



Howard Brown Health 2017 Epidemiology Report

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He/Him/His

2017 NCSD Annual Meeting
November , 2017

Goals

1. Review HIV/STI testing and positivity

3. Emphasize messages that

4. Display prevention



Outline

Background

Data Sources

HIV/STI testing overall

HIV, Syphilis, Gonorrhea & Chlamydia

- Time, Demographics

Special considerations

- Line of service, Extragenital testing, PrEP



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Data Sources

- Screening and demographic data of clients seeking services through HBH sites and outreach, entered into oddslot EMR
- Partner Services

HIV/STI Testing 2012-2016

45,893 unique clients accessed screening

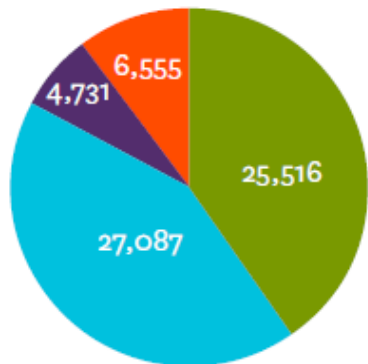
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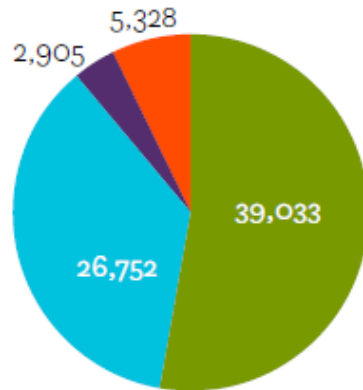
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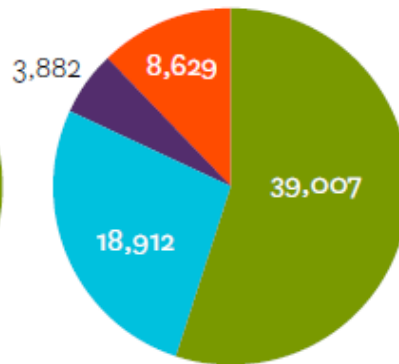
HIV TESTS
Total Patients: 63,389



SYPHILIS TESTS
Total Patients: 74,018



GONORRHEA TESTS
Total Patients: 70,430



CHLAMYDIA TESTS
Total Patients: 70,290

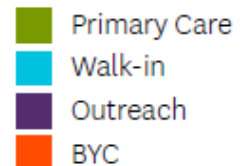
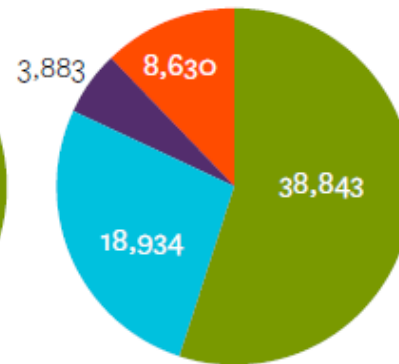
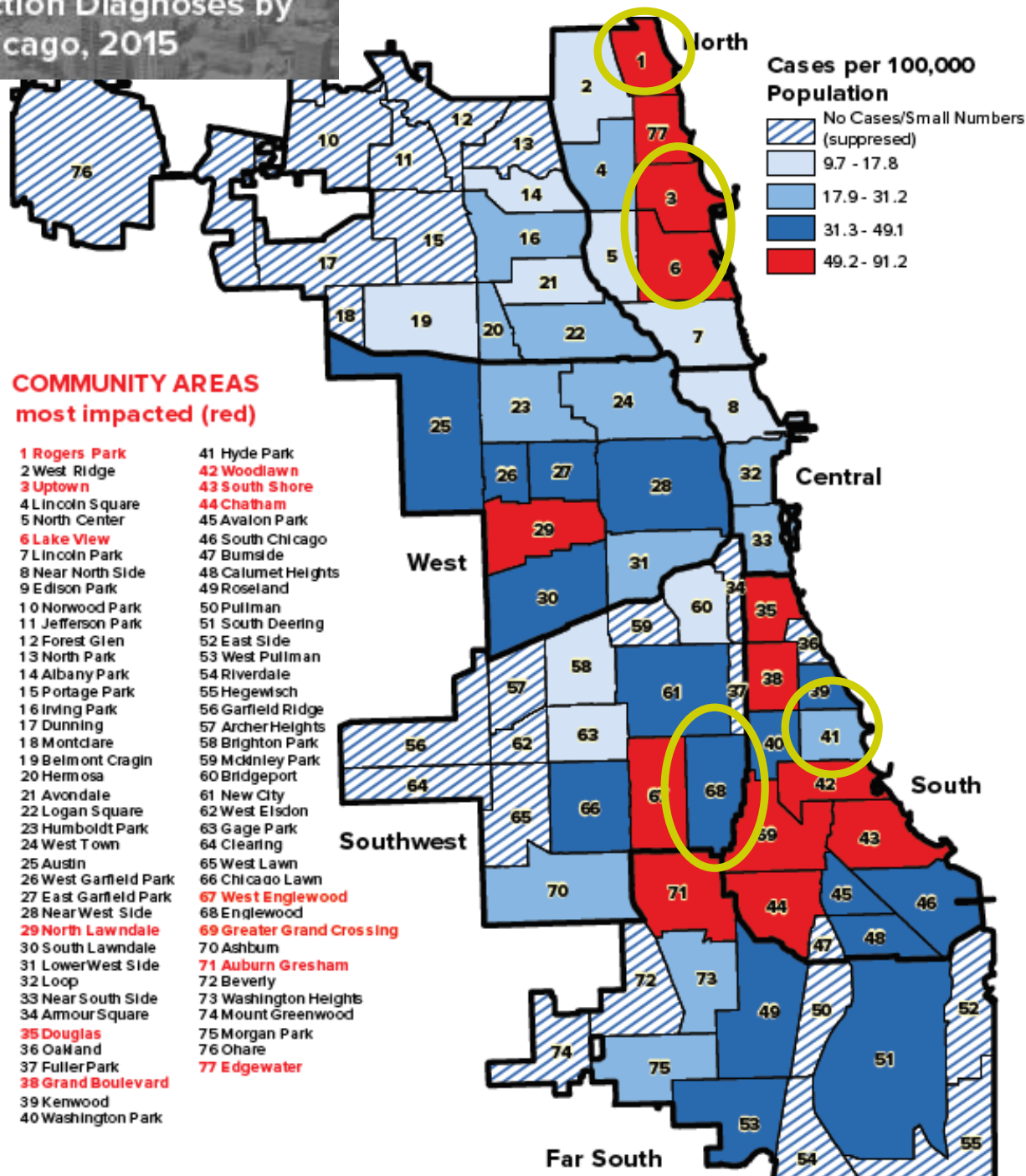


Figure 1.2 - Rate of HIV Infection Diagnoses by Community Area, Chicago, 2015



Chicago Department of Public Health. HIV/STI Surveillance Report 2016. Chicago, IL: City of Chicago, December 2016.

