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Sexual Health in Wales Surveillance Scheme (SWS)

**Quarterly Report, February 2015
(Data to end June 2014)**

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Purpose and Summary of Document:

This report presents the latest trends on the rates of STIs and other infections diagnosed in Integrated Sexual Health clinics in Wales. Data are presented to end of June 2014.

Key points

- The number of new episodes of genital chlamydia, herpes, gonorrhoea, HIV and syphilis seen in sexual health clinics in Wales has increased since 2012 (Table 1)
- The biggest increase was seen in syphilis and HIV (Table 1)
- Increases in chlamydia, warts, herpes, gonorrhoea, HIV and syphilis were observed in men who have sex with men (MSM) (Table 2)
- Rises in MSM account for a significant part of the increases in males, but for chlamydia, herpes, gonorrhoea, HIV and syphilis there was also a rise in non-MSM males (Table 2)
- In people under 25 years (Table 3), increases were observed in new episodes of genital chlamydia, herpes, gonorrhoea, HIV and syphilis
- The rate of syphilis in Betsi Cadwaladr University Health Board residents seen in sexual health clinics in Wales has declined following an increase in 2013 and the first quarter of 2014 (Figure3)
- The rate of new syphilis episodes in Cwm Taf Health Board residents increased in the first 6 months of 2014 (Figure3)
- Interventions to control the outbreaks were carried out in both Health Boards and syphilis rates subsequently decreased

General population

Table 1. Percentage change in selected diagnoses and screenings made in ISH clinics from Q1-Q2 2012 to Q1-Q2 2014 in Wales

	Diagnoses			Screenings		
	Q1-Q2 2012	Q1-Q2 2014	% Change	Q1-Q2 2012	Q1-Q2 2014	% Change
Chlamydia	1979	2597	31%	18850	24539	30%
Warts (1st episode)	1802	1721	-4%	-	-	-
Herpes (1st episode)	546	600	10%	-	-	-
Gonorrhoea	318	421	32%	18735	24491	31%
HIV (new diagnosis)	34	49	44%	12368	14630	18%
Syphilis (primary and secondary)	22	39	77%	11952	14218	19%
LGV	2	0	-100%	-	-	-
Hepatitis A (acute)	0	0	-	-	-	-
Hepatitis B (1st diagnosis)	18	8	-56%	-	-	-
Hepatitis C (1st diagnosis)	23	11	-52%	-	-	-

i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care

ii) Recent figures may be incomplete due to delays in reporting

iii) These data do not include diagnoses made in clinics in Carmarthenshire, Pembrokeshire or South Hywel Dda, which do not report to SWS

iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded

v) The following KC60/SHHAPT diagnoses codes were used: chlamydia (C4, C4A, C4C), first episode of genital warts (C11A), first episode of genital herpes (C10A), gonorrhoea (B, B1, B2), new diagnosis of HIV (E1A, E2A, E3A1,H1,H1A,H1B), primary and secondary syphilis (A1, A2), LGV (C2), acute hepatitis A infection (C15), first diagnosis of hepatitis B (C13, C13A), first diagnosis of hepatitis C (C14)

vi) Screening codes are collected only for chlamydia, gonorrhoea, HIV and syphilis. The following KC60/SHHAPT services codes were used: chlamydia tests (S1,S2,T1,T2,T3,T4), gonorrhoea tests (S1,S2,T2,T3,T4), HIV antibody tests (S2,T4, P1A), syphilis tests (S1,S2,T3,T4)

Gender and sexuality

Table 2. Percentage change in selected diagnoses made in ISH clinics from Q1-Q2 2012 to Q1-Q2 2014 by gender and sexuality in Wales

	Q1-Q2 2012			Q1-Q2 2014			% Change		
	Male*	*of which MSM	Female	Male*	*of which MSM	Female	Male*	*of which MSM	Female
Chlamydia	944	55	1035	1138	88	1459	21%	60%	41%
Warts (1st episode)	974	24	828	895	34	826	-8%	42%	0%
Herpes (1st episode)	214	7	332	223	13	377	4%	86%	14%
Gonorrhoea	188	52	130	281	116	140	49%	123%	8%
HIV (new diagnosis)	20	9	14	34	18	15	70%	100%	7%
Syphilis (primary and secondary)	22	11	0	35	20	4	59%	82%	-
LGV	*	*	*	0	0	0	-100%	-100%	-100%
Hepatitis A (acute)	0	0	0	0	0	0	-	-	-
Hepatitis B (1st diagnosis)	15	2	3	6	0	2	-60%	-100%	-33%
Hepatitis C (1st diagnosis)	11	0	12	7	1	4	-36%	-	-67%

