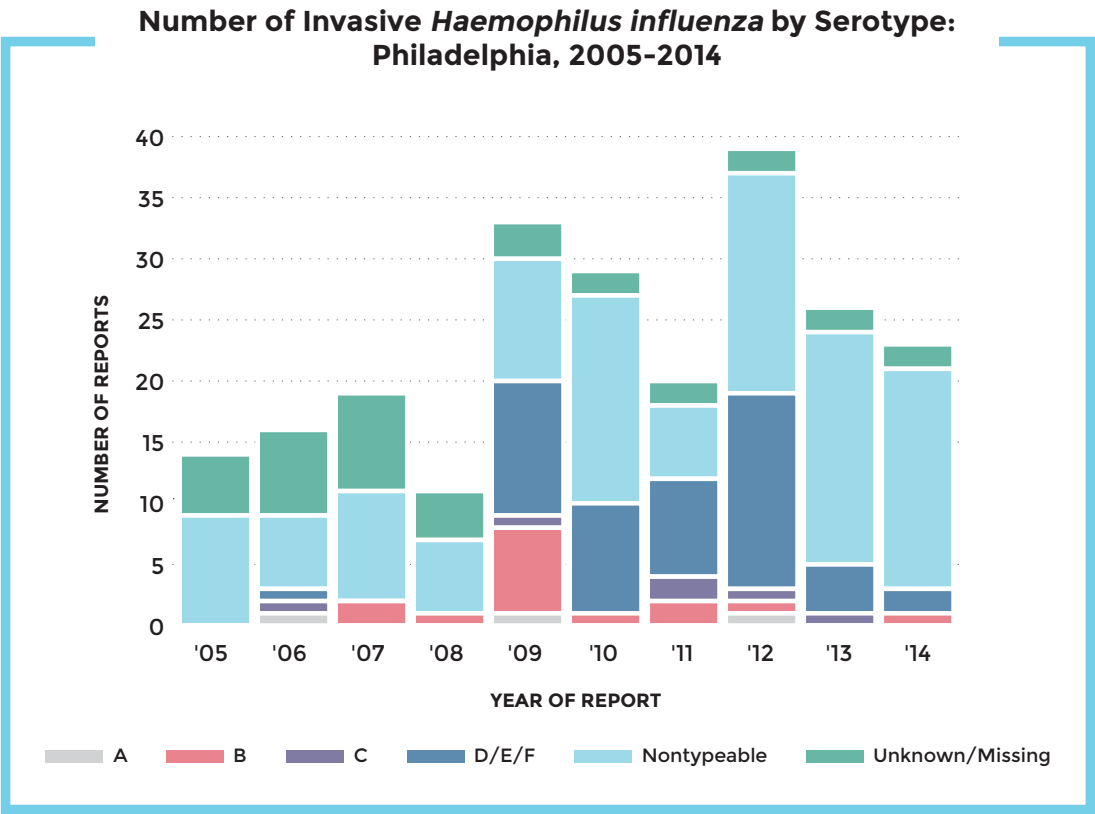
A total of 17 invasive Group A Streptococcal (GAS) cases were associated with six different long term care facilities (LTCFs) in 2014. **These individuals had septic infections; two died from complications.** Most of these cases were temporally clustered. PDPH worked with these LTCFs to enhance infection control precautions and to mitigate further transmission through contact screening.

Number of *Group A Streptococcus* Reports by Age:  
Philadelphia, 2014

	0-29 Years		30-45 Years		45+ Years		Total	
	n	%	n	%	n	%	n	%
Male	7	7.4	8	8.4	28	29.5	43	45.3
Female	9	9.5	10	10.5	33	34.7	52	54.7
Total	16	16.8	18	18.9	61	64.2	95	100



# HAEMOPHILUS INFLUENZAE

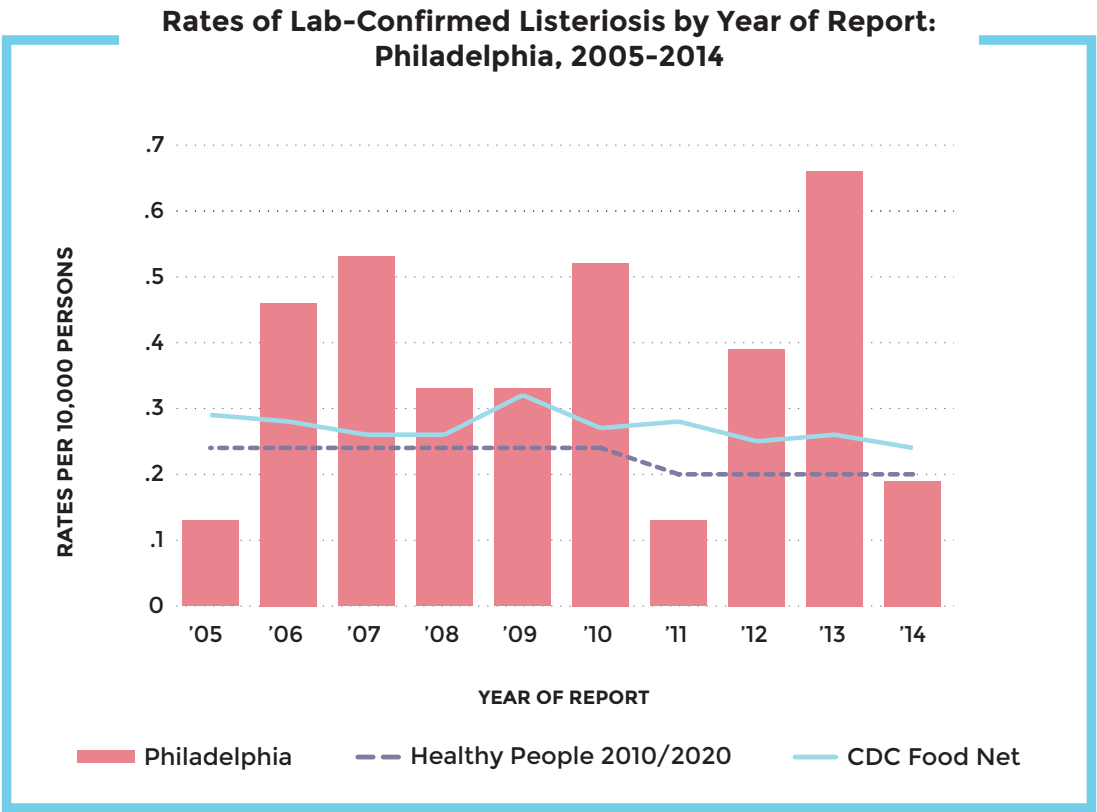


**Number of Invasive *Haemophilus influenzae* by Age: Philadelphia, 2014**

	0-49 Years		50-69 Years		70+ Years		Total	
	n	%	n	%	n	%	n	%
Total	6	26.1	7	30.4	10	43.5	23	100

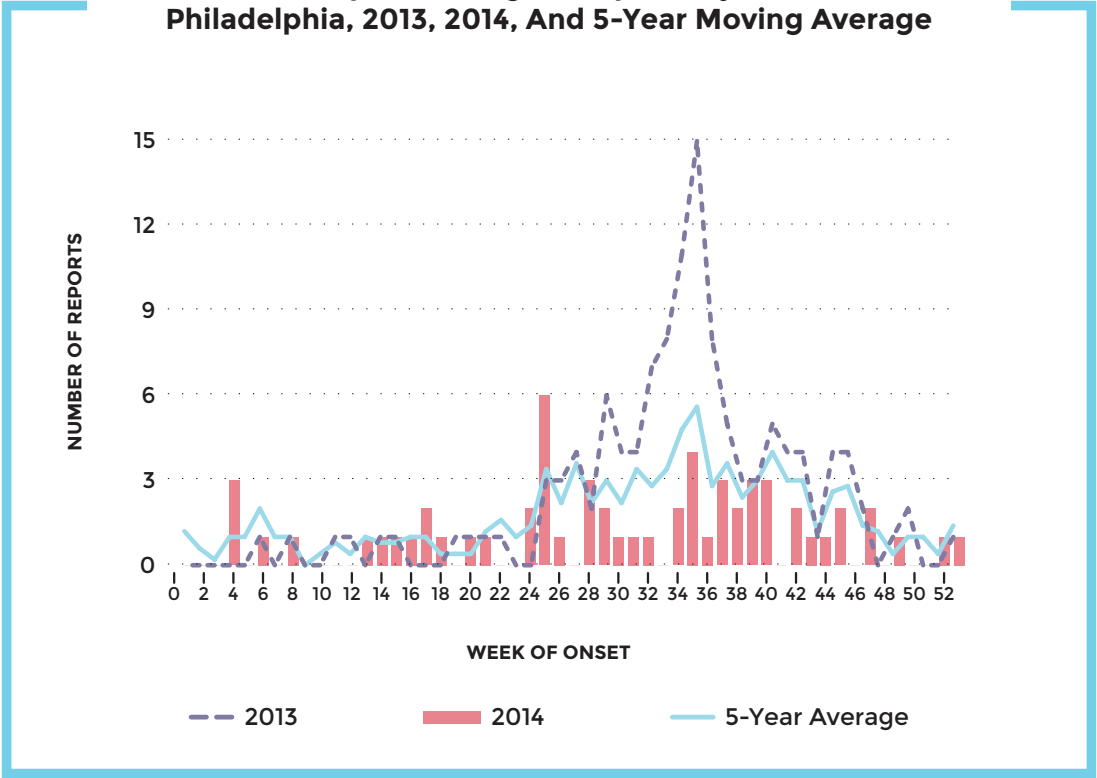
# LISTERIOSIS

(*Listeria monocytogenes*)



# MENINGITIS, ASEPTIC

Number Of Aseptic Meningitis Reports By Week Of Onset:  
Philadelphia, 2013, 2014, And 5-Year Moving Average

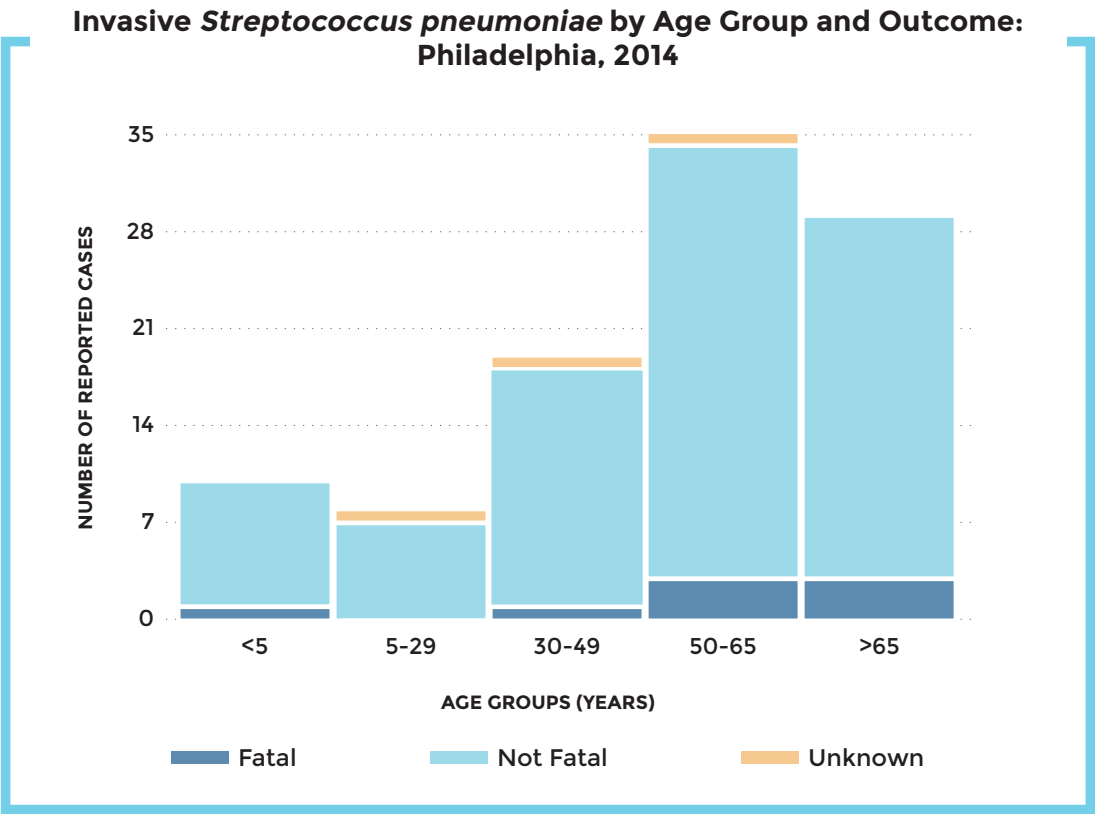


Number of Aseptic Meningitis Reports by Age and Gender:  
Philadelphia, 2014

	0-4 Years		5-30 Years		31+ Years		Total	
	n	%	n	%	n	%	n	%
Male	9	15	11	18.3	7	11.7	27	45
Female	9	15	6	10	18	30	33	55
Total	18	30	17	28.3	25	41.7	60	100



# STREPTOCOCCUS PNEUMONIAE



**Number of Invasive *Streptococcus pneumoniae* by Age and Gender: Philadelphia, 2014**

	0-20 Years		21-50 Years		51-64 Years		65+ Years		Total	
	n	%	n	%	n	%	n	%	n	%
Male	6	5.9	9	8.9	18	17.8	10	9.9	43	42.6
Female	9	8.9	14	13.9	15	14.9	20	19.8	58	57.4
Total	15	14.9	23	22.8	33	32.7	30	29.7	101	100

# EBOLA VIRUS

## OF NOTE

### Monitoring Passengers from Ebola-Affected Countries

Beginning in October 2014, PDPH monitored airline passengers travelling from countries with ongoing Ebola outbreaks for signs and symptoms of this infection. The goal of this collaboration with CDC and the Pennsylvania Department of Health was to prevent the transmission of Ebola within the US by expediting disease identification, testing for Ebola virus, and ensuring appropriate infection control measures for suspected Ebola cases (i.e., fever, recent travel to an Ebola-affected country, headache, vomiting, diarrhea, or abdominal pain).