New HIV 2015-2016



Year	# HIV Screening Events	# Newly Identified HIV Infections	New HIV positivity
2015	14,538	132	0.91%
2016	20,492	139	0.68%
% change	40.95%	5.30%	-25.29%

- CDPH also reported overall decrease in new positivity from 2011-2015
- CDPH reported 921 new infections in 2015
- HBH accounts for 14%!!!

New HIV 2015-2016

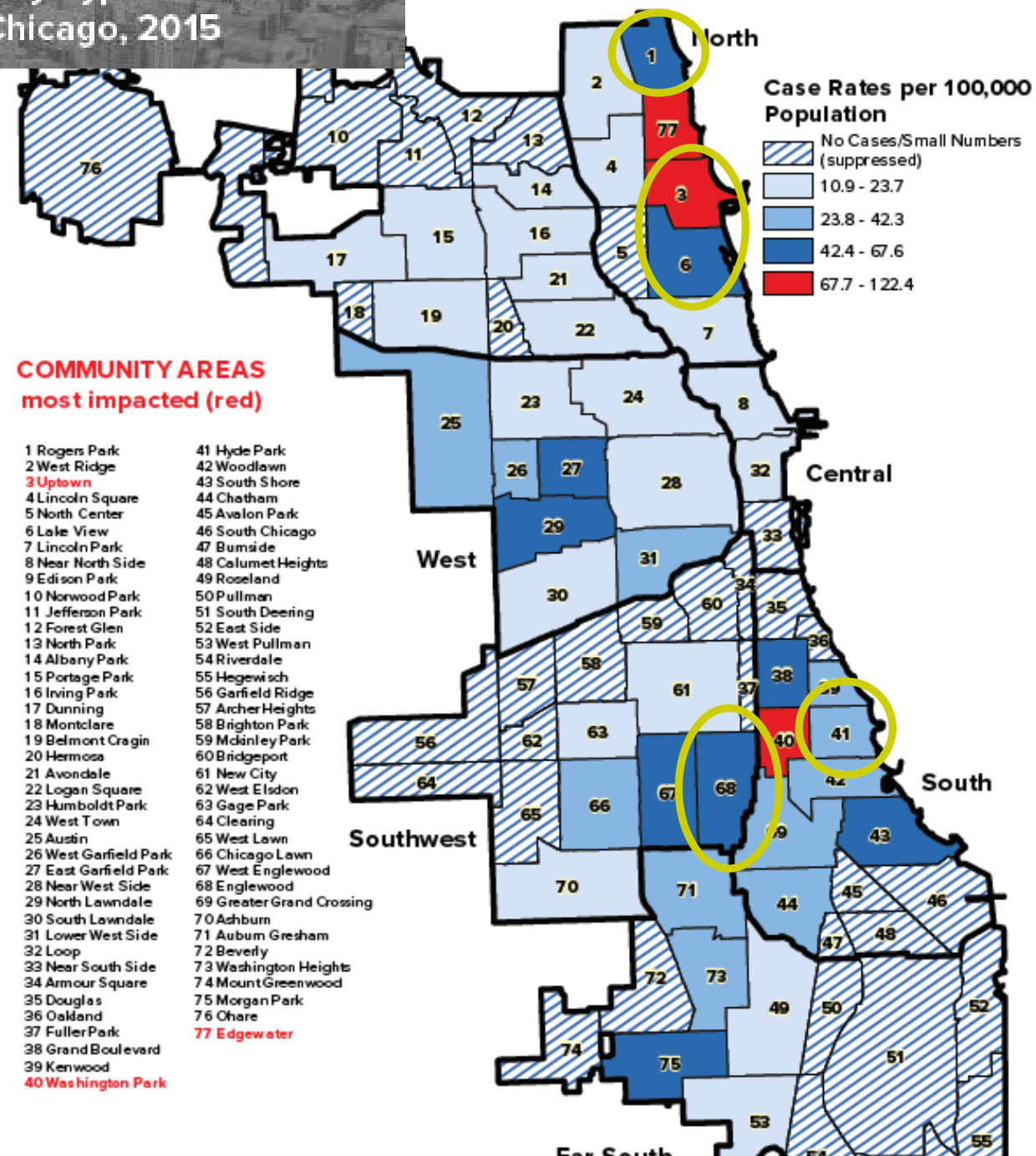
	HIV	
	# New Positive	% Positivity
GENDER IDENTITY		
Cisgender men	243	1.02%
Cisgender women	2	0.03%
Transgender women	18	1.61%
Transgender men	4	0.60%
Genderqueer/Gender Nonconforming	0	0.00%
Something Else	0	0.00%
Patient Declined	4	2.34%
RACE/ETHNICITY		
Non-Hispanic White	100	0.57%
Non-Hispanic Black or African American	89	1.42%
Hispanic or Latino	57	1.25%
Non-Hispanic Asian	11	0.59%
Non-Hispanic American Indian/Alaska Native	1	0.53%
Non-Hispanic Native Hawaiian or Other Pacific Islander	0	0.00%
Unspecified	4	0.41%
Patient Declined	9	0.87%

