

Public Health Unit Notifiable Diseases Report

Sexually Transmissible Infections in South Eastern Sydney Local Health District Midyear Report, 2022 Summary

Chlamydia

- Notifications decreased in 2020 and 2021. 2410 notifications received first half of 2022, compared with 5005 in 2021 (full year).
- 71% are male, mean age 32 years, 42% are in the 20-29 age group and 42% reside in the Sydney LGA.
- The proportion of anorectal chlamydia infections has continued to increase in 2022. Of the 2926 infection sites reported 1663 were (57%) genitourinary, 985 (34%) anorectal, 179 (6%) throat, 9 (0.3%) eye infections and 90 unknown body region.

Gonorrhoea

- Notifications decreased in 2020 and 2021. 1515 notifications received first half of 2022, compared with 2167 in 2021 (full year).
- After 2 years of decrease, the proportion of gonorrhoea in women increased in the first half of 2022, with 11.7% (178) of notifications compared with 11.0% (238) in 2021 (full year).
- 88% are male, mean age 35 years, 39% are in the 20-29 year age group and 54% reside in the Sydney LGA.
- 2939 infection sites were reported from 1515 people. Of these, 1046 were throat (36%), 773 (26%) anorectal, 934 (32%) genitourinary tract, 7 eye (0.2%) infections and 179 (6%) unknown body region.

Infectious Syphilis

- After a decrease in 2020, 621 notifications were received in 2021, a 3% increase from 2020. In the first half of 2022, 326 notifications have been received.
- 96% are male, mean age 38 years, 43% are in the 30-39 year age group and 63% reside in the Sydney LGA.
- 12 women have been diagnosed with infectious syphilis in the first half of 2022 compared to 21 in 2021 (full year). Four are from Sydney, 3 from Randwick , 2 from Georges River, 1 from Botany Bay and 1 from Waverley LGA
- 4 notifications were received for transgender people in 2021, none so far in 2022.
- Indigenous status: 7 (2%) identified as Aboriginal and/or Torres Strait Islander
- Sex of partner for males: 198 (60.4%) male, 18 (5.5%) female, 10 (3.1%) male and female, 102 (31.1%) unknown for the 1st half of 2022. In 2021, sex of partner for males: 391 (66.1%) male, 54 (9.1%) female, 26 (4.4%) male and female, 121 (20.4%) unknown
- Sex work: 7 (2.1%) males, 1 (0.3%) female were current sex workers.
- Diagnosing practices are provided in table 4 (page 11). In the first half of 2022, Taylor Square Private Clinic and Holdsworth House diagnosed respectively 7% and 6% of infectious syphilis in South Eastern Sydney residents. Sydney Sexual Health Centre diagnosed 4% of syphilis notifications.

Other Infections

- After a 32% increase of locally acquired shigellosis notifications in 2020, notifications decreased sharply in 2021 and remain low in the 1st half of 2022 with only 6 notifications.
- LGV notifications decreased by 62% between 2019 and 2020 and remained low in 2021. In the first half of 2022 there has been 1 notification for LGV

Contents

Chlamydia	2
Gonorrhoea	6
Infectious Syphilis	9
Lymphogranuloma Venereum (LGV)	14
Shigellosis	15

Figures

Figure 1: Chlamydia notifications in South Eastern Sydney residents by month and gender 2008-June 2022
Figure 2: Chlamydia notifications in South Eastern Sydney residents by age group 2014- June 2022
Figure 3: Chlamydia notifications in South Eastern Sydney residents by site and sex 2014-June 2022
Figure 4: Chlamydia notifications in South Eastern Sydney residents by LGA 2014- June 2022
Figure 5: Gonorrhoea notifications in South Eastern Sydney residents by month and gender 2008- June 20226
Figure 6: Gonorrhoea notifications in South Eastern Sydney residents by age group 2014- June 2022
Figure 7: Gonorrhoea notifications in South Eastern Sydney residents by LGA 2014- June 2022
Figure 8: Gonorrhoea notifications in South Eastern Sydney residents by site and sex 2014- June 20227
Figure 9: Infectious syphilis notifications in South Eastern Sydney residents by month and gender 2008-June 2022 9
Figure 10: Infectious syphilis notifications in South Eastern Sydney residents by age group 2014- June 2022
Figure 11: Infectious syphilis notifications in South Eastern Sydney residents by LGA 2014-June 2022
Figure 12: LGV notifications in SESLHD 2008-June 2022
Figure 13: Locally acquired (in NSW) shigellosis notifications in SESLHD residents by sex 2008-June 2022