### Characteristics of Passengers from Ebola-Affected Countries Who Completed 21-Day Monitoring: Philadelphia, October-December 2014

	Passengers (227)	
Median Age (Age Range)	30 Years (10 Months - 82 Years)	
	n	%
Female	109	48
Ebola-Affected Country Visited		
Liberia	140	62
Mali	30	13
Guinea	30	13
Sierra Leone	25	11
>1 Affected Country	2	1
Ebola-exposure Risk Level		
Low (No contact with Ebola patient)	226	>99
Some (i.e., exposed to Ebola patient with precautions)	1	<1
High (i.e., exposed to Ebola patient without precautions)	0	0



# **GASTRO- INTESTINAL**

## **INFECTIONS**

OVERVIEW  
CAMPYLOBACTERIOSIS  
CRYPTOSPORIDIOSIS  
GIARDIASIS  
SALMONELLOSIS  
SHIGELLOSIS

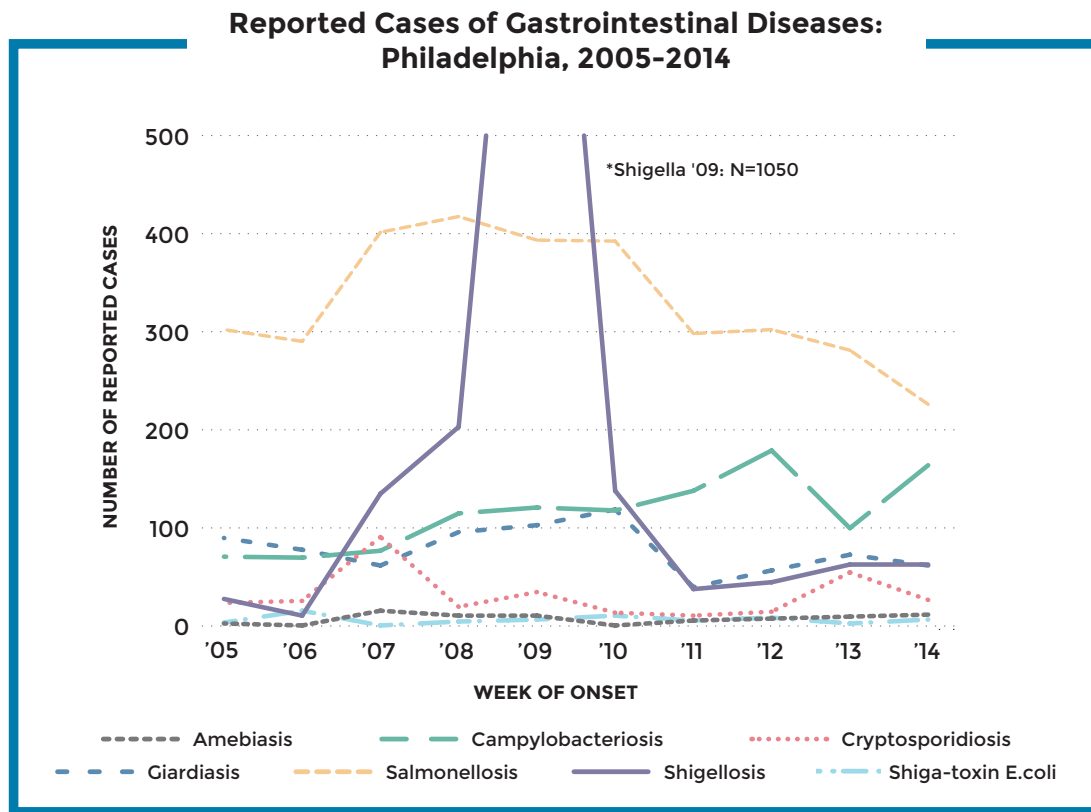


OVERVIEW

Antibiotic Resistance of Selected Enteric Pathogens:  
Philadelphia, 2014

Pathogen	Antibiotics Tested	Total Tested	Resistant		Intermediate	
			n	%	n	%
Campylobacter	Ciprofloxacin	26	10	38	0	0
	Erythromycin	26	2	8	0	0
Salmonella	Ampicillin	209	28	13	1	0.5
	Ceftriaxone	52	1	2	2	4
	Ciprofloxacin	152	0	0	1	1
	Trimethoprim-Sulfamethoxazole	203	4	2	0	0
Shigella	Ampicillin	52	25	48	0	0
	Ceftriaxone	14	0	0	0	0
	Ciprofloxacin	39	6	15	0	0
	Trimethoprim-Sulfamethoxazole	58	50	86	0	0

# OVERVIEW (Cont.)



## OF NOTE

### Food Poisoning

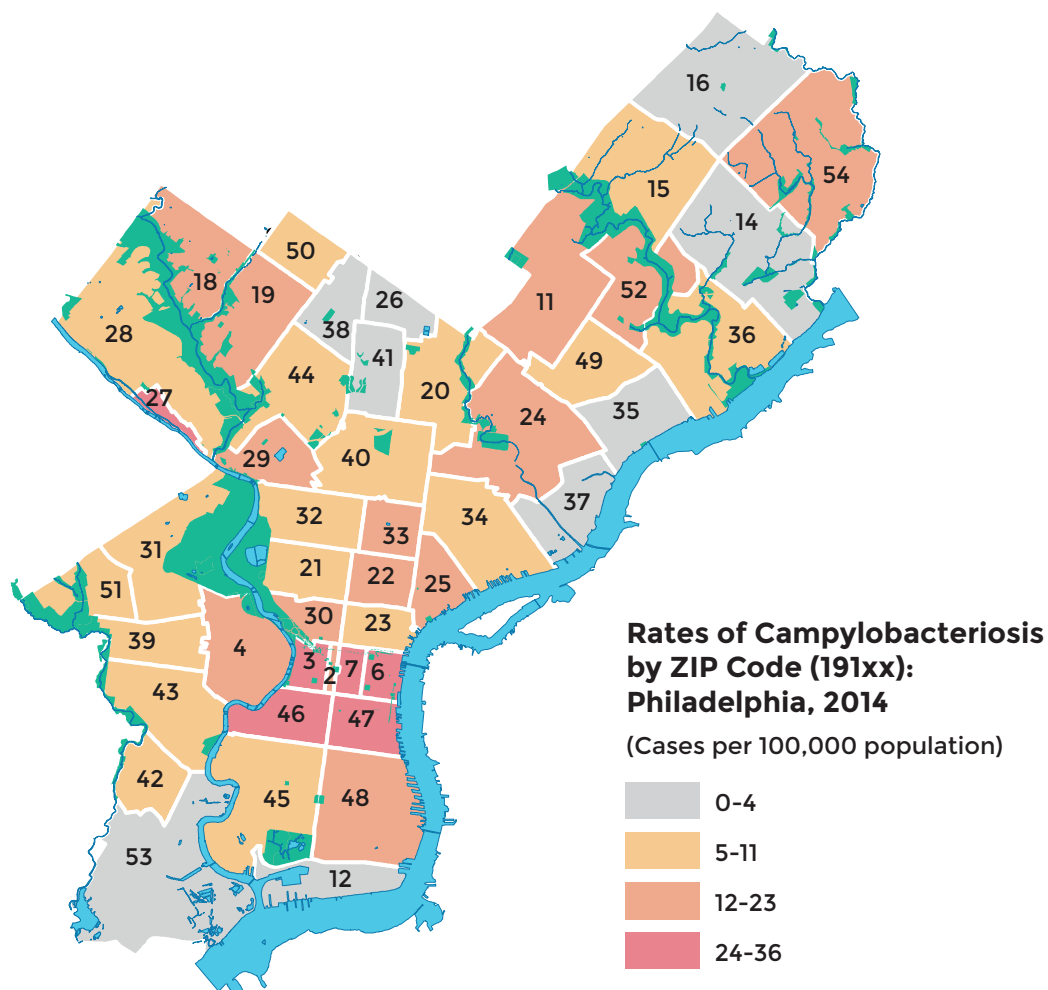
In 2014, PDPH investigated **foodborne illness complaints following a conference reception** (~50 attendees). Of the 40 attendees interviewed, 19 reported symptoms occurring 1-2 days after the reception including diarrhea, vomiting, and abdominal cramps. **No specific pathogen was identified and no food vehicle was confirmed as the source of illness.**

### Norovirus Outbreaks

For the 2013-2014 norovirus season, **13 outbreaks** occurring in long term care facilities were investigated.

# CAMPYLOBACTERIOSIS

(*Campylobacter* spp.)



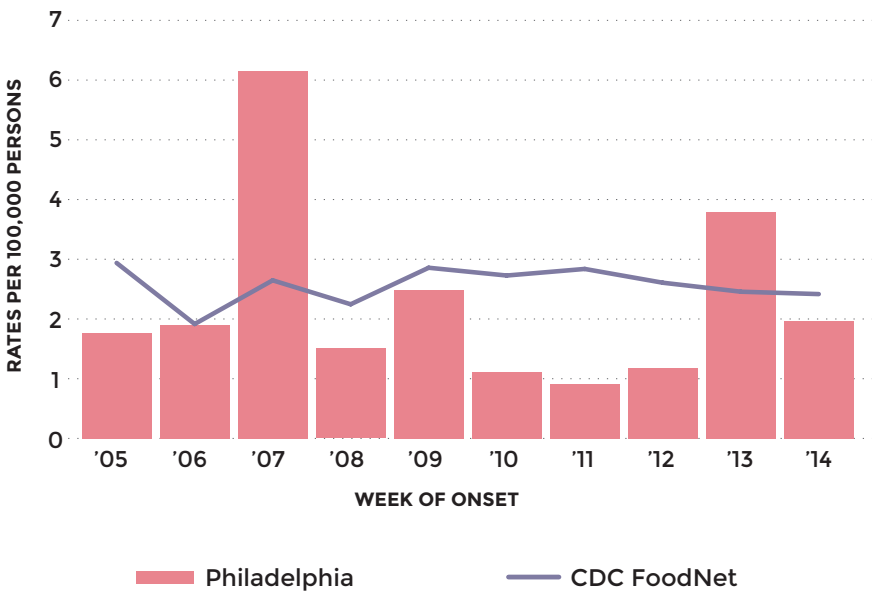
**Number of Campylobacteriosis Reports by Age and Gender: Philadelphia, 2014**

	0-4 Years		5-24 Years		25-49 Years		50-65 Years		65+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	9	5.4	13	7.8	35	21	14	8.4	7	4.2	78	46.7
<b>Female</b>	11	6.6	13	7.8	36	21.6	21	12.6	8	4.8	89	53.3
<b>Total</b>	20	12	26	15.6	71	42.5	35	21	15	9	167	100

# CRYPTOSPORIDIOSIS

(*Cryptosporidium spp.*)

Rates of Lab-Confirmed Cryptosporidiosis by Year of Report:  
Philadelphia, 2005-2014



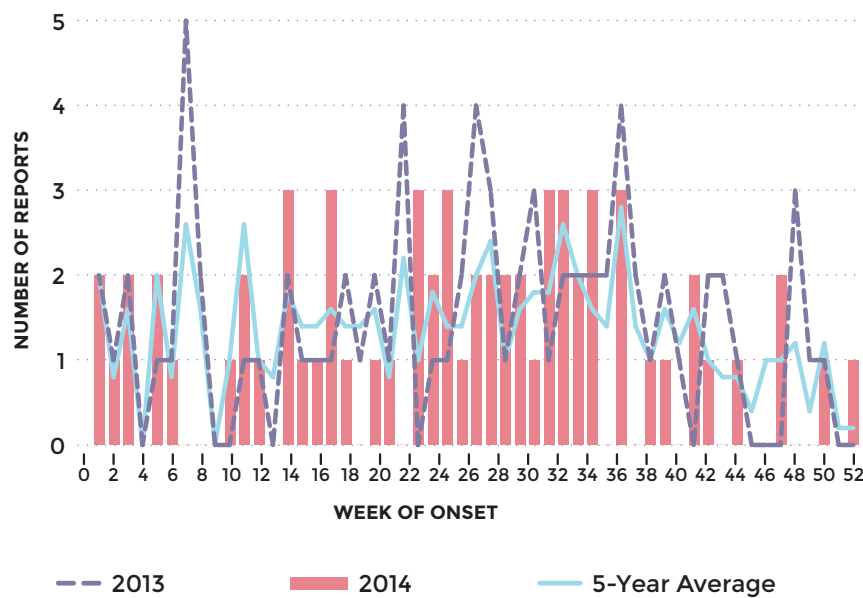
Number of Cryptosporidiosis Reports by Age and Gender:  
Philadelphia, 2014

	0-20 Years		21-34 Years		35+ Years		Total	
	n	%	n	%	n	%	n	%
Total	6	20	11	36.7	13	43.3	30	100

# GIARDIASIS

(*Giardia lamblia*)

Number of Giardiasis Reports by Week of Onset:  
Philadelphia, 2013, 2014, And 5-Year Moving Average

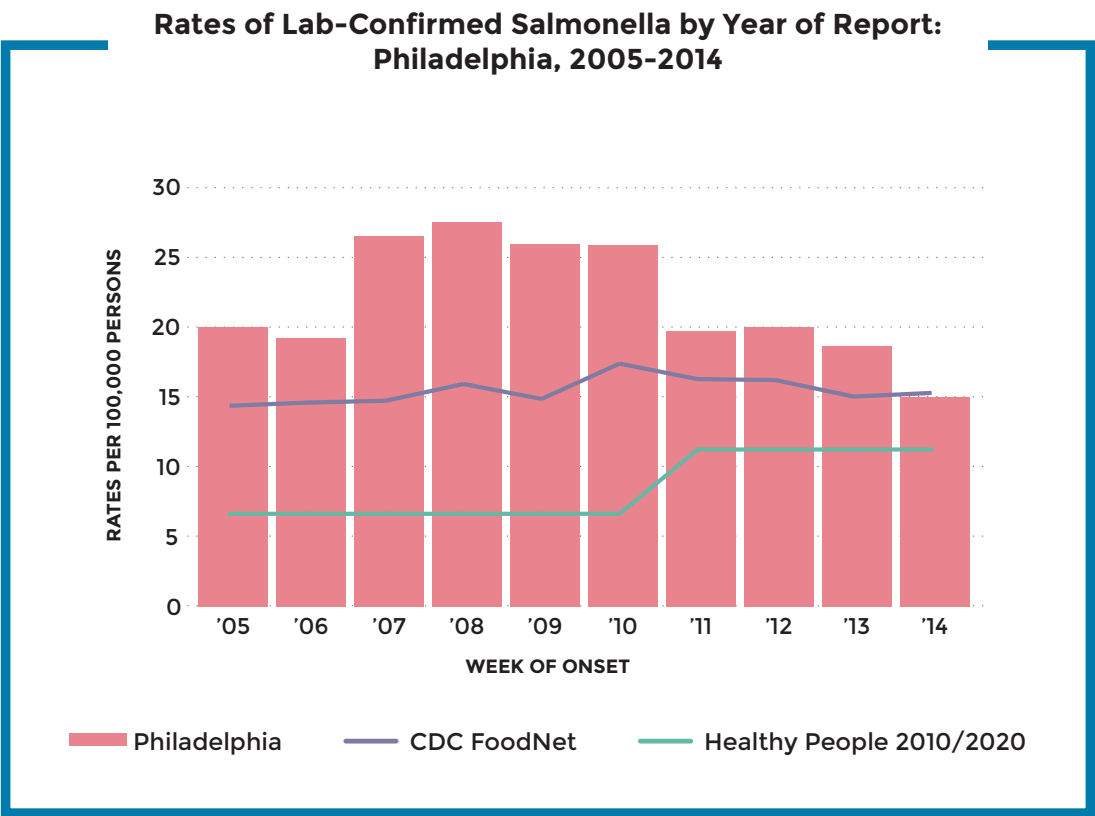


Number of Giardiasis Reports by Age and Gender:  
Philadelphia, 2014

	0-29 Years		30+ Years		Total	
	n	%	n	%	n	%
Male	26	40	22	33.8	48	73.8
Female	6	9.2	11	16.9	17	26.2
Total	32	49.2	33	50.8	65	100