CDPH:
Transgender
individuals
accounted
for <2%
HBH: 8%

New HIV 2015-2016

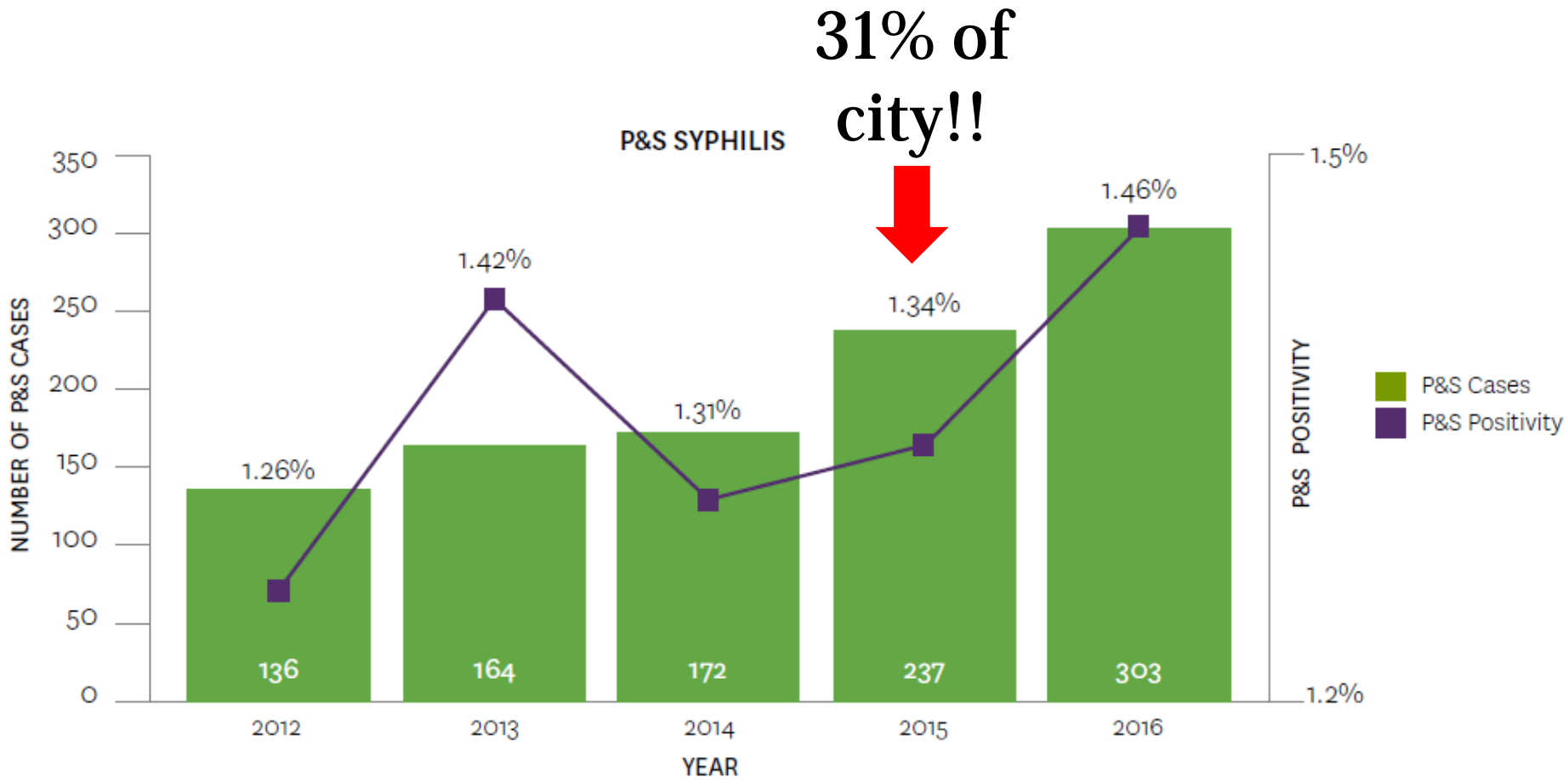
	HIV	
	# New Positive	% Positivity
AGE CATEGORIES		
<=18	8	1.02%
19-25	87	0.80%
26-30	70	0.97%
31-40	67	0.94%
41-50	25	0.70%
>=50	14	0.45%
AREA OF RESIDENCE IN CHICAGO		
North	130	0.70%
South	57	1.25%
West	20	0.87%
Unknown	4	0.50%
Suburb	47	1.01%
Out of state	13	0.80%

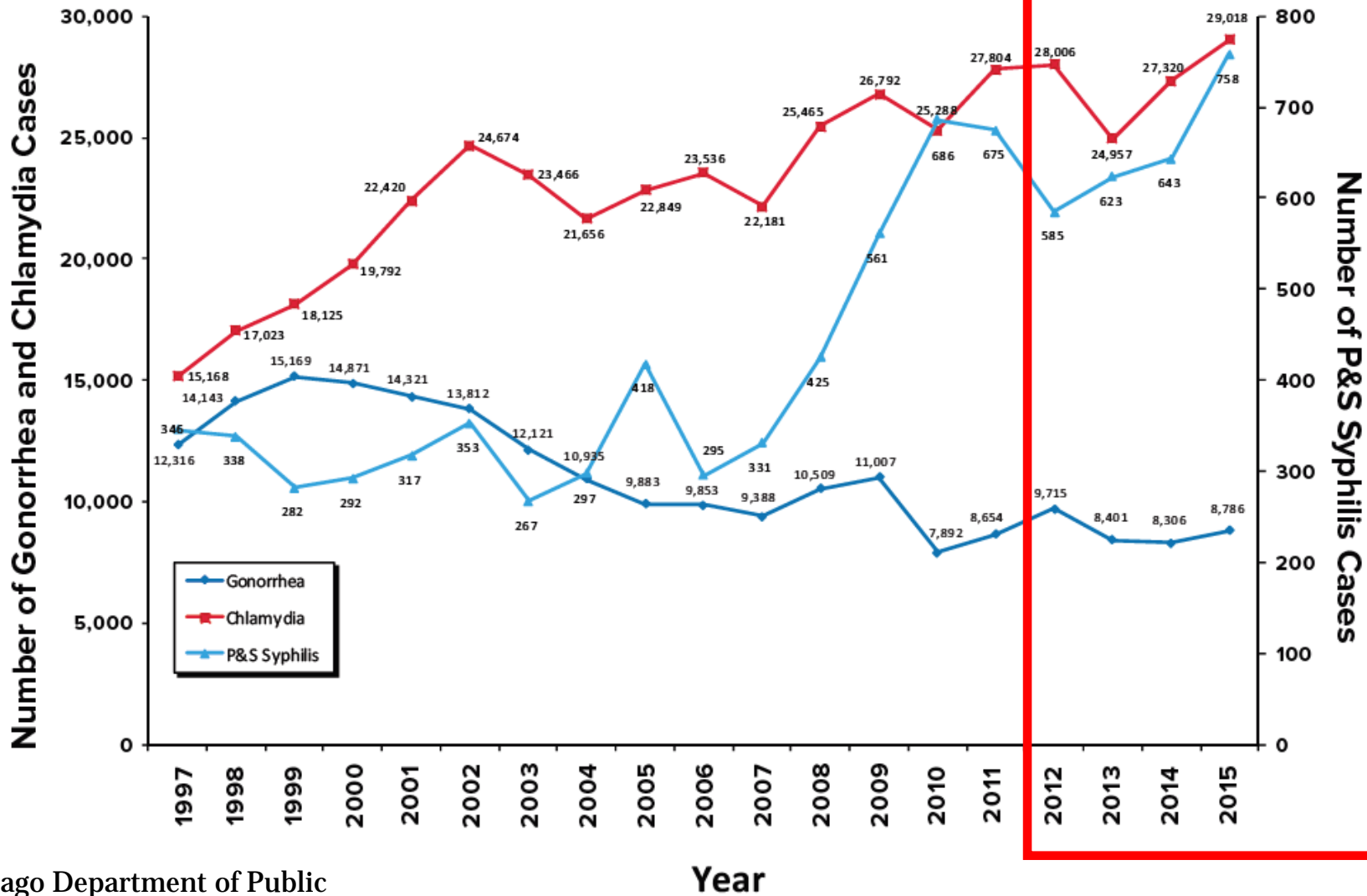
Figure 1.6 - Primary and Secondary Syphilis Case Rates by Community Area, Chicago, 2015