Notes:

This report is prepared by the South Eastern Sydney Local Health District Public Health Unit using the NSW Health Notifiable Conditions Information Management System (NCIMS) accessed through SAPHaRI. LGAs are the 2016 LGAs.

Appropriate acknowledgement of the Public Health Unit should accompany any approved use.

All dates reported are based on the calculated date of onset.

Data may be incomplete, especially for infectious syphilis cases where a longer time frame occurs from notification date to the date of classification of infectious cases.

The data within this report may be subject to revision and should not be published or distributed further without approval of the Director, Public Health, SESLHD.

Data extracted 06 July 2022

Chlamydia

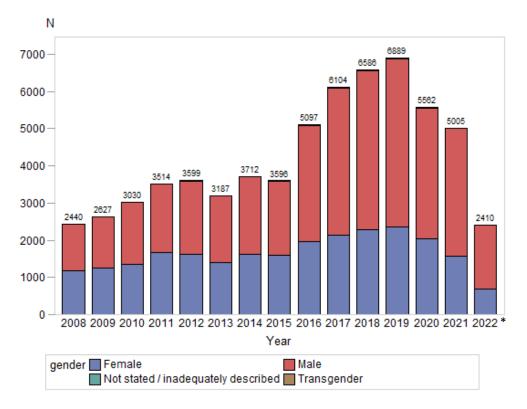


Figure 1: Chlamydia notifications in South Eastern Sydney residents by month and gender 2008-June 2022

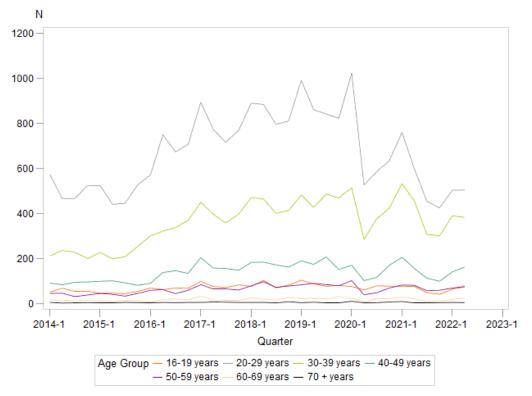


Figure 2: Chlamydia notifications in South Eastern Sydney residents by age group 2014- June 2022

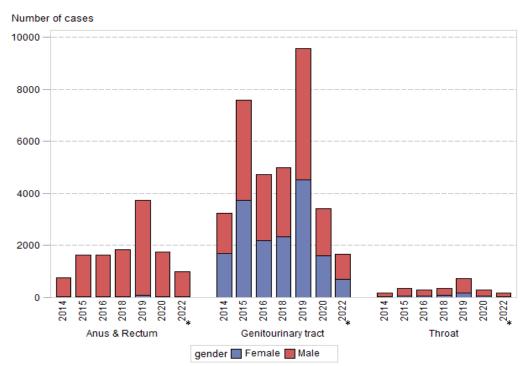


Figure 3: Chlamydia notifications in South Eastern Sydney residents by site and sex 2014-June 2022

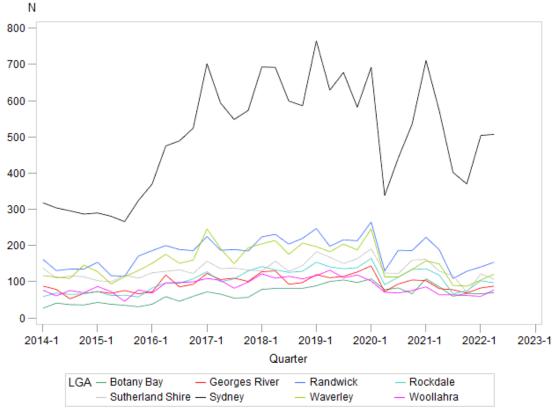


Figure 4: Chlamydia notifications in South Eastern Sydney residents by LGA 2014- June 2022