# SALMONELLOSIS

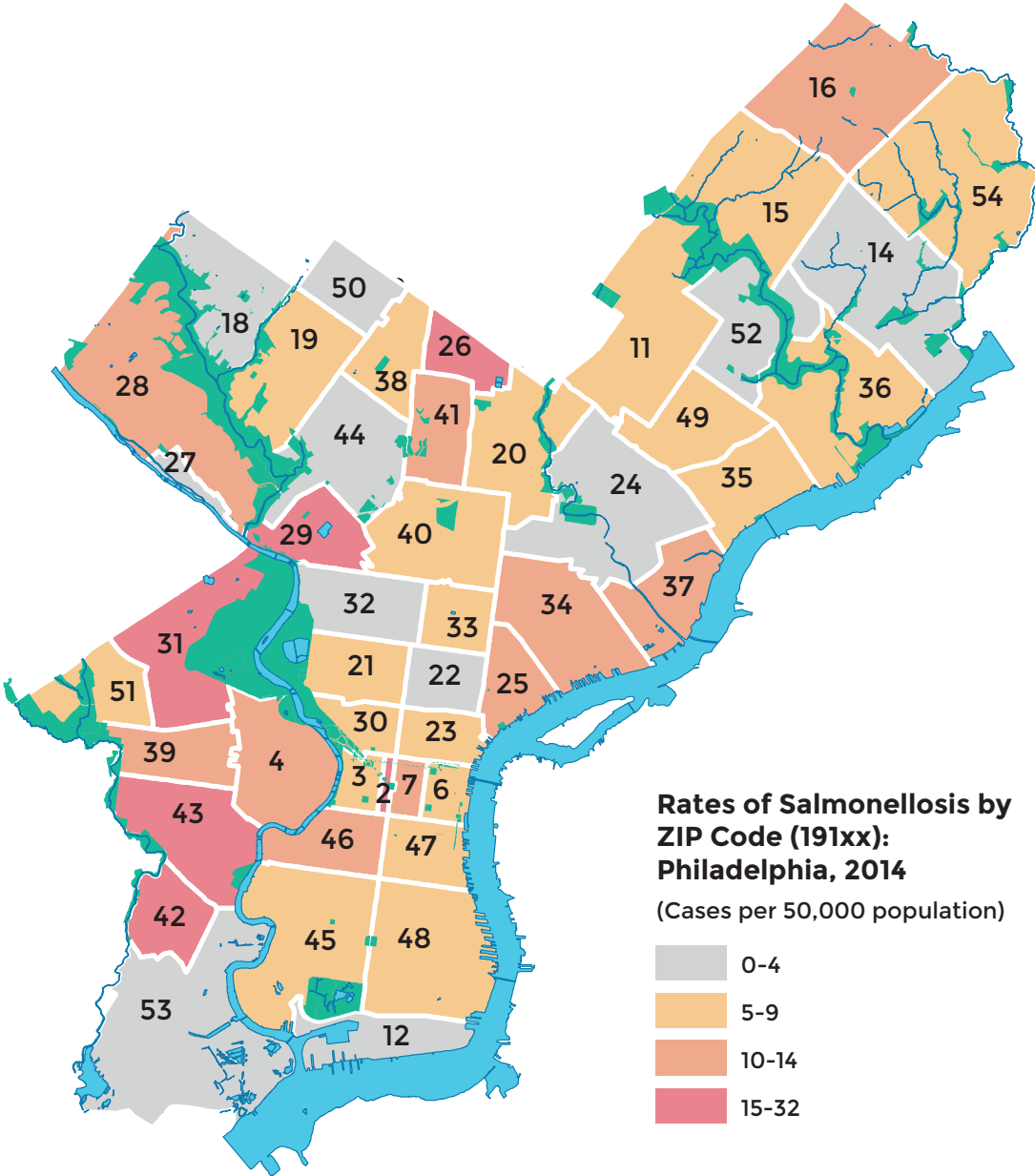
(*Salmonella* spp.)



**Number of Salmonellosis Reports by Age and Gender:  
Philadelphia, 2014**

	0-4 Years		5-17 Years		18-34 Years		35-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
Male	27	11.8	16	7	25	10.9	25	10.9	18	7.9	111	48.5
Female	28	12.2	15	6.6	32	14	25	10.9	18	7.9	118	51.5
Total	55	24	31	13.5	57	24.9	50	21.8	36	15.7	229	100

# SALMONELLOSIS (Cont.)

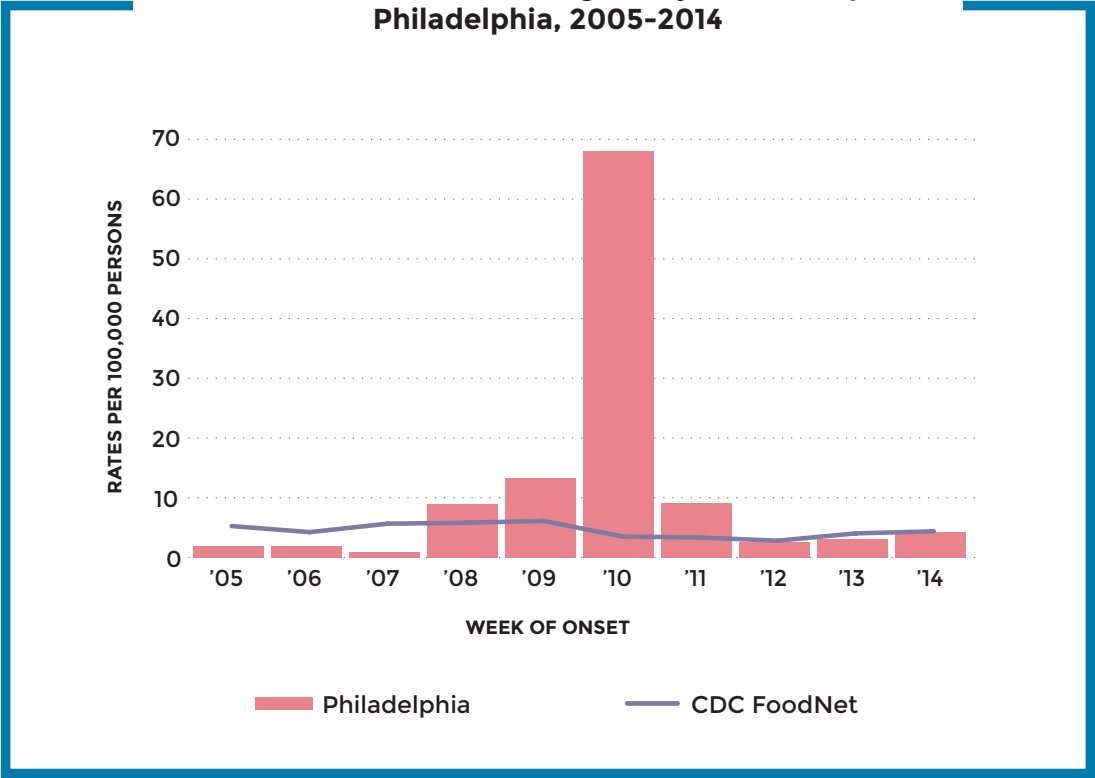




# SHIGELLOSIS

(*Shigella spp.*)

Rates of Lab-Confirmed Shigella by Year of Report:  
Philadelphia, 2005-2014



Number of Shigellosis Reports by Age and Gender:  
Philadelphia, 2014

	0-20 Years		21-44 Years		>45 Years		Total	
	n	%	n	%	n	%	n	%
Male	8	12.1	30	45.5	16	24.2	54	81.8
Female	6	9.1	<6		<6		12	18.2
Total	14	21.2					66	100



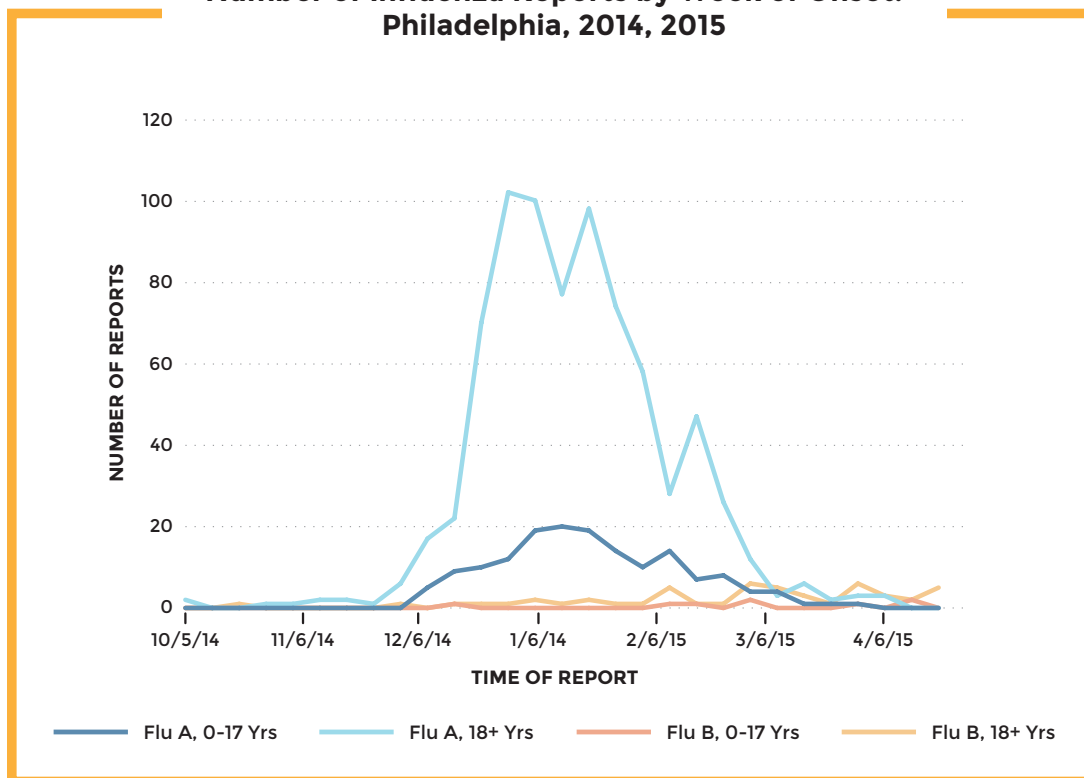
# RESPIRATORY

## INFECTIONS

INFLUENZA  
LEGIONELLOSIS  
TUBERCULOSIS

# INFLUENZA

**Number of Influenza Reports by Week of Onset:  
Philadelphia, 2014, 2015**



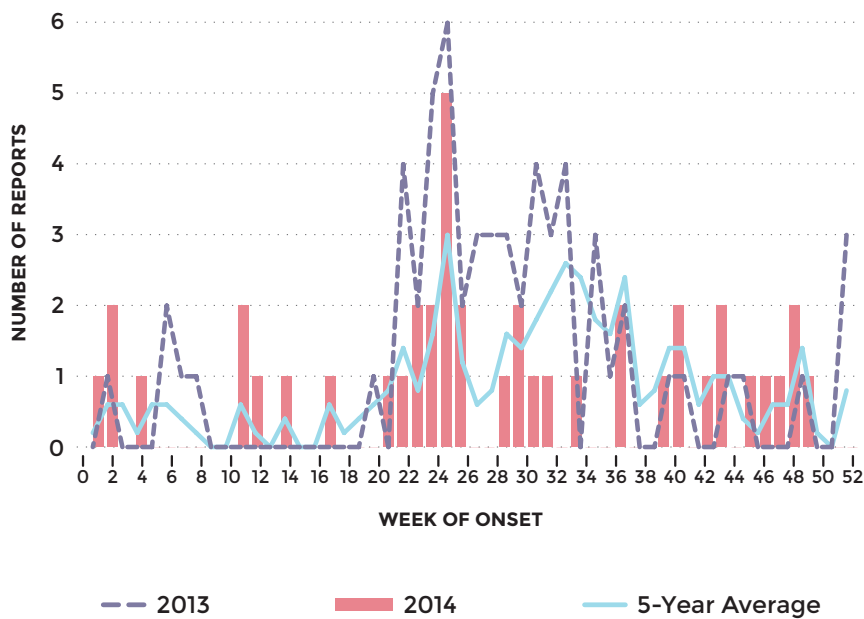
**Number of Hospitalized Influenza Reports by Age and Region:  
Philadelphia, 2014**

	NE		NW		N		CC		S		W/SW		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Age</b>														
<b>0-4 Yrs</b>	14	1.4	<6		57	5.8	<6		9	0.9	9	0.9	96	9.8
<b>5-17 Yrs</b>	11	1.1	<6		39	4.0	<6		5	0.5	10	1	70	7.1
<b>18-44 Yrs</b>	8	0.8	6	0.6	51	5.2	6	0.6	25	2.5	51	5.2	147	14.9
<b>45-64 Yrs</b>	19	1.9	5	0.5	55	5.6	6	0.6	34	3.5	69	7.0	188	19.1
<b>65+ Yrs</b>	74	7.5	42	4.3	92	9.3	41	4.2	97	9.9	138	14	484	49.1
<b>Total</b>	126	12.8	56	5.7	294	29.9	62	6.3	170	17.3	277	28.1	985	100

# LEGIONELLOSIS

(*Legionella pneumophila*)

Number of Legionellosis Reports by Week of Onset:  
Philadelphia, 2013, 2014, And 5-Year Moving Average

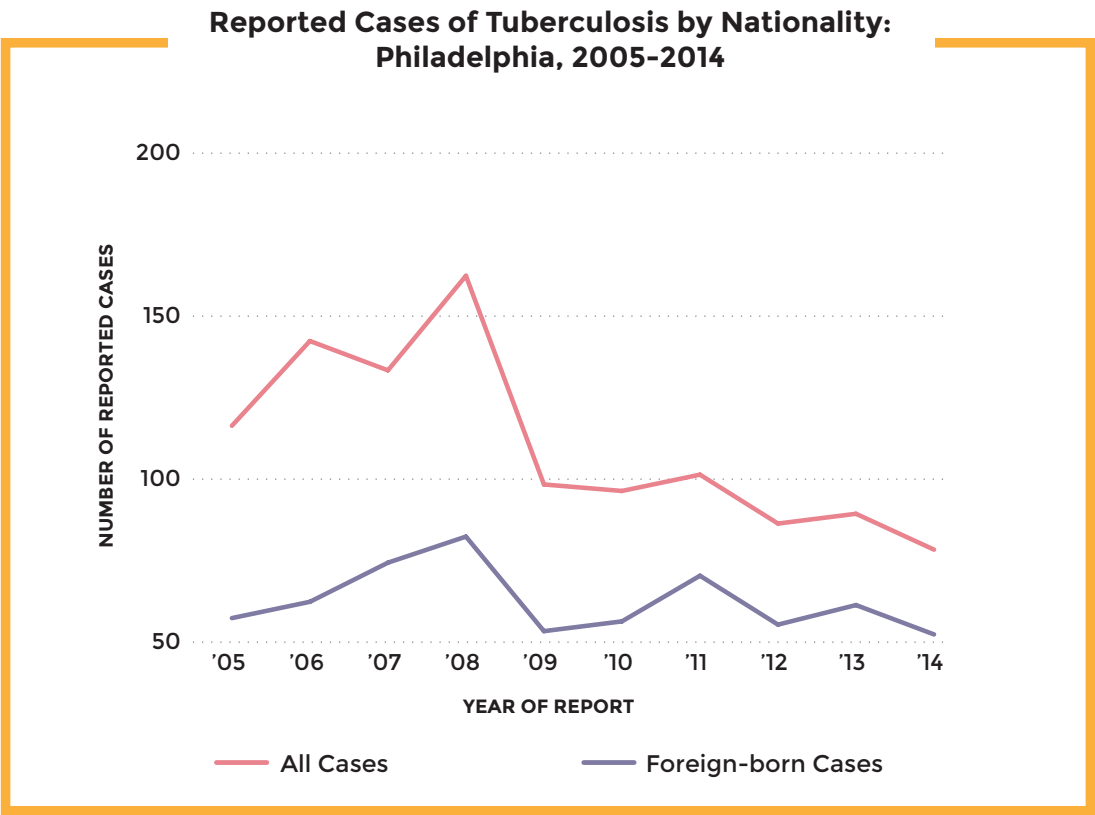


Number of Legionellosis Reports by Age and Gender:  
Philadelphia, 2014

	0-44 Years		45-64 Years		65+ Years		Total	
	n	%	n	%	n	%	n	%
Total	6	14.3	23	54.8	13	30.9	42	100