Chicago Department of Public Health. HIV/STI Surveillance Report 2016. Chicago, IL: City of Chicago, December 2016.

P&S Syphilis 2012-2016





Chicago Department of Public Health. HIV/STI Surveillance Report 2016. Chicago, IL: City of Chicago, December 2016.

P&S Syphilis 2012-2016

	P&S Syphilis	
	# Positive	% Positivity
GENDER IDENTITY		
Cisgender men	969	1.58%
Cisgender women	9	0.12%
Transgender women	29	0.82%
Transgender men	2	0.17%
Genderqueer/Gender Nonconforming	1	0.85%
Something Else	1	1.37%
Patient Declined	2	0.73%
RACE/ETHNICITY		
Non-Hispanic White	508	1.26%
Non-Hispanic Black or African American	213	1.38%
Hispanic or Latino	206	1.88%
Non-Hispanic Asian	44	1.25%
Non-Hispanic American Indian/Alaska Native	15	2.83%
Non-Hispanic Native Hawaiian or Other Pacific Islander	3	1.68%
Unspecified	7	0.54%
Patient Declined	17	0.91%

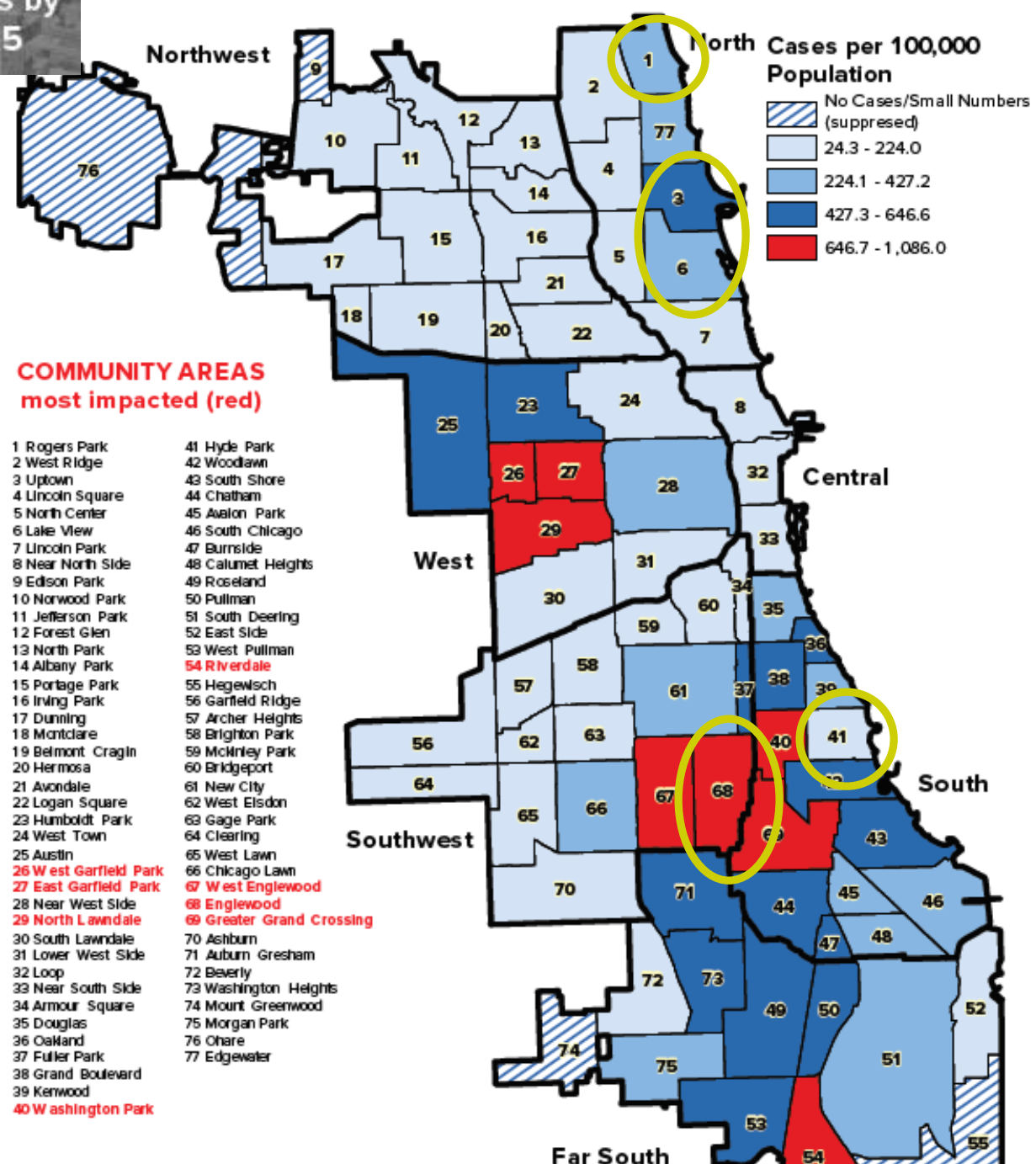
P&S Syphilis 2012-2016

	P&S Syphilis	
	# Positive	% Positivity
AGE CATEGORIES		
<=18	15	1.60%
19-25	271	1.48%
26-30	204	1.29%
31-40	270	1.47%
41-50	168	1.51%
>=50	85	0.90%
AREA OF RESIDENCE IN CHICAGO		
North	624	1.40%
South	146	1.38%
West	85	1.61%
Unknown	12	0.78%
Suburb	121	1.26%
Out of state	25	1.04%