							Ye	ar						
	20	2016		17	20	18	20	19	20	20	20	21	20	22
	N	%	N	N	N	%	N	%	Ν	%	N	%	N	%
GENDER														
Female	1963	38.5	2145	35.1	2275	34.5	2360	34.3	2043	36.7	1572	31.4	687	28.5
Male	3124	61.3	3940	64.5	4286	65.1	4506	65.4	3503	63.0	3425	68.4	1722	71.4
Not stated / inadequately														
described	6	0.1	10	0.2	13	0.2	16	0.2	7	0.1	4	0.1	1	0.04
Transgender	4	0.1	9	0.1	12	0.2	7	0.1	9	0.2	4	0.1		
LGA									337	6.1	324	6.5	137	5.7
Botany Bay	204	4.0	250	4.1	325	4.9	394	5.7						
Georges River	371	7.3	440	7.2	451	6.8	473	6.9	417	7.5	333	6.6	171	7.1
Randwick	762	14.9	786	12.9	884	13.4	875	12.7	768	13.8	652	13.0	295	12.2
Rockdale	385	7.5	466	7.6	531	8.1	570	8.3	507	9.1	397	7.9	200	8.3
Sutherland Shire	513	10.1	563	9.2	563	8.5	666	9.7	601	10.8	480	9.6	229	9.5
Sydney	1859	36.5	2418	39.6	2570	39.0	2656	38.5	2007	36.1	2054	41.0	1013	42.0
Unincorporated			4	0.1	1	0.0	1	0.0			2	0.04		
Waverley	639	12.5	783	12.8	805	12.2	774	11.2	607	10.9	486	9.7	226	9.4
Woollahra	364	7.1	394	6.4	456	6.9	480	6.9	318	5.7	277	5.5	139	5.8
Age Group														
0-15 years	9	0.2	2	0.0	14	0.2	8	0.1	9	0.2	11	0.2	3	0.1
16-19 years	264	5.2	324	5.3	327	5.0	344	5.0	288	5.2	238	4.8	136	5.6
20-29 years	2701	53.0	3153	51.6	3381	51.3	3518	51.1	2770	49.8	2237	44.7	1007	41.8
30-39 years	1327	26.0	1600	26.2	1747	26.5	1863	27.	1597	28.7	1594	31.8	771	32.0
40-49 years	504	9.9	662	10.8	697	10.6	719	10.4	554	10.0	570	11.4	301	12.5
50-59 years	220	4.3	270	4.4	322	4.9	332	4.8	254	4.6	275	5.5	143	6.0
60-69 years	59	1.2	74	1.2	81	1.2	93	1.3	70	1.3	65	1.3	42	1.7
70 + years	13	0.3	19	0.3	17	0.3	12	0.2	20	0.4	15	0.3	7	0.3
Total (ALL)	5097	100.0	6104	100.0	6586	100.0	6889	100.0	5562	100.0	5005	100.0	2410	100.0

Table 1: Chlamydia notifications in South Eastern Sydney residents 2016-June 2022

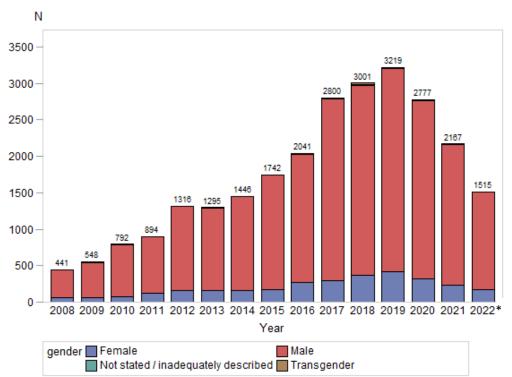


Figure 5: Gonorrhoea notifications in South Eastern Sydney residents by month and gender 2008- June 2022