# TUBERCULOSIS

(*Mycobacterium tuberculosis*)



Number of Tuberculosis Reports by Age:  
Philadelphia, 2014

	0-24 Years		25-44 Years		44+ Years		Total	
	n	%	n	%	n	%	n	%
Total	8	10.3	19	24.4	51	65.4	78	100



# **5**

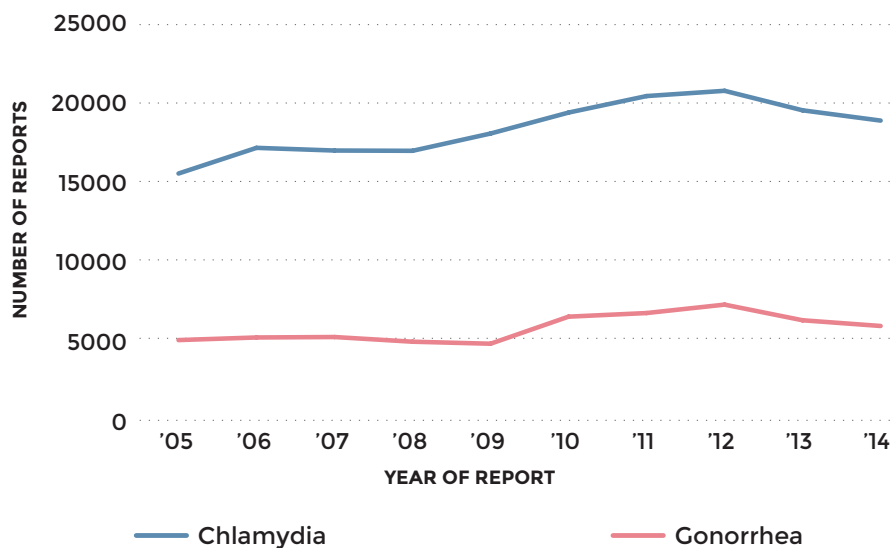
# **SEXUALLY TRANSMITTED**

## **DISEASES**

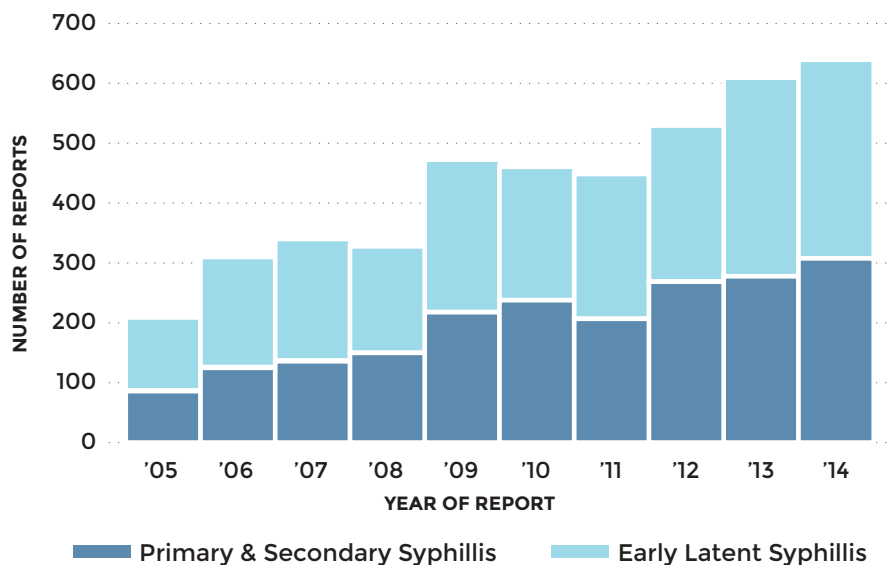
OVERVIEW  
CHLAMYDIA  
GONORRHEA  
SYPHILIS-PRIMARY & SECONDARY  
SYPHILIS-LATENT

# OVERVIEW

**Reported Chlamydia and Gonorrhea Cases:  
Philadelphia, 2005-2014**

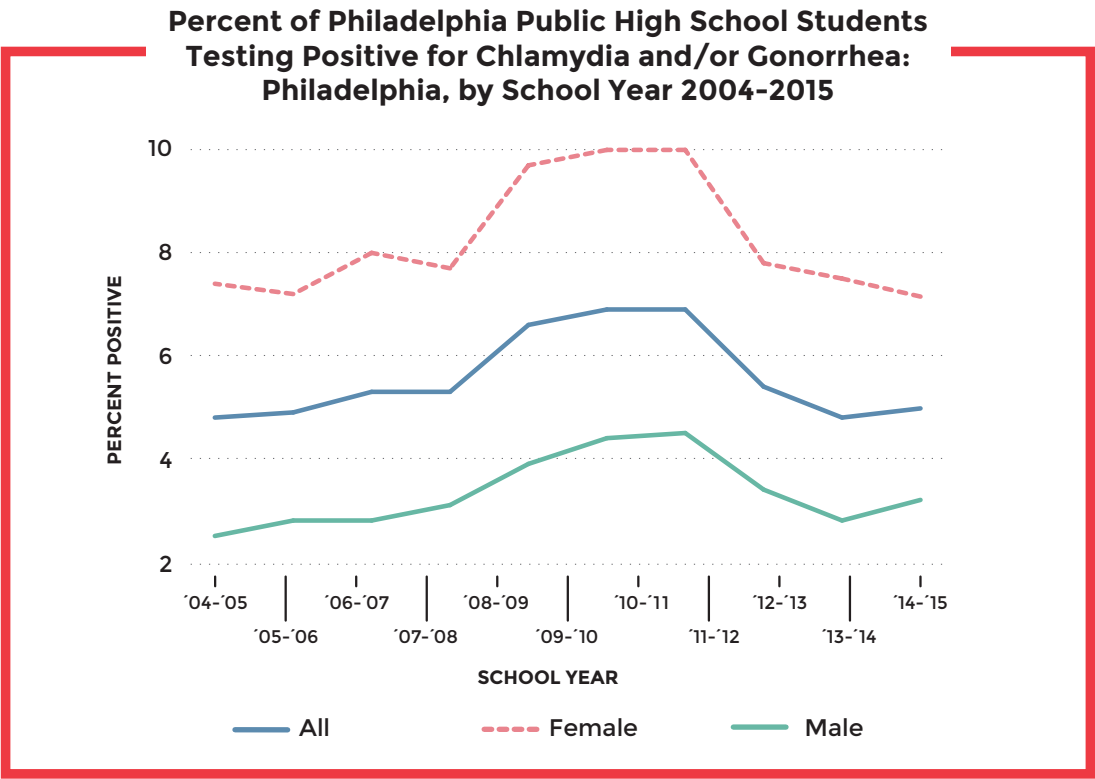


**Primary & Secondary and Early Latent Syphilis:  
Philadelphia, 2005-2014**





# OVERVIEW (Cont.)

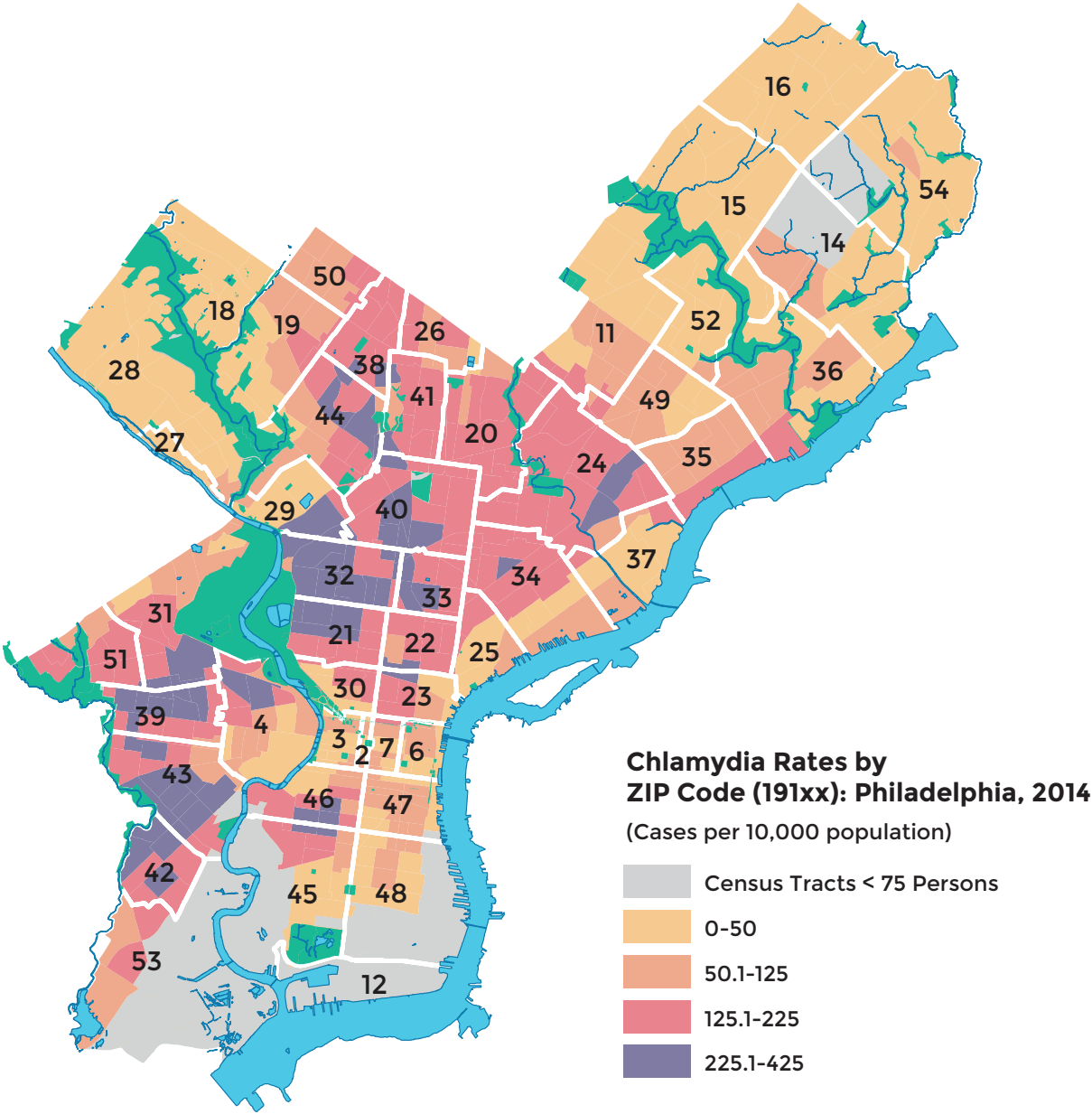


**Percent of Philadelphia Public High School Students Testing Positive for Chlamydia and/or Gonorrhea: Philadelphia, by School Year 2004-2015**

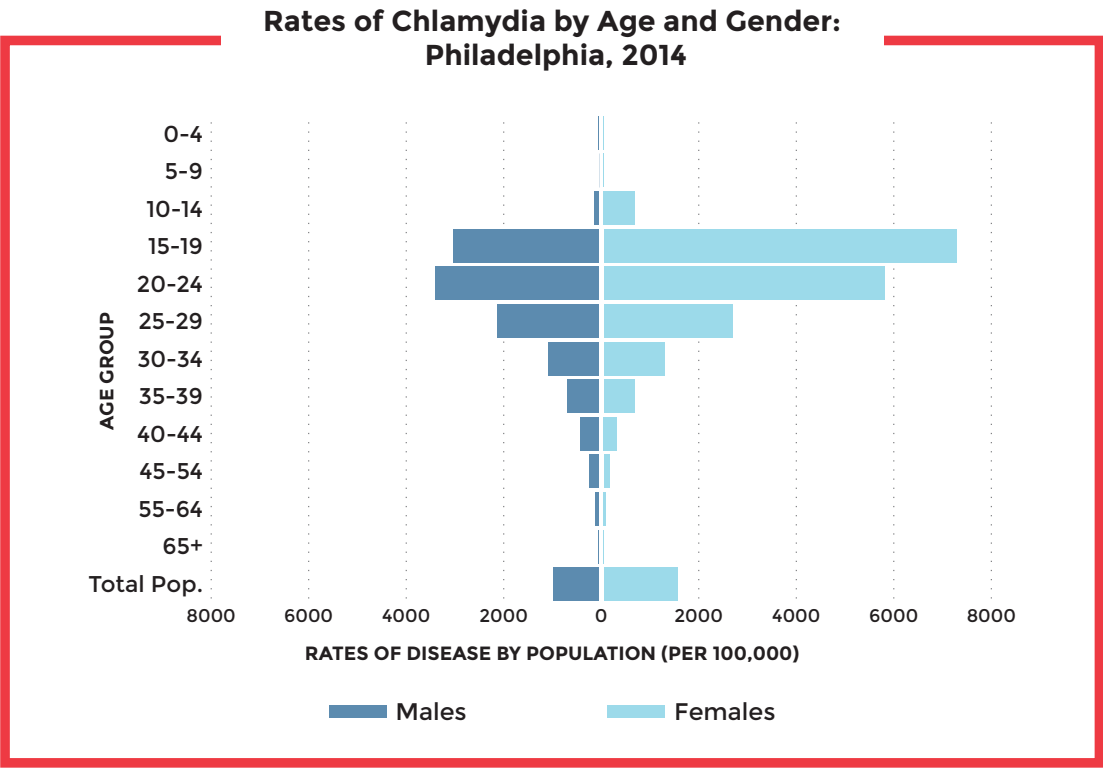
	04-05	05-06	06-07	07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15
	%	%	%	%	%	%	%	%	%	%	%
Male	2.3	2.5	2.8	2.8	3.1	3.9	4.4	4.5	3.4	2.8	3.1
Female	6.3	7.4	7.2	8	7.7	9.7	10	10	7.8	7.5	7.1
Total	4.2	4.8	4.9	5.3	5.3	6.6	6.9	6.9	5.4	4.8	4.9

# CHLAMYDIA

(*Chlamydia trachomatis*)