 Happy	 Scared	 Upset
 Excited	 Surprised	 Angry
 Confused	 Shy	 Sad

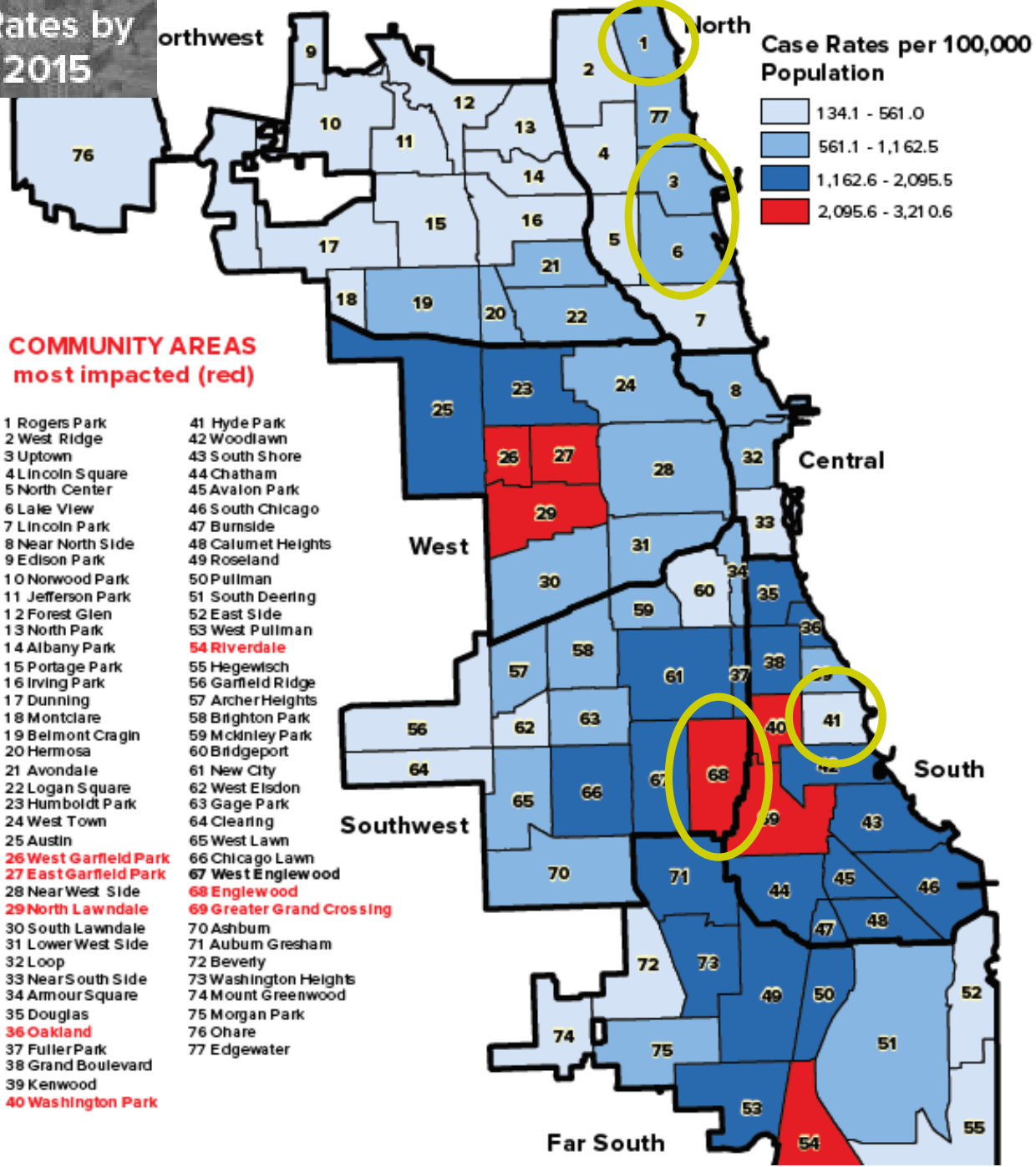
Ready for gonorrhoea and chlamydia??

Figure 1.5 - Gonorrhea Case Rates by Community Area, Chicago, 2015



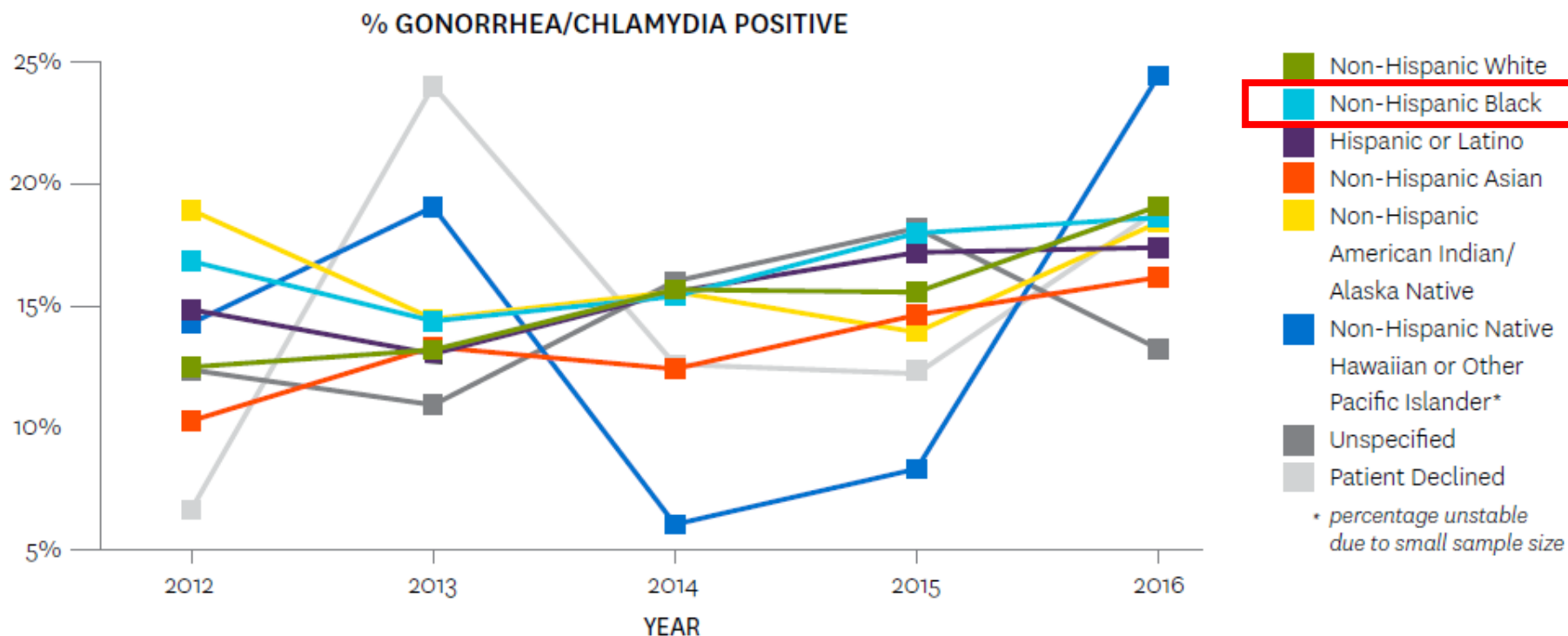
Chicago Department of Public Health. HIV/STI Surveillance Report 2016. Chicago, IL: City of Chicago, December 2016.