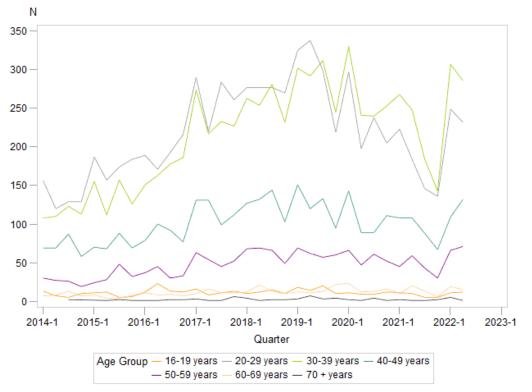


Figure 6: Gonorrhoea notifications in South Eastern Sydney residents by age group 2014- June 2022

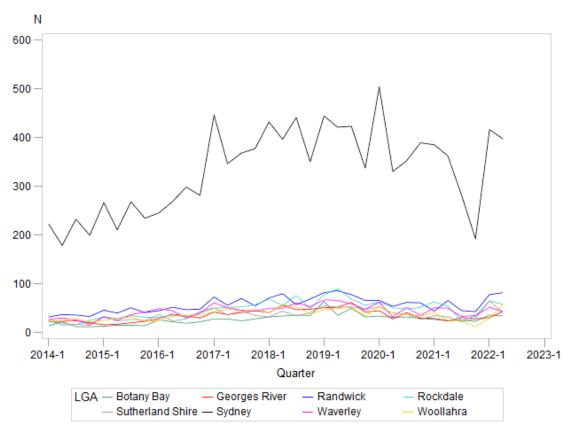


Figure 7: Gonorrhoea notifications in South Eastern Sydney residents by LGA 2014- June 2022

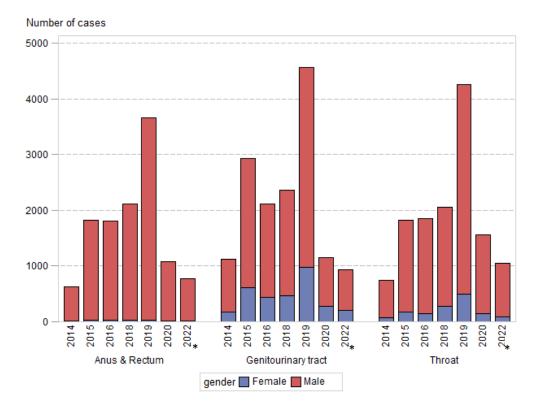
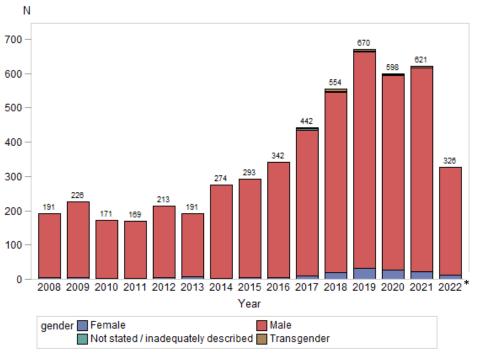


Figure 8: Gonorrhoea notifications in South Eastern Sydney residents by site and sex 2014- June 2022