# CHLAMYDIA (Cont.)



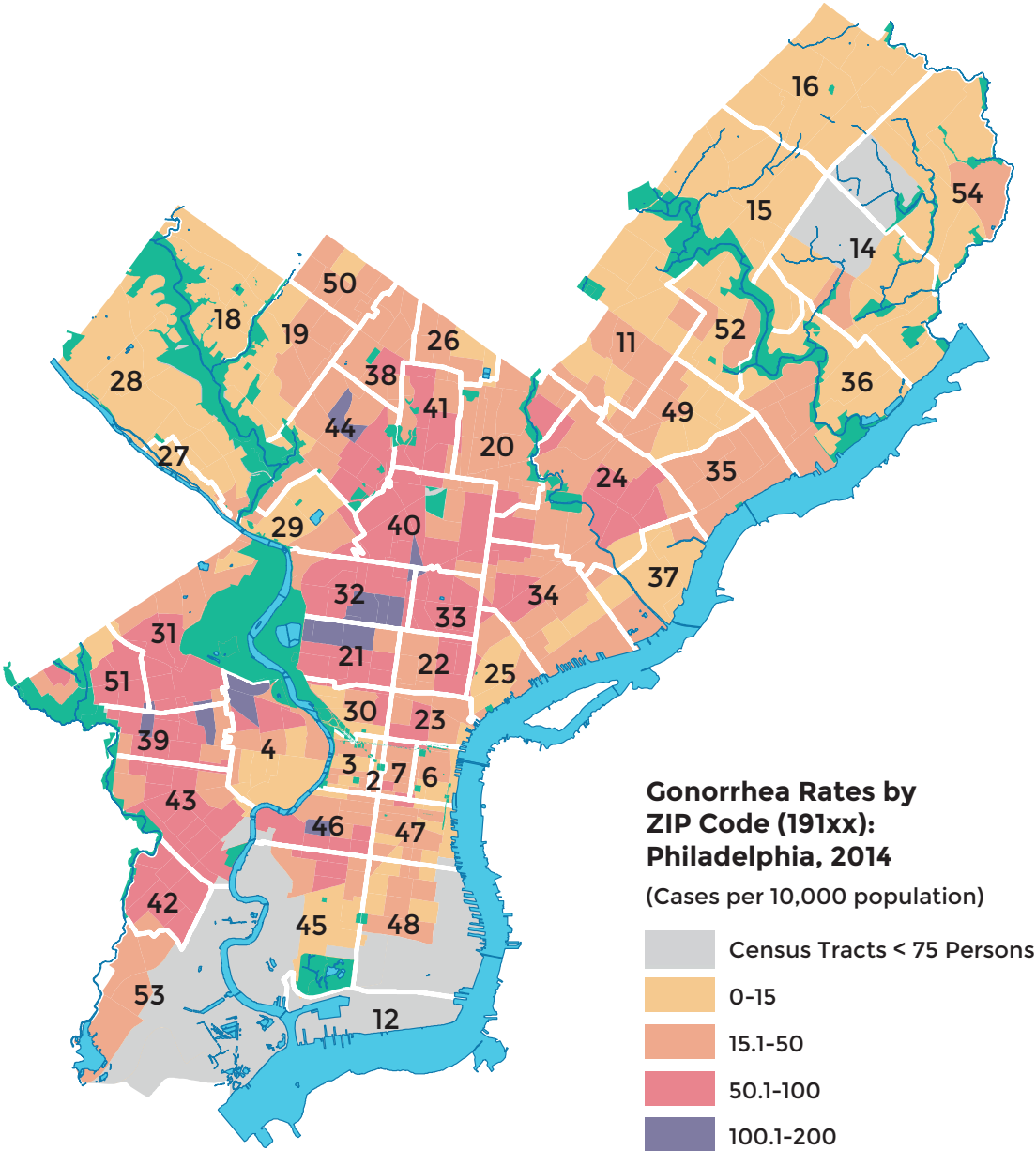
**Number of Chlamydia Reports by Age, Gender, and Region:  
Philadelphia, 2014**

	NE		NW		N		CC		S		W/SW		Total*	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Male														
0-14 Yrs	6	0	<6		28	0	<6		<6		10	0	48	0
15-19 Yrs	124	1	57	0	946	5	38	0	112	1	465	2	1742	9
20-24 Yrs	247	1	74	0	1213	6	68	0	169	1	617	3	2388	13
25-34 Yrs	143	1	68	0	832	4	129	1	242	1	478	3	1892	10
35+ Yrs	56	0	30	0	321	2	61	0	91	0	148	1	707	4
Female														
0-14 Yrs	27	0	6		146	1	6		21		85	0	290	2
15-19 Yrs	377	2	131	1	2333	12	61	0	275	1	1144	6	4321	23
20-24 Yrs	440	2	165	1	2161	11	120	1	298	2	1158	6	4342	23
25-34 Yrs	275	1	106	1	1206	6	107	1	238	1	641	3	2574	14
35+ Yrs	71	0	25	0	324	2	26	0	43	0	109	1	598	3
Grand Total	1766	9	662	3	9510	50	616	3	1491	8	4856	26	18902	100

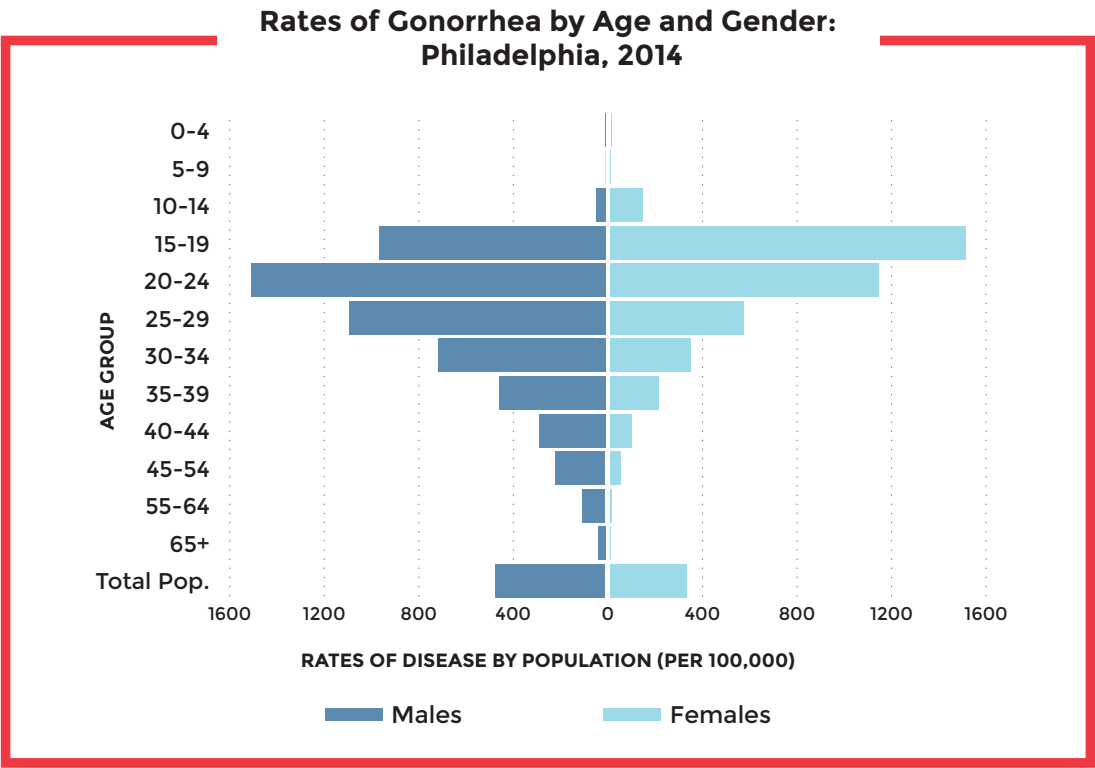
\*unknown=33

# GONORRHEA

(*Neisseria gonorrhoeae*)



# GONORRHEA (Cont.)



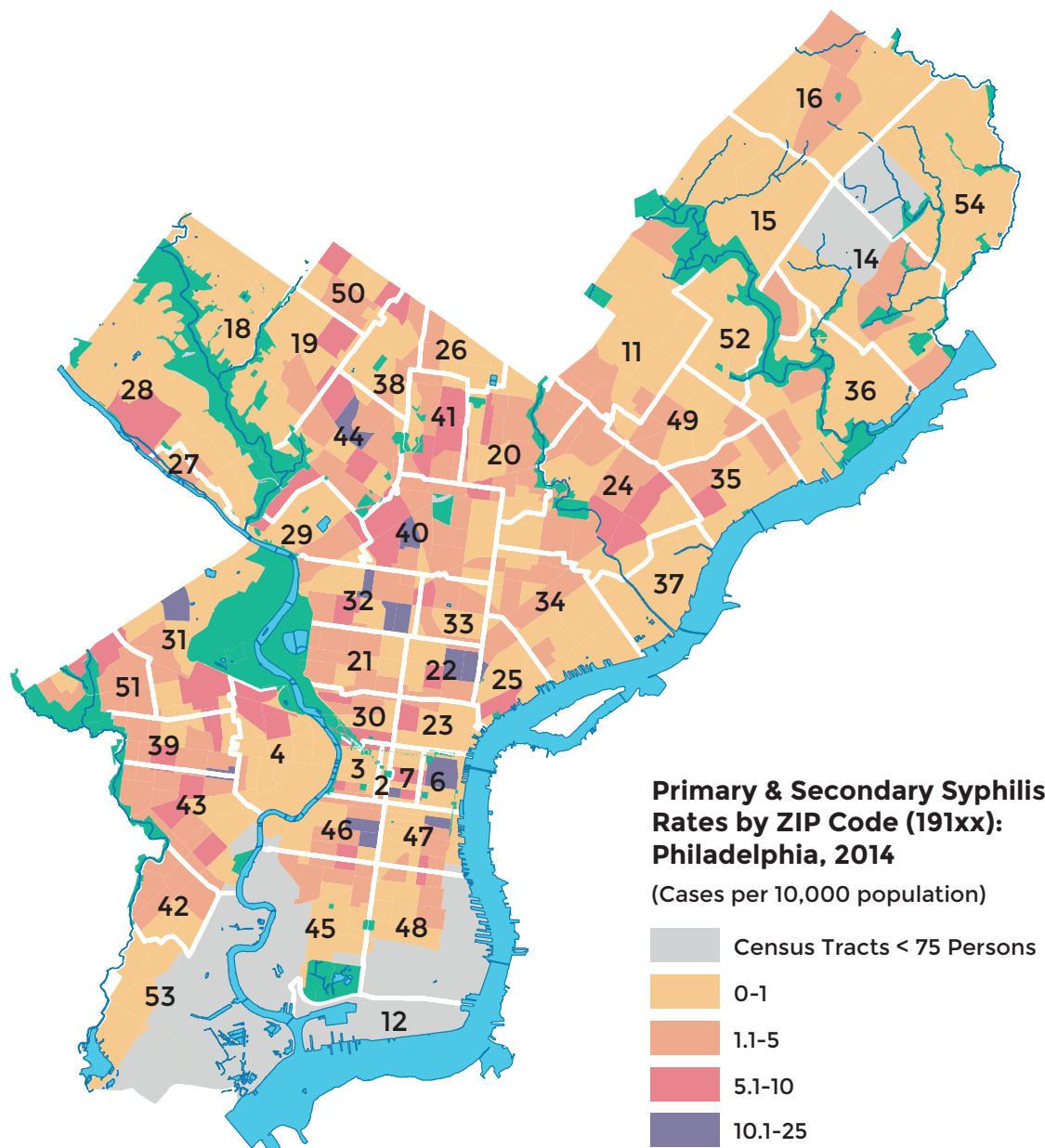
**Number of Gonorrhea Reports by Age, Gender, and Region:  
Philadelphia, 2014**

	NE		NW		N		CC		S		W/SW		Total*	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Male														
0-14 Yrs	<6		<6		15	0	<6		<6		<6		19	0
15-19 Yrs	32	1	18	0	289	5	19	0	42	1	159	3	559	9
20-24 Yrs	98	2	30	1	535	9	60	1	85	1	260	4	1068	18
25-34 Yrs	94	2	37	1	444	7	88	1	137	2	274	5	1074	18
35+ Yrs	47	1	20	0	275	5	47	1	94	2	136	2	619	10
Female														
0-14 Yrs	<6		<6		39	1	<6		<6		<25		64	1
15-19 Yrs	70	1	22	0	463	8	16	0	49	1	280	5	900	15
20-24 Yrs	57	1	22	0	435	7	10	0	51	1	282	5	857	14
25-34 Yrs	58	1	14	0	302	5	11	0	43	1	166	3	594	10
35+ Yrs	20	0	6	0	105	2	<6		18	0	45	1	198	3
Grand Total	483	8	172	3	2902	49	256	5	525	9	1614	27	5952	100

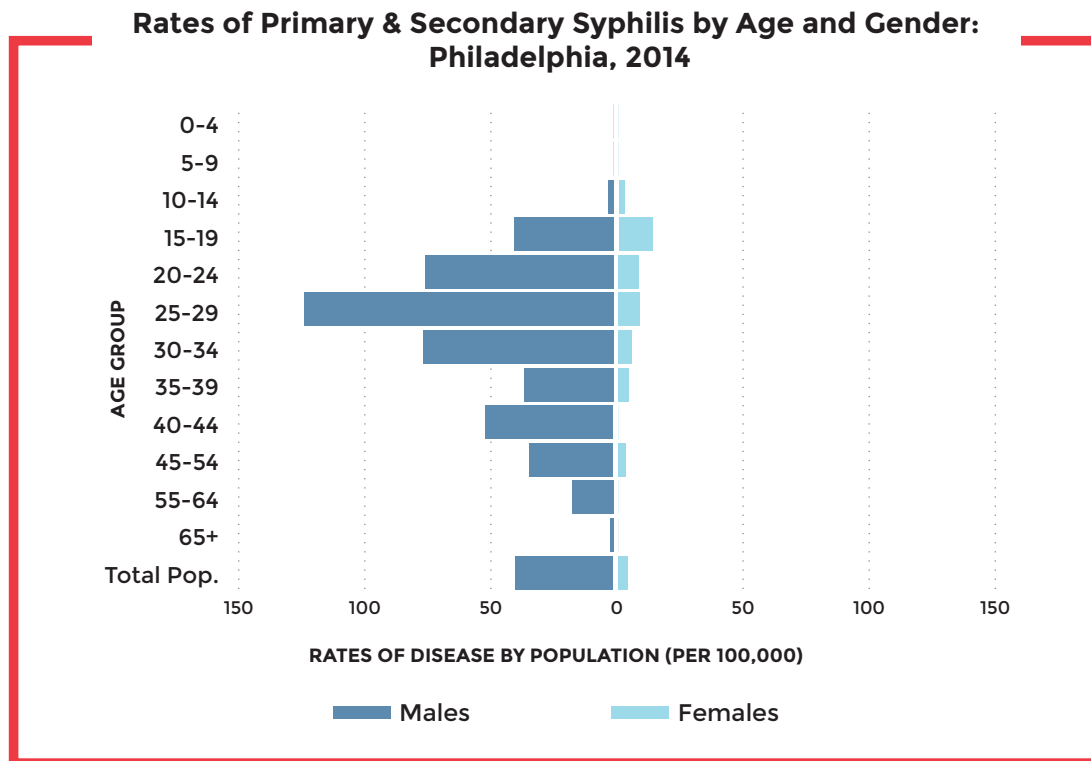
\*unknown=9

# SYPHILIS-PRIMARY & SECONDARY

(*Treponema pallidum*)