Figure 1.4 - Chlamydia Case Rates by Community Area, Chicago, 2015



Chicago Department of Public Health. HIV/STI Surveillance Report 2016. Chicago, IL: City of Chicago, December 2016.

Gonorrhea & Chlamydia 2012-2016



- HBH diagnosed 5% of chlamydia and 16% of gonorrhea cases in Chicago in 2015

Gonorrhea & Chlamydia 2012-2016

	Gonorrhea (2012-2016)		Chlamydia (2012-2016)	
	# Positive	% Positivity	# Positive	% Positivity
GENDER IDENTITY				
Cisgender men	5,992	10.74%	5,568	10.00%
Cisgender women	144	1.55%	731	7.89%
Transgender women	141	4.11%	204	5.95%
Transgender men	40	3.00%	41	3.09%
Genderqueer/Gender Nonconforming	14	7.78%	13	7.22%
Something Else	0	0.00%	10	10.75%
Patient Declined	26	7.93%	16	4.88%
RACE/ETHNICITY				
Non-Hispanic White	3,637	9.47%	3,403	8.88%
Non-Hispanic Black or African American	1,393	9.40%	1,483	10.02%
Hispanic or Latino	778	7.92%	970	9.90%
Non-Hispanic Asian	212	6.36%	324	9.73%
Non-Hispanic American Indian/Alaska Native	47	9.48%	50	10.08%
Non-Hispanic Native Hawaiian or Other Pacific Islander	15	7.89%	19	10.00%
Unspecified	73	5.60%	122	9.36%
Patient Declined	202	9.73%	212	10.22%

Gonorrhea & Chlamydia 2012-2016

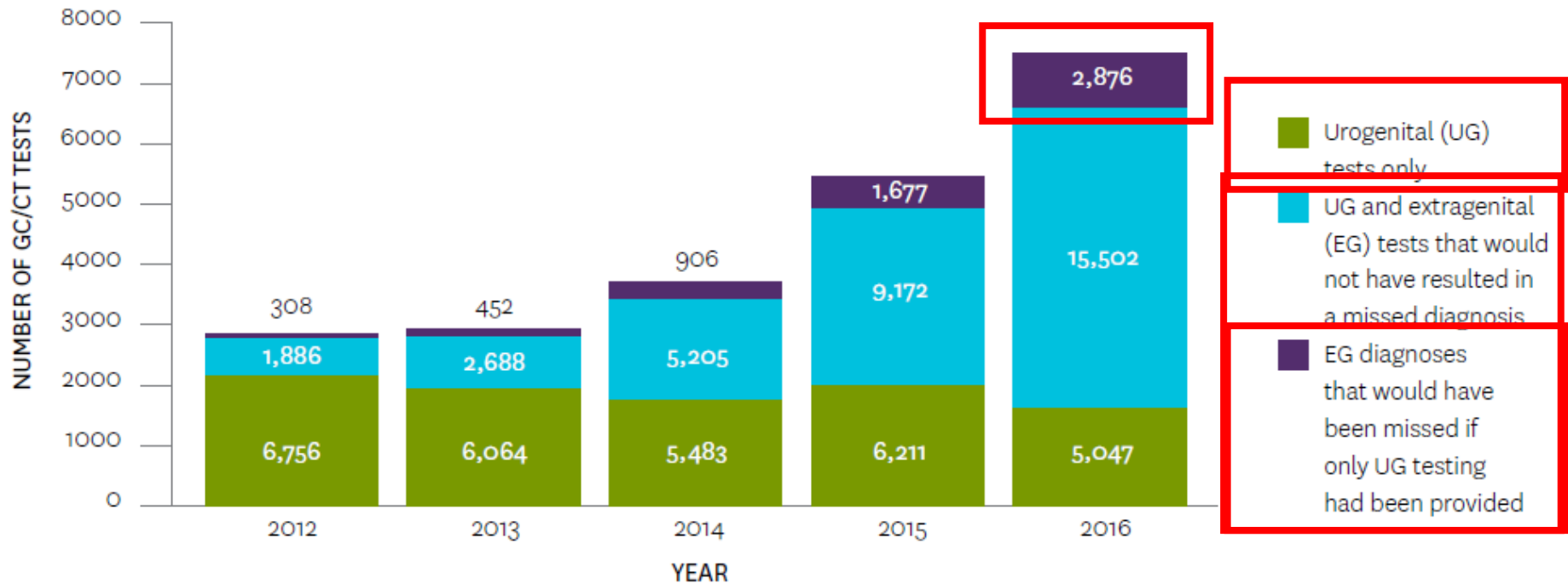
	Gonorrhea (2012-2016)		Chlamydia (2012-2016)	
	# Positive	% Positivity	# Positive	% Positivity
AGE CATEGORIES				
<=18	109	8.04%	198	14.59%
19-25	1,990	9.73%	2,408	11.77%
26-30	1,684	11.12%	1,529	10.11%
31-40	1,614	9.50%	1,526	8.99%
41-50	618	6.70%	615	6.70%
>=50	342	4.71%	307	4.25%
AREA OF RESIDENCE IN CHICAGO				
North	4,064	9.64%	3,952	9.40%
South	887	8.54%	1,067	10.29%
West	469	9.11%	499	9.70%
Unknown	125	7.67%	148	9.09%
Suburb	633	7.22%	736	8.40%
Out of state	179	7.61%	181	7.71%