Table 2: Gonorrhoea notifications in SESLHD 2016 – June 2022

	Year													
	20	016	20)17	20)18	20)19	20)20	20	21	2	022
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
GENDER														
Female	268	13.1	299	10.7	364	12.1	422	13.1	321	11.6	238	11.0	178	11.7
Male	1760	86.2	2484	88.7	2611	87.0	2780	86.4	2440	87.9	1923	88.7	1337	88.2
Not stated / inadequately														
described	7	0.3	8	0.3	8	0.3	8	0.2	10	0.4	2	0.1		
Transgender	6	0.3	9	0.3	18	0.6	9	0.3	6	0.2	4	0.2		
LGA														
Botany Bay	85	4.2	104	3.7	133	4.4	177	5.5	122	4.4	96	4.4	68	4.5
Georges River	127	6.2	161	5.7	188	6.3	203	6.3	140	5.0	108	5.0	72	4.7
Randwick	188	9.2	250	8.9	273	9.1	308	9.6	239	8.6	194	8.9	158	10.4
Rockdale	135	6.6	208	7.4	246	8.2	289	9.0	210	7.6	172	7.9	121	8.0
Sutherland Shire	128	6.3	163	5.8	147	4.9	203	6.3	154	5.5	114	5.3	104	6.9
Sydney	1092	53.5	1537	54.9	1619	53.9	1625	50.5	1575	56.7	1220	56.3	813	53.7
Waverley	160	7.8	198	7.1	210	7.0	236	7.3	177	6.4	165	7.6	93	6.14
Woollahra	126	6.2	179	6.4	185	6.2	178	5.5	160	5.8	98	4.5	86	5.7
Age Group														
0-15 years							3	0.1	4	0.1	1	0.0		
16-19 years	60	2.9	48	1.7	47	1.6	62	1.9	41	1.5	31	1.4	23	1.5
20-29 years	769	37.7	1055	37.7	1101	36.7	1181	36.7	938	33.8	689	31.8	481	31.7
30-39 years	678	33.2	951	34.0	1030	34.3	1151	35.7	1064	38.3	843	38.9	593	39.
40-49 years	348	17.0	473	16.9	506	16.9	499	15.5	432	15.6	371	17.1	241	15.9
50-59 years	145	7.1	214	7.6	252	8.4	248	7.7	226	8.1	177	8.2	137	9.0
60-69 years	35	1.7	48	1.7	56	1.9	58	1.8	64	2.3	49	2.3	34	2.2
70 + years	6	0.3	11	0.4	9	0.3	17	0.5	8	0.3	6	0.3	6	0.4
Total (ALL)	2041	100.0	2800	100.0	3001	100.0	3219	100.0	2777	100.0	2167	100.0	1515	100.0



Infectious Syphilis

Figure 9: Infectious syphilis notifications in South Eastern Sydney residents by month and gender 2008-June 2022

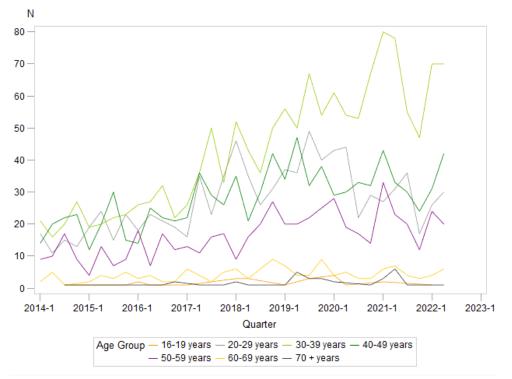


Figure 10: Infectious syphilis notifications in South Eastern Sydney residents by age group 2014- June 2022

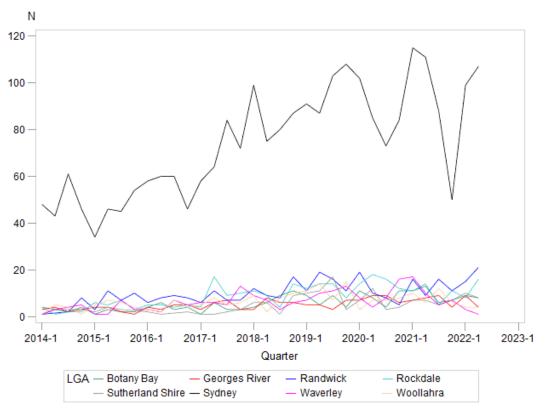


Figure 11: Infectious syphilis notifications in South Eastern Sydney residents by LGA 2014-June 2022