# SYPHILIS-PRIMARY & SECONDARY (Cont.)



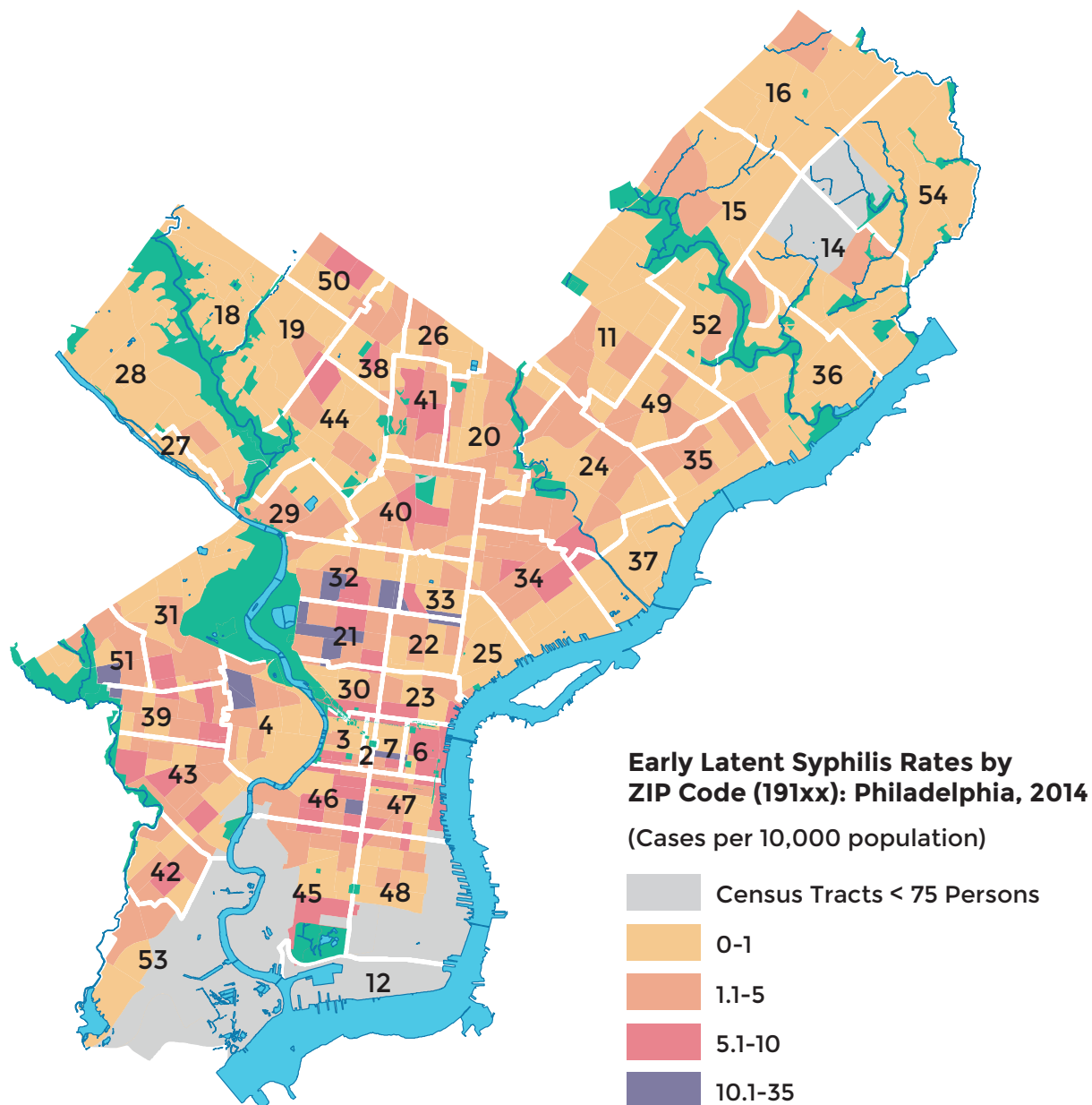
**Number of Primary & Secondary Syphilis Reports by Age and Region:  
Philadelphia, 2014**

	NE		NW		N		CC		S		W/SW		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Age</b>														
0-24 Yrs	<6		<6		55	17	<10		8	3	16	5	92	30
25-34 Yrs	13	4	<6		55	18	<10		12	4	34	11	128	42
35+ Yrs	<6		<10		28	9	12	4	18	6	18	6	88	29
<b>Total</b>	23	7	14	5	138	45	27	9	38	12	68	22	308	100

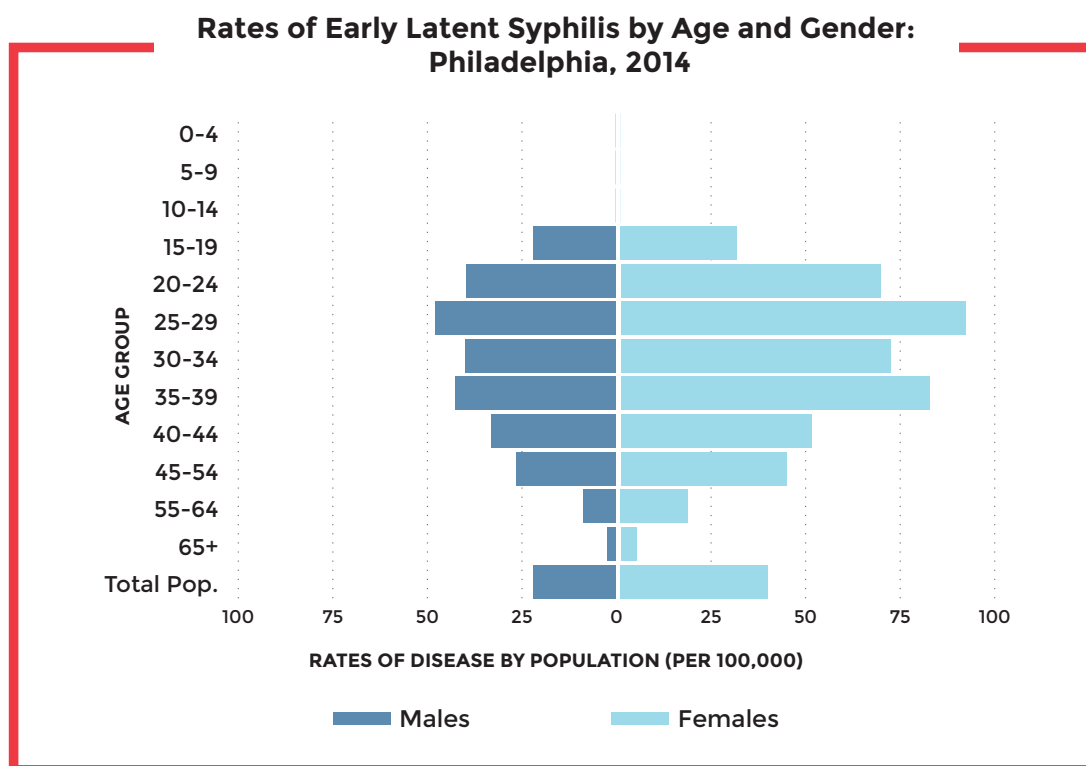


# SYPHILIS-EARLY LATENT

(*Treponema pallidum*)



# SYPHILIS-EARLY LATENT (Cont.)



**Number of Early Latent Syphilis Reports by Age and Region:  
Philadelphia, 2014**

	NE		NW		N		CC		S		W/SW		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Age</b>														
0-24 Yrs	9	3	<6		43	13	<6		<6		25	8	84	25
25-34 Yrs	<6		<6		50	15	<20		<20		26	8	109	33
35+ Yrs	<6		<6		48	14	19	6	36	11	26	8	139	42
<b>Total</b>	19	6	8	2	141	42	30	9	57	17	77	23	332	100



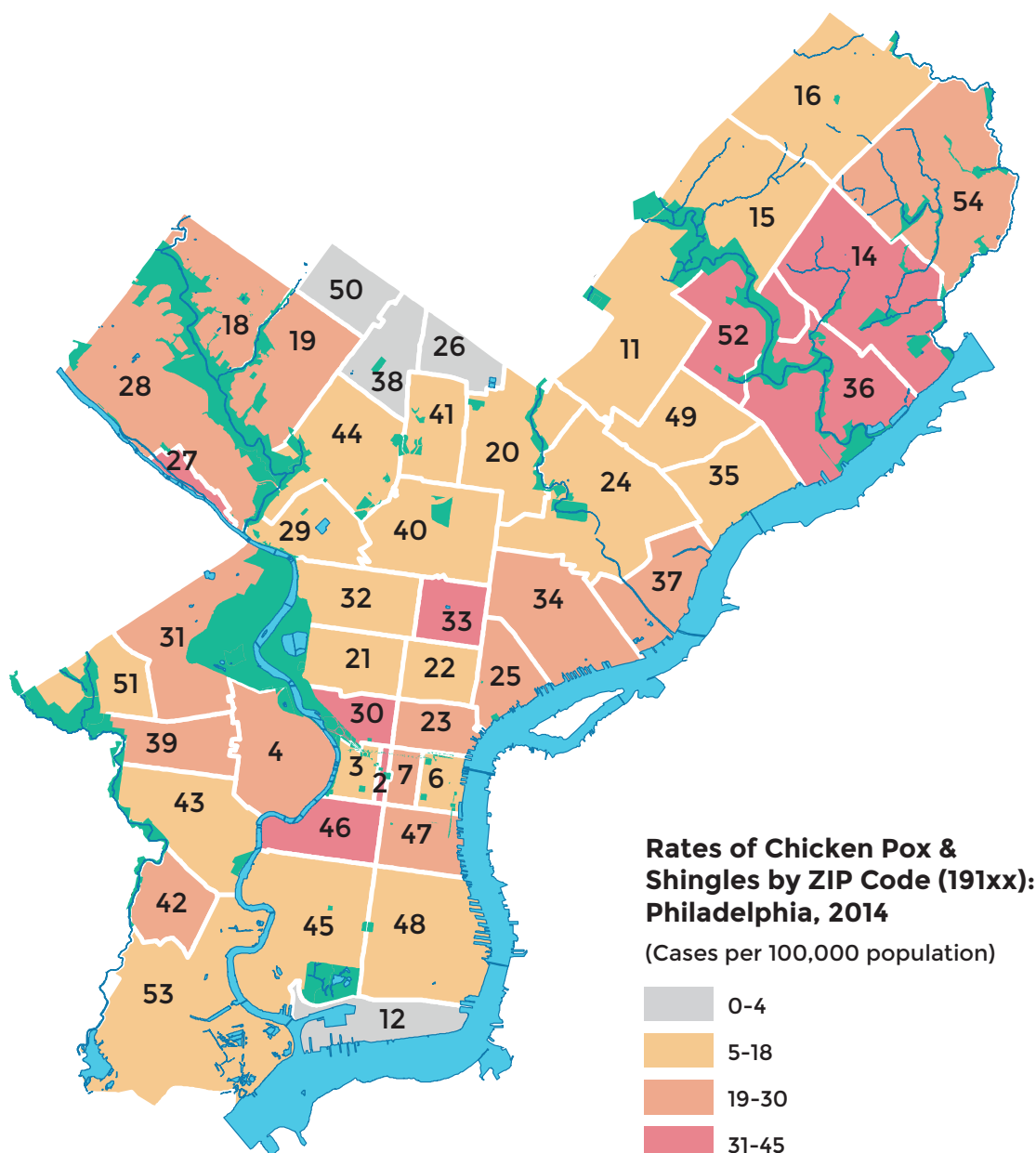
# **VACCINE- PREVENTABLE**

**DISEASES**

CHICKEN POX & SHINGLES  
MENINGOCOCCAL DISEASE  
PERTUSSIS

# CHICKEN POX & SHINGLES

(Varicella zoster virus)



# CHICKEN POX & SHINGLES (Cont.)

**Number of Chicken Pox Reports by Age and Gender:  
Philadelphia, 2014**

	0-4 Years		5-17 Years		18-30 Years		30+ Years		Total	
	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	29	24.6	19	16.1	6	5.1	8	6.8	62	52.5
<b>Female</b>	18	15.3	16	13.6	10	8.5	12	10.2	56	47.5
<b>Total</b>	47	39.8	35	29.7	16	13.6	20	16.9	118	100

## OF NOTE

In 2014, an outbreak of 8 varicella cases occurred in a school (K-8). Seven of these individuals (children between 6-9 years old) were **unvaccinated due to religious or philosophical exemptions**, and half lived outside of Philadelphia. The school's varicella vaccination coverage rates were low (2-dose coverage at 38%, 1-dose at 19%, and 39% with no doses). Estimated 2-dose coverage was 84% for all PA kindergarteners during the 2013-14 school year.

**Number of Shingles Reports by Age and Gender:  
Philadelphia, 2014**

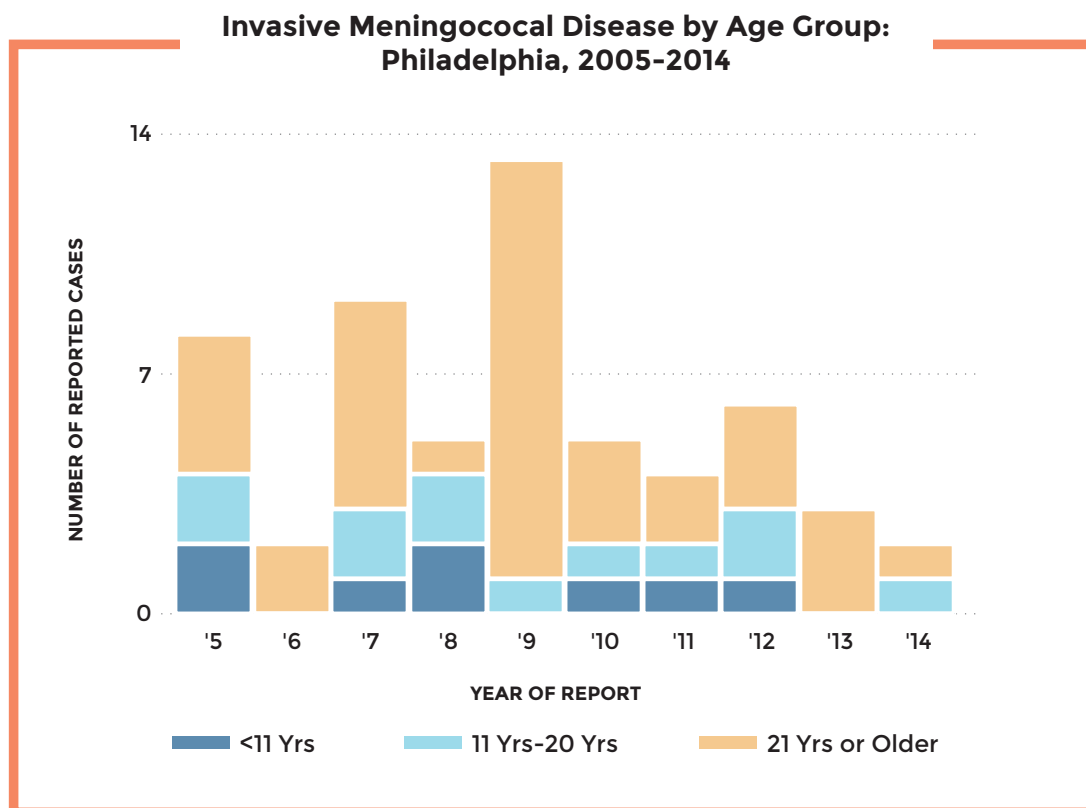
	0-14 Years		15-30 Years		31-45 Years		46-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	6	3.6	9	5.3	17	10.1	16	9.5	24	14.2	72	42.6
<b>Female</b>	10	5.9	15	8.9	17	10.1	28	16.6	27	16	97	57.4
<b>Total</b>	16	9.5	24	14.2	34	20.1	44	26	51	30.2	169	100

## OF NOTE

In 2014, out of 10 kids diagnosed with shingles under the age of 11, 9 were vaccinated and 1 was unknown.