Positivity by Line of Service 2012-2016

Line of Service	GC Positivity	CT Positivity	New HIV Positivity
Primary Care	7.80%	8.15%	0.34%
Walk-In	12.30%	10.66%	0.52%
Outreach	4.95%	6.05%	0.42%
BYC	9.18%	13.51%	0.35%

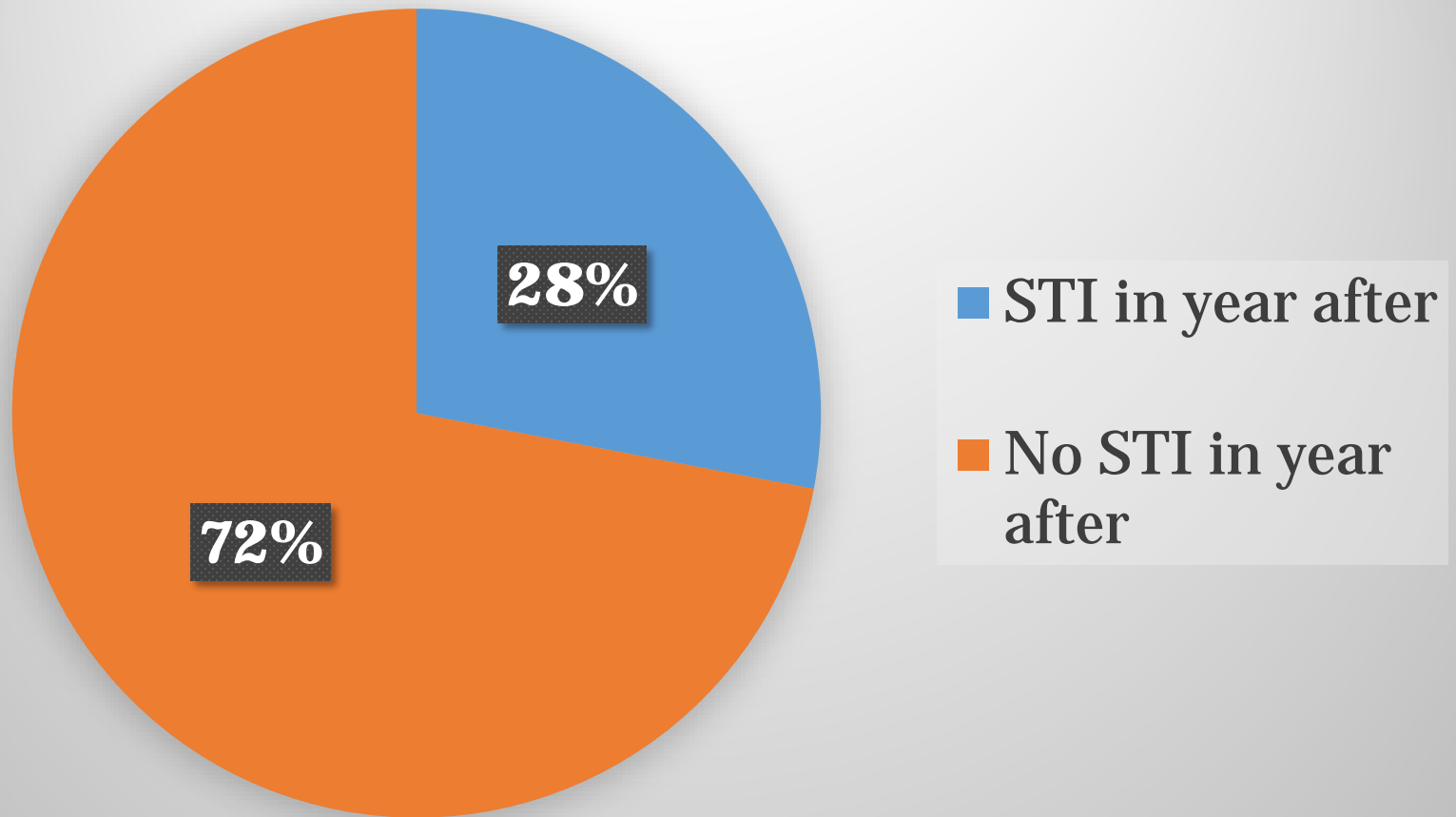
Extragenital STI testing 2012-2016

GONORRHEA/CHLAMYDIA TESTS



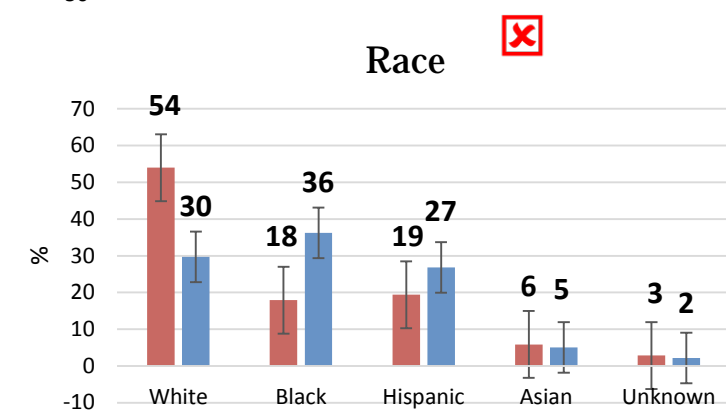
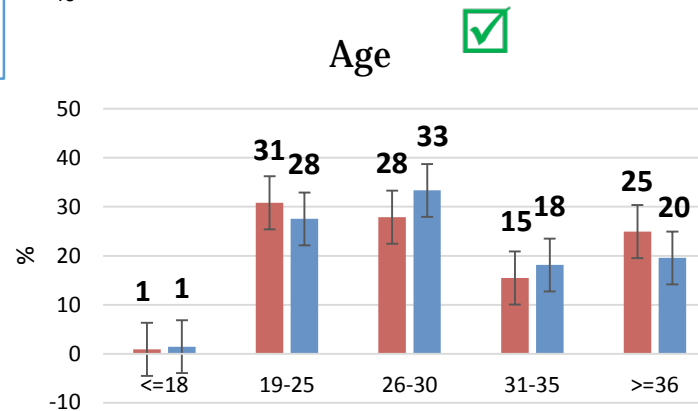
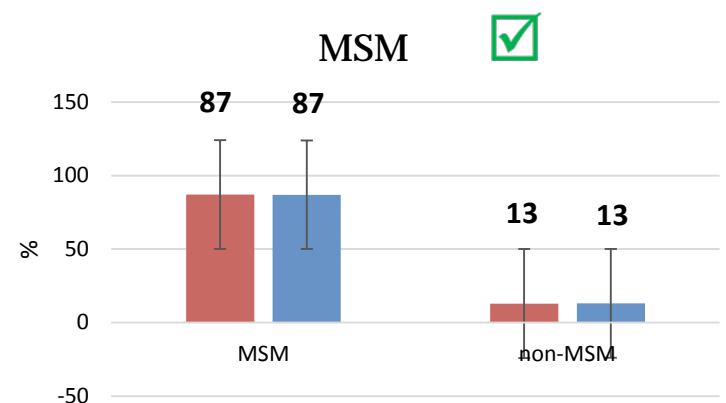
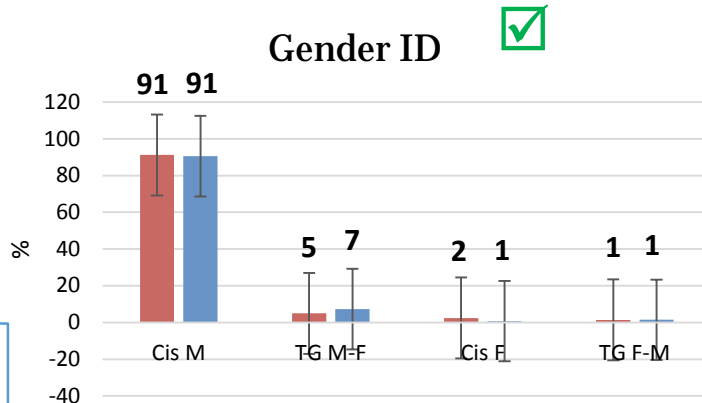
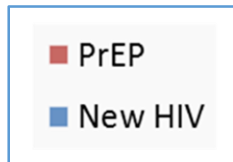
HIV/STI Coinfections