Table 3: Infectious syphilis notifications in SESLHD 2016- June 2022

	Year													
	2	2016	2	2017	2	2018	2	2019	2	2020	2	2021	2	2022
	N	%	Ν	%	Ν	%	Ν	%	N	%	Ν	%	Ν	%
GENDER			9											
Female	6	1.8		2.0	19	3.4	33	4.9	28	4.7	21	3.4	12	3.7
Male	334	97.7	426	96.4	527	95.1	630	94.0	566	94.7	596	96.0	314	96.3
Not stated / inadequately described	1	0.3	4	0.9	2	0.4	1	0.2	2	0.3				
Transgender	1	0.3	3	0.7	6	1.1	6	0.9	2	0.3	4	0.6		
Indigenous status	2	0.6	7	1.6	9	1.6	10	1.5	8	1.3	15	2.4	6	1.8
Aboriginal														
Both Aboriginal and Torres Strait					1	0.2			2	0.3			1	0.3
Islander														
Not Aboriginal or Torres Strait	297	86.8	392	88.7	505	91.2	611	91.2	527	88.1	551	88.7	279	85.6
Islander														
Torres Strait Islander			2	0.5					1	0.2				
Unknown	43	12.6	41	9.3	39	7.0	49	7.3	60	10.0	55	8.9	40	12.3
LGA	13	3.8	13	2.9	30	5.4	27	4.0	34	5.7	37	6.0	17	5.2
Botany Bay														
Georges River	17	5.0	19	4.3	23	4.2	20	3.0	31	5.2	28	4.5	13	4.0
Randwick	31	9.1	31	7.0	46	8.3	57	8.5	42	7.0	52	8.4	36	11.0
Rockdale	19	5.6	40	9.1	38	6.9	48	7.2	60	10.0	41	6.6	24	7.4
Sutherland Shire	5	1.5	7	1.6	22	4.0	41	6.1	26	4.4	26	4.2	18	5.5
Sydney	224	65.5	278	62.9	341	61.6	389	58.1	344	57.5	364	58.6	206	63.2
Waverley	17	5.0	30	6.8	25	4.5	41	6.1	36	6.0	39	6.3	4	1.2
Woollahra	16	4.7	24	5.4	29	5.2	47	7.0	25	4.2	34	5.5	8	2.5
Age Group							1	0.2						
0-15 years														
16-19 years	4	1.2	3	0.7	6	1.1	6	0.9	5	0.8	2	0.3	1	0.3
20-29 years	81	23.7	109	24.7	138	24.9	162	24.2	138	23.1	111	17.9	56	17.2
30-39 years	107	31.3	145	32.8	181	32.7	227	33.9	235	39.3	260	41.9	140	42.9
40-49 years	82	24.0	113	25.6	128	23.1	151	22.5	124	20.7	130	20.9	73	22.4
50-59 years	54	15.8	57	12.9	72	13.0	87	13.0	78	13.0	88	14.2	44	13.5
60-69 years	11	3.2	13	2.9	24	4.3	24	3.6	15	2.5	20	3.2	10	3.1
70 + years	3	0.9	2	0.5	5	0.9	12	1.8	3	0.5	10	1.6	2	0.6
Total (ALL)	342	100.0	442	100.0	554	100.0	670	100.0	598	100.0	621	100.0	326	100.0