# MENINGOCOCCAL DISEASE

(*Neisseria meningitidis*)

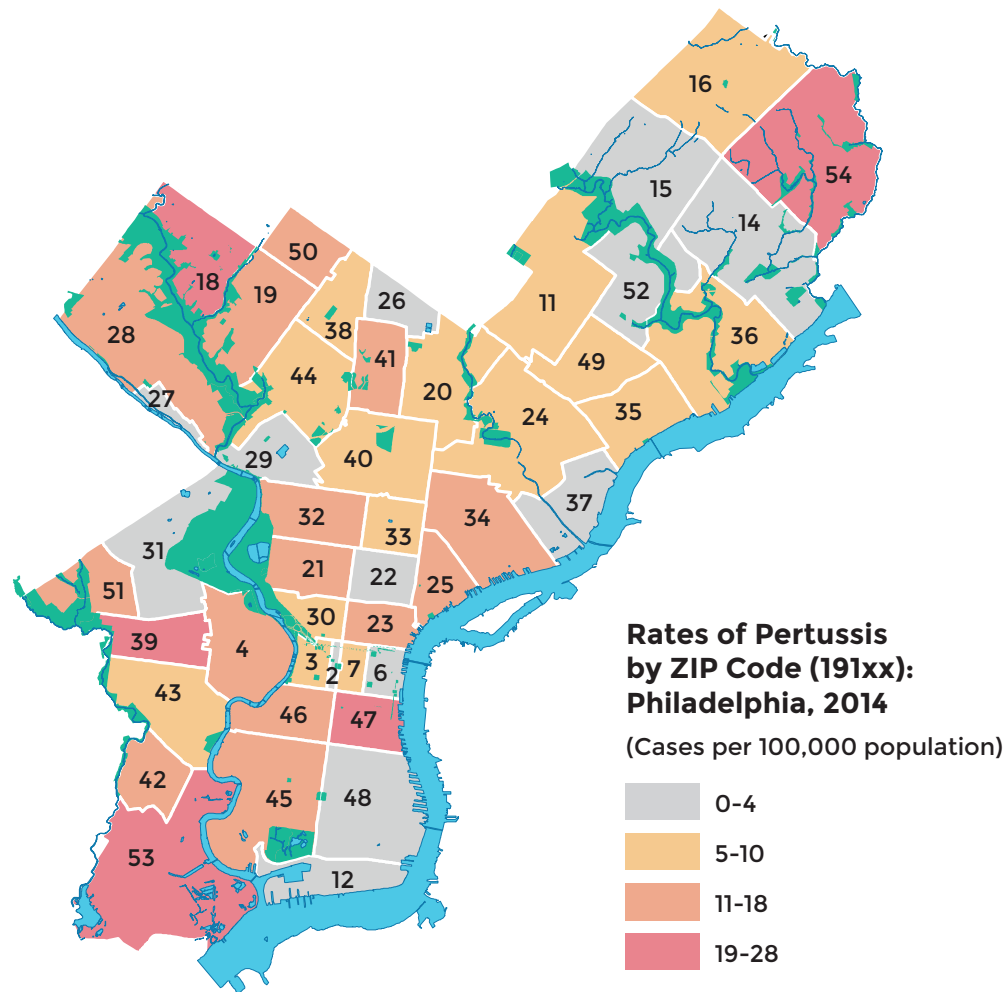


**Reports of Meningococcal Disease by Serogroup Per Year:  
Philadelphia, 2005-2014**

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total N (%)
<b>Serogroup</b>											
B	1	0	0	1	8	1	1	2	0	1	15 (26%)
C	0	0	4	0	1	1	0	1	0	0	7 (13%)
W	0	1	0	0	1	0	0	0	0	0	2 (4%)
X	0	0	0	0	0	0	1	0	0	0	1 (2%)
Y	4	0	2	2	2	2	2	2	2	0	18 (32%)
Z	0	0	1	0	0	0	0	0	0	0	1 (2%)
Nontypeable	3	1	2	2	0	1	0	1	1	1	12 (21%)
<b>Total</b>	<b>8</b>	<b>2</b>	<b>9</b>	<b>5</b>	<b>12</b>	<b>5</b>	<b>4</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>56 (100%)</b>

# PERTUSSIS

(*Bordetella pertussis*)



Number of Pertussis Reports by Age and Gender: Philadelphia, 2014

	0-4 Years		5-17 Years		18-44 Years		45+ Years		Total	
	n	%	n	%	n	%	n	%	n	%
Male	24	18.9	26	20.5	6	4.7	6	4.7	62	48.8
Female	16	12.6	27	21.3	12	9.4	10	7.9	65	51.2
Total	40	31.5	53	41.7	18	14.2	16	12.6	127	100

OF NOTE

Of the 39 confirmed and probable cases under the age of four, 6 (15%) were too young to receive pertussis containing vaccine (younger than 2 months of age), and 21 (54%) were under vaccinated when they became symptomatic.



# VECTOR- BORNE

DISEASES

BABESIA  
CHIKUNGUNYA  
LYME DISEASE  
MALARIA  
WEST NILE VIRUS



# BABESIOSIS

(*Babesia microti*)

## OF NOTE

In 2014, a possible **transfusion-associated babesiosis** case was identified in an adult resident who had received blood transfusions prior to symptom onset. An **American Red Cross investigation** of products received by the individual identified a donor with positive results for *Babesia*, which supports the theory of **transfusion-associated babesiosis**.

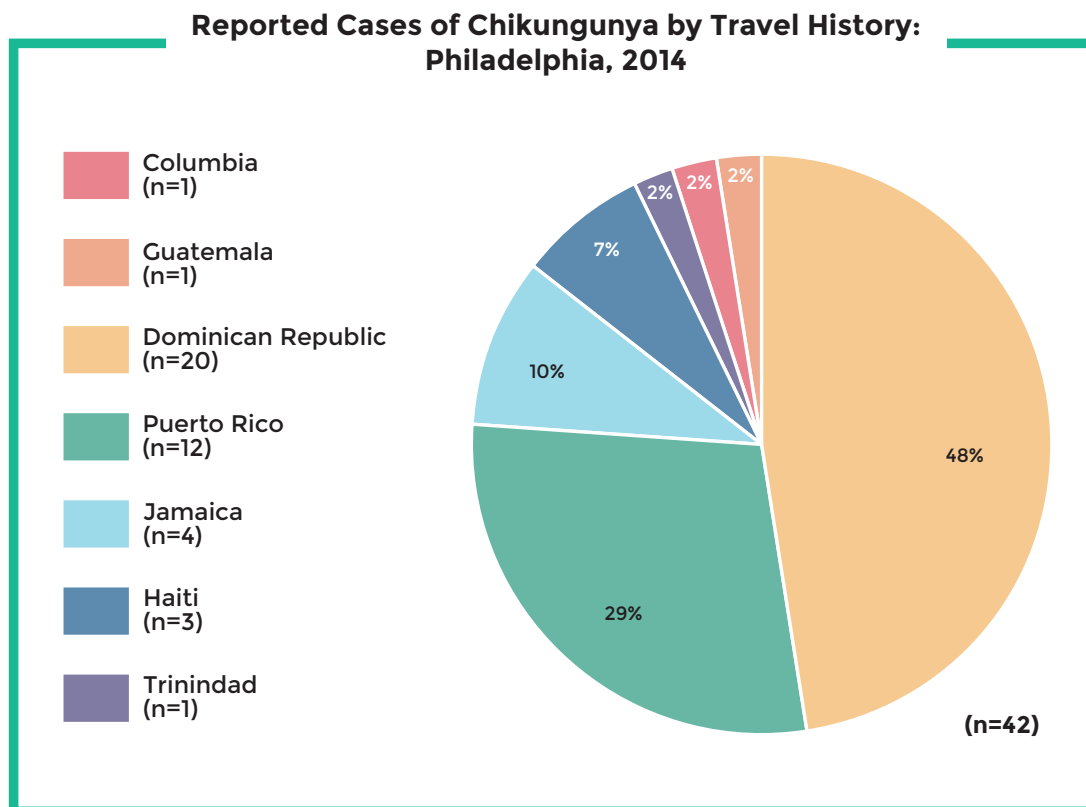
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# CHIKUNGUNYA VIRUS

## OF NOTE

With its emergence in the Western Hemisphere in late 2013, chikungunya virus quickly became a significant source of travel-related infection. PDPH identified **42 travel-related cases of chikungunya** from late May through December 2014. Median age of affected individuals was 43 years (range: 5-78 years). **Over two-thirds (69%) were born in the Caribbean** and were visiting Philadelphia.

# CHIKUNGUNYA VIRUS (Cont.)

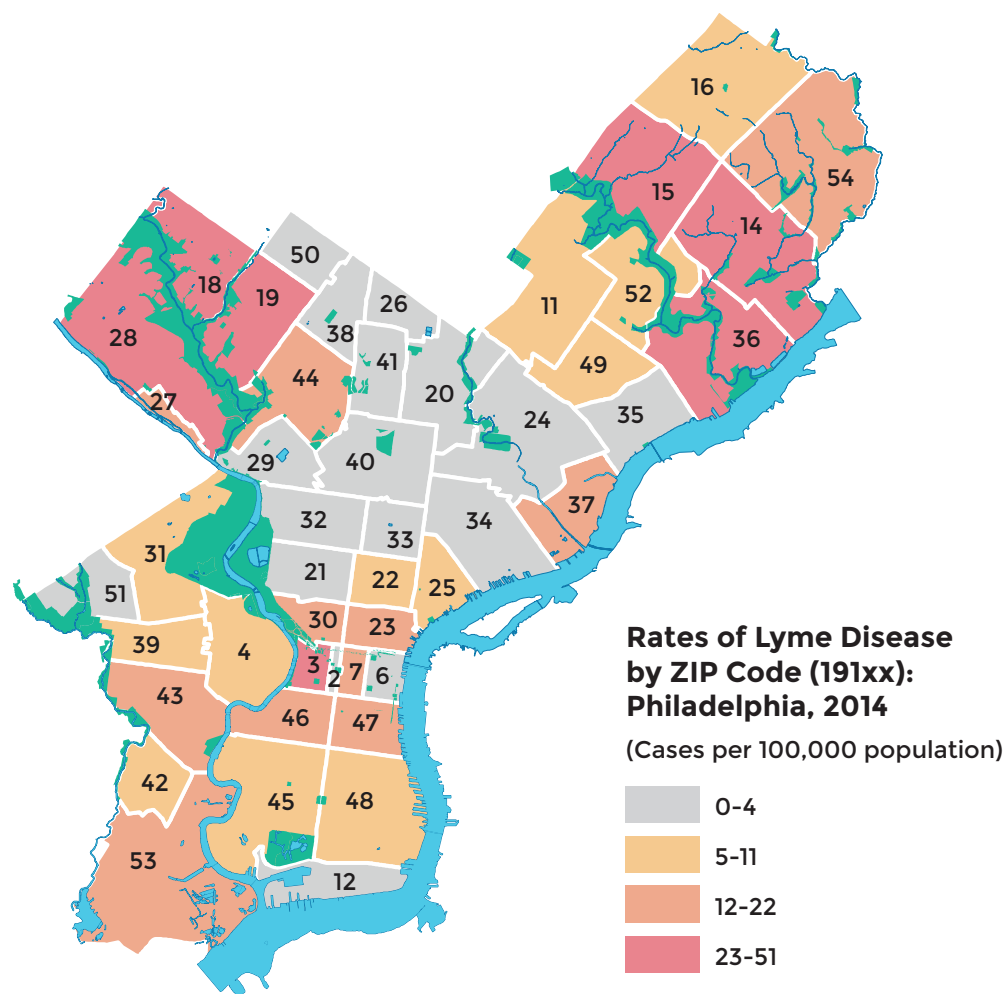


**Number of Chikungunya Reports:  
Philadelphia, 2014**

	0-17 Years		18-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%
<b>Total</b>	6	14.3	30	71.4	6	14.3	42	100

# LYME DISEASE

(*Borrelia burgdorferi*)

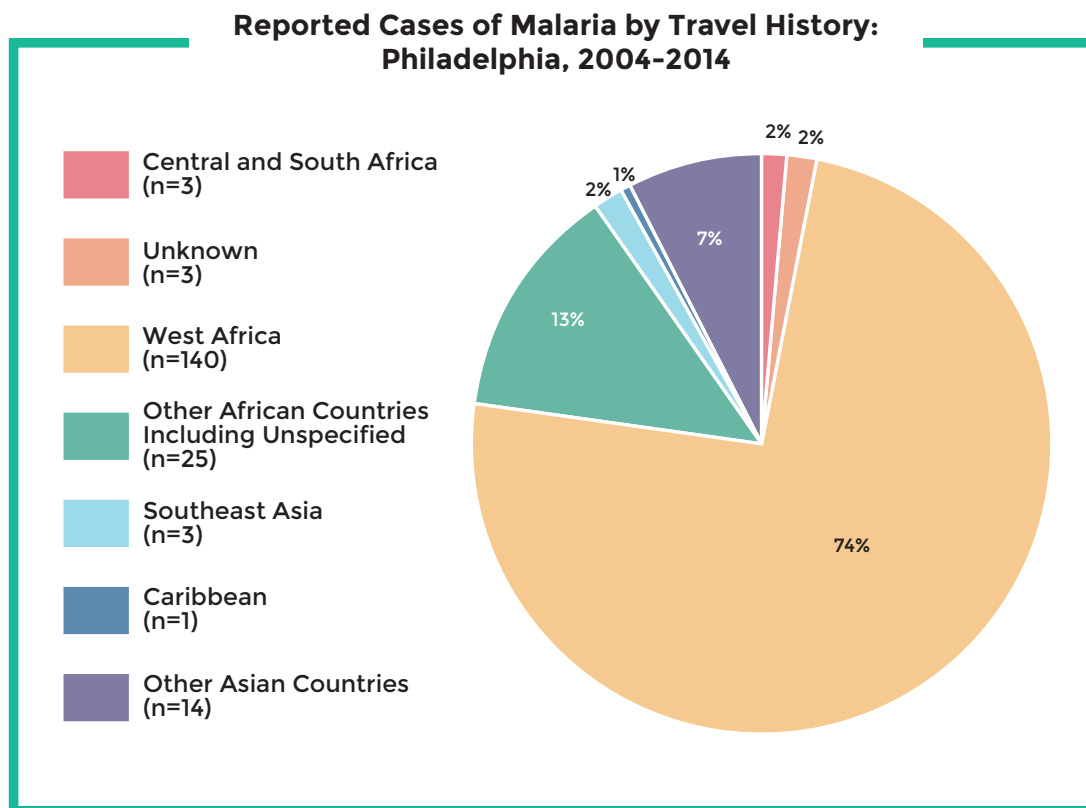


Number of Lyme Disease Reports by Age and Gender:  
Philadelphia, 2014

	0-14 Years		15-34 Years		35-60 Years		61+ Years		Total	
	n	%	n	%	n	%	n	%	n	%
Male	18	12.9	27	19.3	23	16.4	11	7.9	79	56.4
Female	21	15.0	17	12.1	15	10.7	8	5.7	61	43.6
Total	39	27.9	44	31.4	38	27.1	19	13.6	140	100

# MALARIA

(*Plasmodia spp.*)



# WEST NILE VIRUS

## OF NOTE

During the 2014 season, **4 Philadelphia residents developed neuro-invasive West Nile Virus (WNV) infections** (encephalitis or meningitis), and the American Red Cross reported **1 asymptomatic presumptive viremic donor** from Philadelphia. All symptomatic individuals were  $\geq 65$  years of age and required hospitalization including 1 death. Cumulative WNV positivity in mosquitoes collected during the 2014 season was **higher** than previous years (13% vs. 3% - median).

A large white circle with a smaller purple circle inside it, centered on the page. The text is overlaid on this graphic.