Newly diagnosed HIV 2015



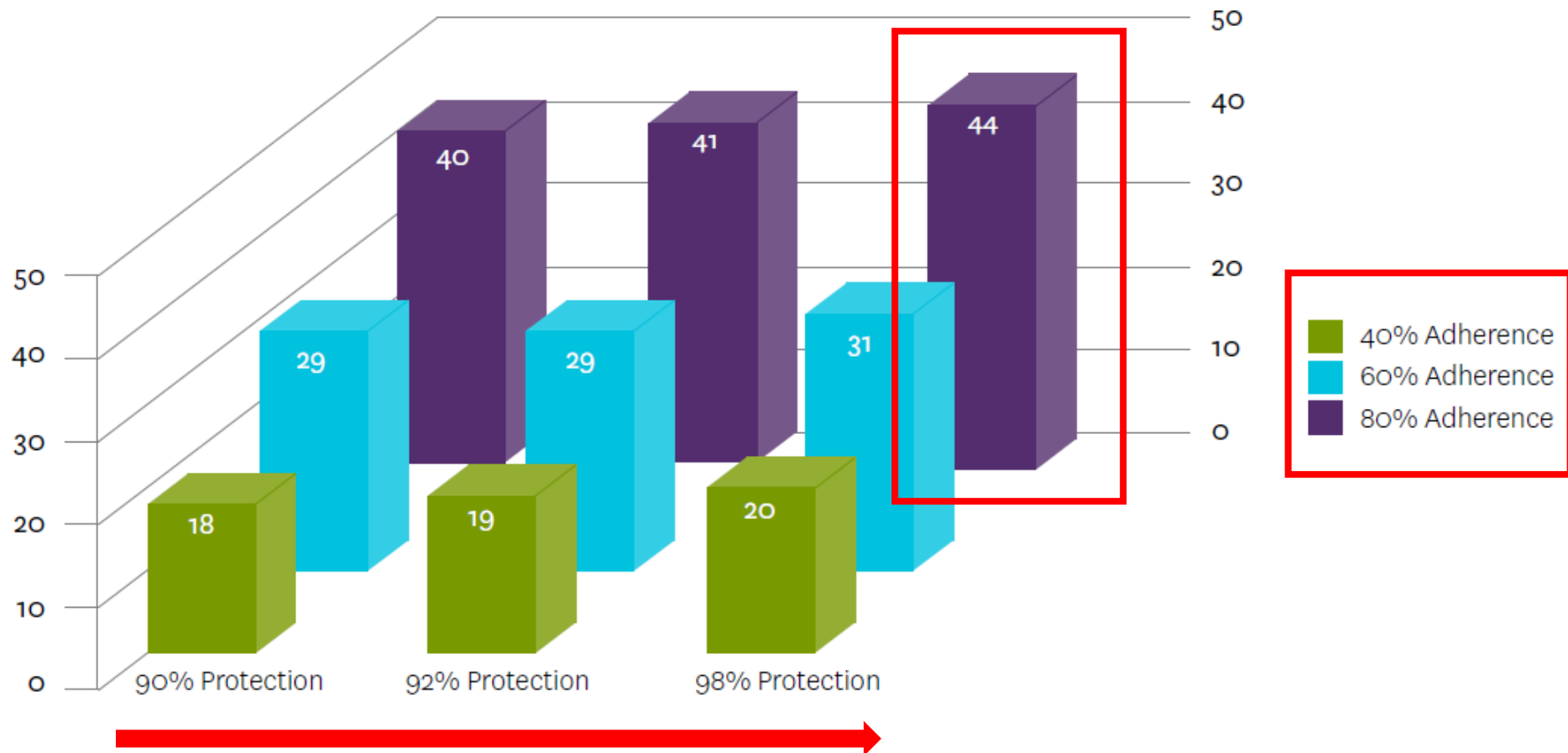
HBH Data: Comparing PrEP & New HIV+, 2016

- If prescribing PrEP equitably based on rates of new HIV infections, the percentages should be equal
- Considering how data might look differently if HBH analyzed intersecting identities



HIV infections averted 2015-2016

ESTIMATED HIV INFECTIONS AVERTED AMONG MSM AND TRANSGENDER WOMEN





Take Aways...

- Develop or fund public private partnerships. There is a wealth of knowledge in our CBO's/FQHC's in terms of peer life experience.
- Deliver holistic health care that screens patients for everything that may affect them and the bodies they live in.
- Above all else acknowledge that our patients are the experts about their lives and identity. We should validate, respect and embrace them for who they are.

Thank you!

- We would like to acknowledge the contributions of HB clients, medical providers, nurses, medical assistants, lab staff, partner services staff, PrEP staff, test counselors, outreach workers, and patient services representatives who helped make this report possible.





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