Table 4: Requesting doctor for infectious syphilis, 2020 to June 2022

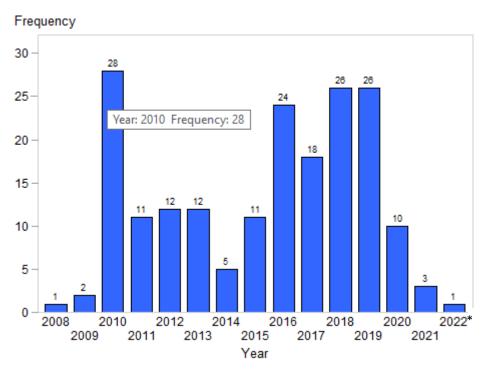
	2022		2021		2020	
Practice name	N	ColPctN	N	ColPctN	N	ColPctN
GP (others)	61	18%	87	14%	79	13%
Taylor Square Medical Practice	24	7%	43	7%	45	7%
Holdsworth House Medical Practice	19	6%	52	8%	45	7%
Albion St Centre	15	4%	18	3%	10	2%
Public Hospitals - SESLHD	14	4%	17	3%	14	2%
Sydney Sexual Health clinic	14	4%	24	4%	46	8%
Darlinghurst Medical Centre	12	4%	36	6%	34	6%
Hyde Park Medical Center	11	3%	5	1%	12	2%
Oxford Village Medical Centre	11	3%	15	2%	15	2%
KRC	10	3%	11	2%	3	0%
East Sydney Doctors	7	2%	28	5%	35	6%
St George Hospital Sexual Clinic	5	1%	6	1%	8	1%
Bondi Junction 7 Day Medical Centre	4	1%	6	1%	5	1%
Crown St Medical Centre	4	1%	7	1%	5	1%
RPAH Sexual Health Clinic	4	1%	5	1%	14	2%
Miranda Medical Centre	3	1%	4	1%	4	1%
Emergency Department	<3	1%	3		4.	1%
Macleay St Medical Practice	<3	1%	5	1%	4	1%
Royal Prince Alfred Hospital	<3	1%	5	1%	4	1%
World Square CBD Medical Centre World Shopping Centre	<3	1%	3			
Aboriginal Medical Service Redfern	<3		4	1%		
Mascot Medical & Dental Centre	<3				3	
North Shore Sexual Health Service	<3		3	0%	4	1%
Nelune Comprehensive Cancer Centre, POWH	<3					
St John Of God Health Services	<3				<3	
Stigma Health Pty.Ltd	<3					
Sutherland Hospital	<3				<3	
Wesley Private Hospital	<3					
IBAC		0%	7	1%	14	2%
Addiction Medicine			<3			
Armajun Aboriginal Health Service					<3	
Arys Health			<3			
Australian Red Cross Lifeblood Alexandria					<3	
Liverpool Hospital			<3			
Centre For Immunology			<3			
Concord Hospital					<3	
Eye Clinic					<3	
Mascot Medical			3		4	1%
Matraville Med Centre			4	1%	<3	
Parklea Correctional Centre			<3			
Parramatta Sexual Health Clinic					<3	
Redfern Station Medical Centre			4	1%	8	1%
Vitalis Family Medical Practice			3		<3	
Western Sydney Sexual Health Centre			<3			
MISSING	107	31%	202	33%	174	29%
Total	341	100%	617	100%	603	100%

*Any general practice with <3 infectious syphilis notifications were grouped as GP (Other)

Table 5: Additional data from enhanced surveillance, 2022

Gender To Female Male Transgender To N % N % N % Stage 5 1.5 74 21.7 Secondary 3 0.9 61 17.9 5 17.9 5 Early Latent 2 0.6 97 28.5 1 1 Unknown 3 0.9 96 28.2 5 1 <th>tal (ALL) N 79 64 99 99</th>	tal (ALL) N 79 64 99 99
N % N % N % Stage	79 64 99
Primary 5 1.5 74 21.7 Secondary 3 0.9 61 17.9 Early Latent 2 0.6 97 28.5 Unknown 3 0.9 96 28.2	64 99
Secondary 3 0.9 61 17.9 Early Latent 2 0.6 97 28.5 Unknown 3 0.9 96 28.2	64 99
Secondary 3 0.9 61 17.9 Early Latent 2 0.6 97 28.5 Unknown 3 0.9 96 28.2	64 99
Early Latent 2 0.6 97 28.5 Unknown 3 0.9 96 28.2	99
Unknown 3 0.9 96 28.2	
	99
Symptoms	
Yes 6 1.8 111 32.6	117
No 4 1.2 127 37.2	131
Unknown 1 0.3	1
Chancre	
Yes 2 0.6 26 7.6	28
Skin rash	
Yes 2 0.6 40 7.6	28
Lymphadenopathy	
Yes 1 0.3	1
Place of disease acquisition	
Acquired in Australia outside NSW	4
Acquired in NSW 6 1.8 109 32.0	115
Acquired outside Australia 6 1.8	6
Unknown 25 7.3	25
PrEP	
Yes 1 0.3 7 2.1	8
No 6 1.8 180 52.8	8 186
Unknown 2 0.6 47 13.8	49
Sex of partner	45
Person(s) of the opposite sex only 8 2.4 18 5.3 .	26
Person(s) of the same sex only	198
Persons of both sexes	10
Sexual exposure unknown 2 0.6 19 5.6	21
Is person a current sex worker?	
Yes	11
No 13 92.86 198 65.13 1 25.00	212
Unknown 1 7.14 97 31.9 1 25	99
Total (ALL) 13 3.8 328 96.2	341

Note: this data extracted directly from NCIMS without additional data cleaning done by SAPHaRI. The data are incomplete due to the delay between the notification and the return of the enhanced questionnaire from Doctors.