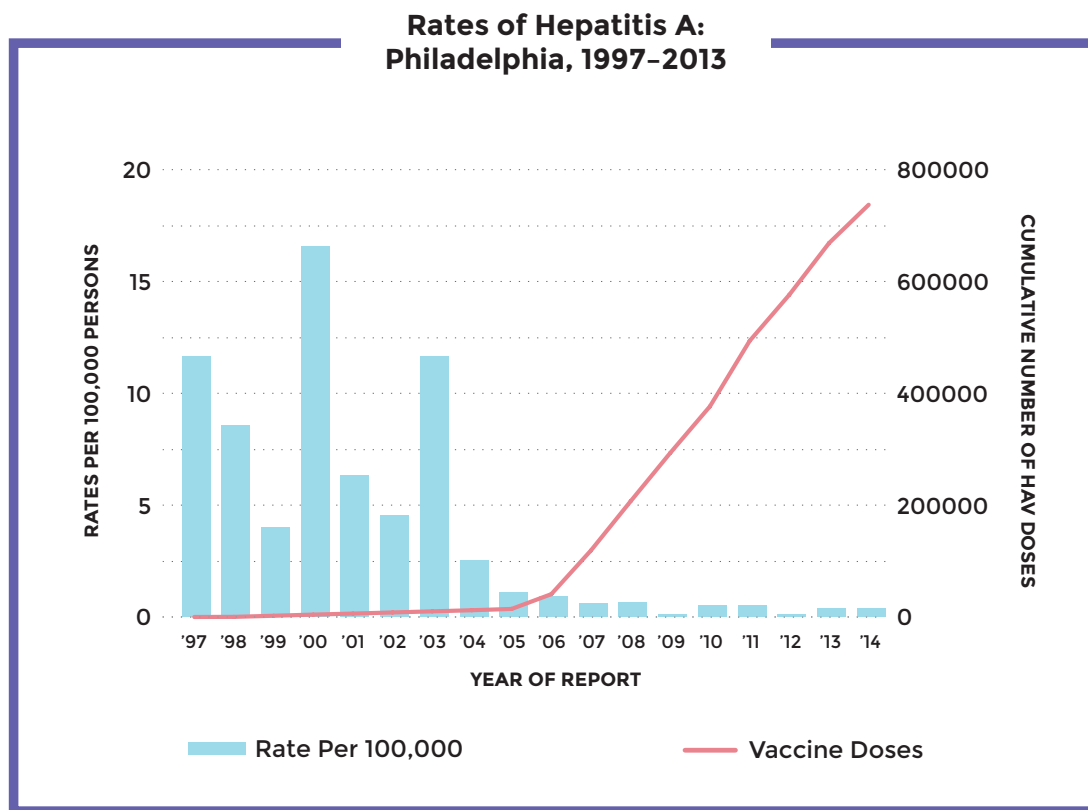
# **VIRAL HEPATITIS**

## **INFECTIONS**

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

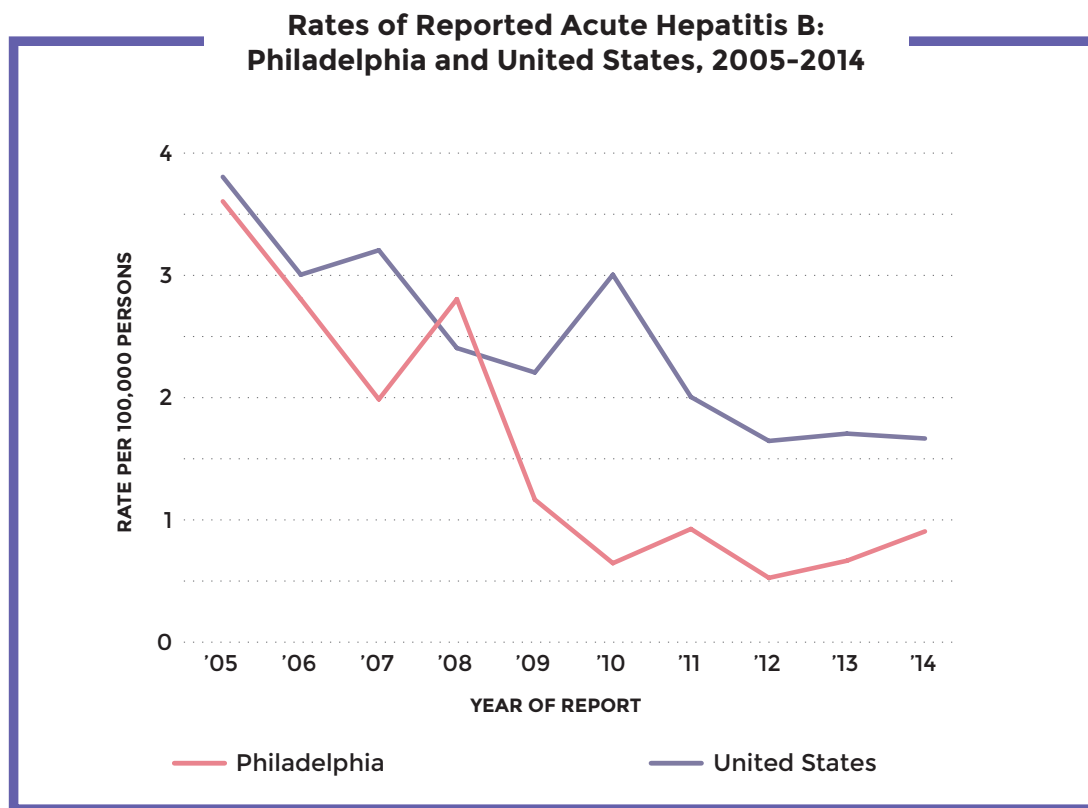
# HEPATITIS A

(Hepatitis A virus)



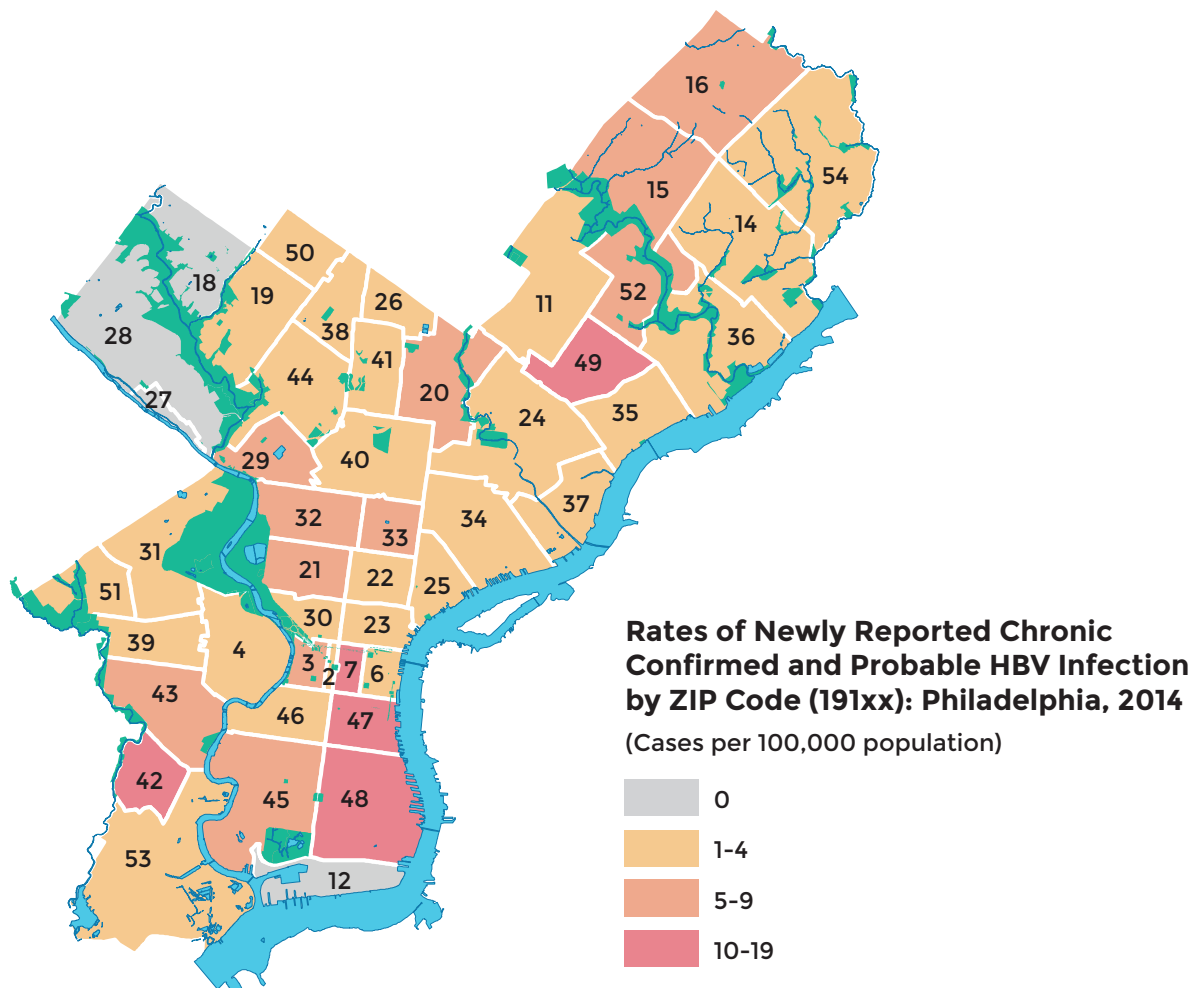
# HEPATITIS B-ACUTE

(Hepatitis B virus)



# HEPATITIS B-CHRONIC

(Hepatitis B virus)



**Number of Newly-reported Chronic Hepatitis B Reports by Age and Gender: Philadelphia, 2014**

	0-30 Years		31-40 Years		41-50 Years		51-64 Years		65+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	72	8.8	120	14.7	94	11.5	114	13.9	49	6	449	54.9
<b>Female</b>	94	11.5	89	10.9	71	8.7	79	9.7	36	4.4	369	45.1
<b>Total</b>	166	20.3	209	25.6	165	20.2	193	23.6	87	10.6	818*	100

\*Missing 13



# HEPATITIS B-PERINATAL

(Hepatitis B virus)

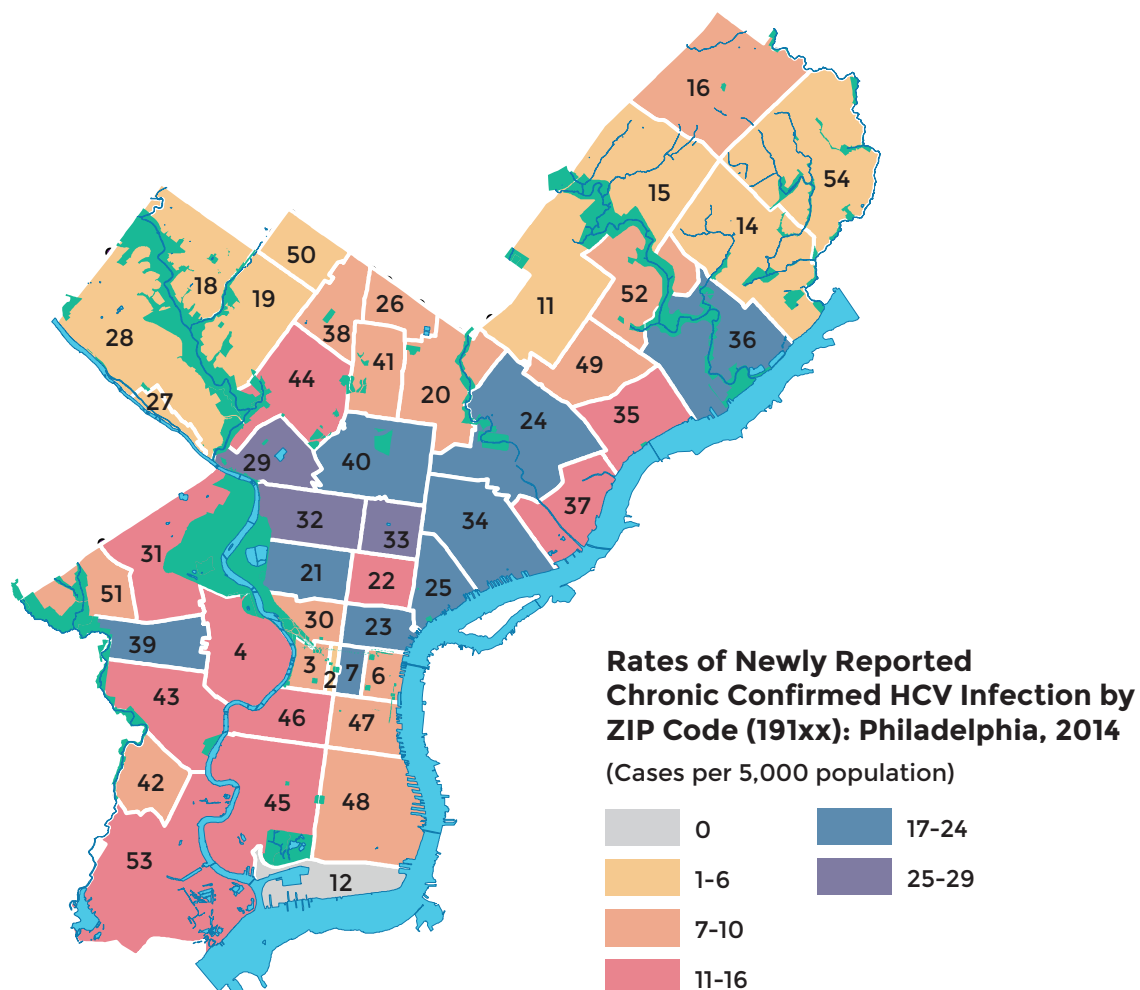
Comparison of Perinatal Hepatitis B:  
Philadelphia 2007-2013

	2007	2008	2009	2010	2011	2012	2013
Total Mother-Child Pairs Followed	110	162	173	161	131	171	153
Total Children Receiving HBIG Within One Calendar Day of Birth	110 (100%)	162 (100%)	168 (97%)	159 (99%)	129 (98%)	154 (90%)	140 (92%)
Total Children Receiving Birth HBV Within One Calendar Day of Birth	110 (100%)	162 (100%)	171 (99%)	161 (100%)	129 (98%)	167 (98%)	150 (98%)
Total Children Receiving 3 HBV Vaccines in 1 Year	109 (99%)	153 (94%)	156 (90%)	140 (87%)	114 (87%)	167 (98%)	134 (88%)
Children HBsAg+ at Screening	1 (1%)	0	0	3 (2%)	0	1 (<1%)	0
Household Contacts Identified and Educated	187	167	182	130	79	-	-
Household Contacts Tested	144	117	115	86	75	-	-
Household Contacts Susceptible	15 [9]	17 [9]	6 [4]	8 [2]	10 [6]	-	-

**Note:** Due to the nature of the program, complete 2014 Perinatal Hepatitis B Prevention Program results will not be available until 2016.

# HEPATITIS C-CHRONIC

(Hepatitis C virus)



**Number of Newly-reported Chronic Hepatitis C Reports by Age and Gender: Philadelphia, 2014**

	0-18 Years		19-30 Years		31-45 Years		46-65 Years		66+ Years		Total	
	n	%	n	%	n	%	n	%	n	%	n	%
<b>Male</b>	15	0.7	96	4.6	271	12.9	815	38.8	116	5.5	1313	62.5
<b>Female</b>	8	0.4	119	5.7	132	6.3	432	20.6	97	4.6	788	37.5
<b>Total</b>	23	1.1	215	10.2	403	19.2	1247	59.4	213	10.1	2101*	100

\*Missing 37

A large, stylized number '9' is centered on the page. It is composed of a white outer ring and a solid grey inner circle. The text 'REPORTING DISEASES & CONDITIONS' is overlaid on the '9' in a bold, black, sans-serif font.

# **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	Phone
	<input type="checkbox"/> ICP <input type="checkbox"/> ED <input type="checkbox"/> Other _____	
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.**