Lymphogranuloma Venereum (LGV)



Table 6: LGV notifications in SESLHD 2016-June 2022

	Year													
		2016		2017		2018		2019		2020	20	21	202	22
	Ν	%	Ν	%	Ν	%	Ν	%	N	%	N	%	N	%
GENDER														
Male	24	100.0	18	100.0	26	100.0	26	100.0	10	100.0	3	100.0	1	100.0
LGA														
Botany Bay	1	4.2	1	5.6	3	11.5					1	33.3		
Georges														
River					2	7.7	1	3.8					1	100.0
Randwick	1	4.2	2	11.1	1	3.8	3	11.5	1	10.0				
Rockdale									1	10.0				
Sutherland														
Shire					2	7.7	1	3.8						
Sydney	19	79.2	15	83.3	14	53.8	18	69.2	7	70.0	2	66.7		
Waverley	1	4.2			2	7.7	1	3.8	•		•	•		
Woollahra	2	8.3			2	7.7	2	7.7	1	10.0				
Age Group														
20-29 years	6	25.0	6	33.3	5	19.2	6	23.1	2	20.0		•	1	100.0
30-39 years	9	37.5	7	38.9	12	46.1	10	38.5	6	60.0	2	66.7		
40-49 years	4	16.7	3	16.7	6	23.1	7	26.9	1	10.0	1	33.3		
50-59 years	5	20.8	2	11.1	1	3.8	3	11.5	1	10.0	•			
60-69 years					1	3.8	•							
70 + years					1	3.8	•							
Total (ALL)	24	100.0	18	100.0	26	100.0	26	100.0	10	100.0	3	100.0	1	100.0

Frequency 80-70-50-40-Year gender 📕 Female 📕 Male

Shigellosis

Figure 13: Locally acquired (in NSW) shigellosis notifications in SESLHD residents by sex 2008-June 2022

Table 7: Locally acquired shigellosis not	fications in SESLHD residents 2016- June 2022
---	---

	Year													
	2	2016	2	2017	2	2018	2	2019	2	2020	2	2021	2	022
	Ν	%	Ν	%	Ν	%	Ν	%	Ν	%	Ν	%	Ν	%
GENDER														
Female	4	6.7	1	3.1	6	13.3	7	12.5	2	2.7	1	10.0	2.0	33.3
Male	56	93.3	31	96.9	39	86.7	49	87.5	72	97.3	9	90.0	4.0	66.7
Age Group														
0-15 years			1	3.1			1	1.8					1.0	16.7
16-19 years					1	2.2								
20-29 years	15	25.0	4	12.5	4	8.9	10	17.9	22	29.7	3	30.0	1.0	16.7
30-39 years	19	31.7	10	31.2	16	35.6	21	37.5	19	25.7	3	30.0	2.0	33.3
40-49 years	17	28.3	9	28.1	7	15.6	16	28.6	21	28.4	1	10.0	2.0	33.3
50-59 years	8	13.3	6	18.7	10	22.22	3	5.4	6	8.1	1	10.0		
60-69 years	1	1.7	2	6.2	5	11.1	2	3.6	5	6.8	2	20.0		
70 + years					2	4.4	3	5.4	1	1.3				
LGA														
Botany Bay	3	5.0	1	3.1	3	6.7	2	3.6	1	1.3				
Georges River							4	7.1	3	4.0	1	10.0	1.0	16.7
Randwick	7	11.7	2	6.2	8	17.8	5	8.9	5	6.8	1	10.0		
Rockdale	4	6.6	2	6.2	3	6.7	3	5.4	4	5.4	1	10.0		
Sutherland Shire	1	1.7			1	2.2	5	8.9	6	8.1	1	10.0		
Sydney	40	66.7	23	71.9	25	55.6	29	51.8	47	63.5	4	40.0	3.0	50.0
Waverley	3	5.0	4	12.5	4	8.9	2	3.6	5	6.8	1	10.0	2.0	33.3
Woollahra	2	3.3			1	2.2	6	10.7	3	4.0	1	10.0		
Total (ALL)	60	100.0	32	100.0	47	100.0	19	100.0	74	100.0	10	100.0	6.0	100.0