i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care

ii) Recent figures may be incomplete due to delays in reporting

iii) These data do not include diagnoses made in clinics in Carmarthenshire, Pembrokeshire or South Hywel Dda, which do not report to SWS

iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded

v) The following KC60/SHHAPT diagnoses codes were used: chlamydia (C4, C4A, C4C), first episode of genital warts (C11A), first episode of genital herpes (C10A), gonorrhoea (B, B1, B2), new diagnosis of HIV (E1A, E2A, E3A1,H1,H1A,H1B), primary and secondary syphilis (A1, A2), LGV (C2), acute hepatitis A infection (C15), first diagnosis of hepatitis B (C13, C13A), first diagnosis of hepatitis C (C14)

vi) Small numbers with potential for indirect disclosure of person identifiable information (*)

Young people (15-24 year olds)

Table 3. Percentage change in selected diagnoses made in ISH clinics from Q1-Q2 2012 to Q1-Q2 2014 in 15-24 year olds in Wales

Under 25s	Q1-Q2 2012	Q1-Q2 2014	% Change
Chlamydia	1364	1883	38%
Warts (1st episode)	1083	963	-11%
Herpes (1st episode)	276	295	7%
Gonorrhoea	191	217	14%
HIV (new diagnosis)	4	5	25%
Syphilis (primary and secondary)	7	10	43%
LGV	1	0	-100%
Hepatitis A (acute)	0	0	-
Hepatitis B (1st diagnosis)	1	2	100%
Hepatitis C (1st diagnosis)	5	2	-60%

i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care

ii) Recent figures may be incomplete due to delays in reporting

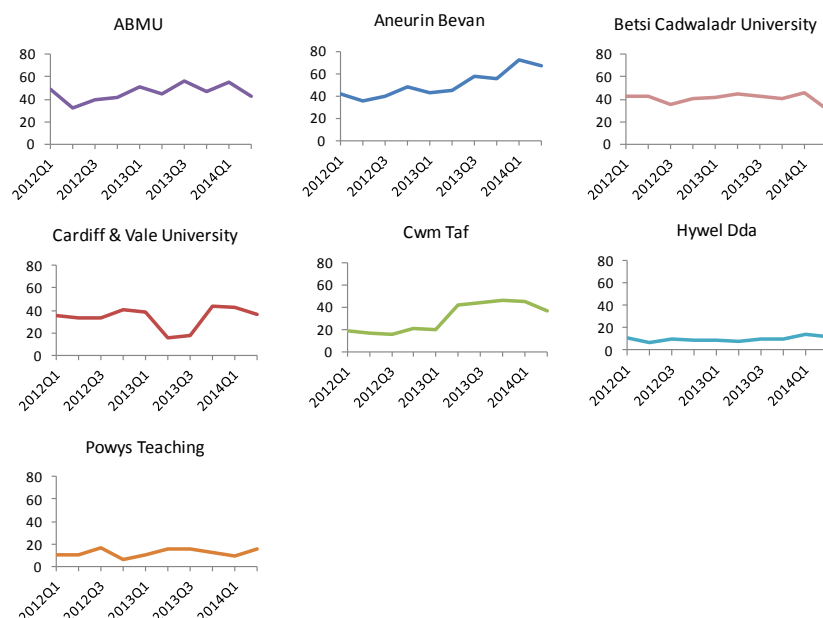
iii) These data do not include diagnoses made in clinics in Carmarthenshire, Pembrokeshire or South Hywel Dda, which do not report to SWS

iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded

v) The following KC60/SHHAPT diagnoses codes were used: chlamydia (C4, C4A, C4C), first episode of genital warts (C11A), first episode of genital herpes (C10A), gonorrhoea (B, B1, B2), new diagnosis of HIV (E1A, E2A, E3A1,H1,H1A,H1B), primary and secondary syphilis (A1, A2), LGV (C2), acute hepatitis A infection (C15), first diagnosis of hepatitis B (C13, C13A), first diagnosis of hepatitis C (C14)

Chlamydia

Figure 1. Incidence of chlamydia diagnoses made in ISH clinics per 100,000 population, from Q1 2012 to Q2 2014 by LHB of residence



- i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care
- ii) Recent figures may be incomplete due to delays in reporting
- iii) Diagnoses in Hywel Dda may be underreported as clinics in South Hywel Dda do not report to SWS
- iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded (6%)
- v) The following KC60/SHHAPT codes were used: chlamydia (C4, C4A, C4C)

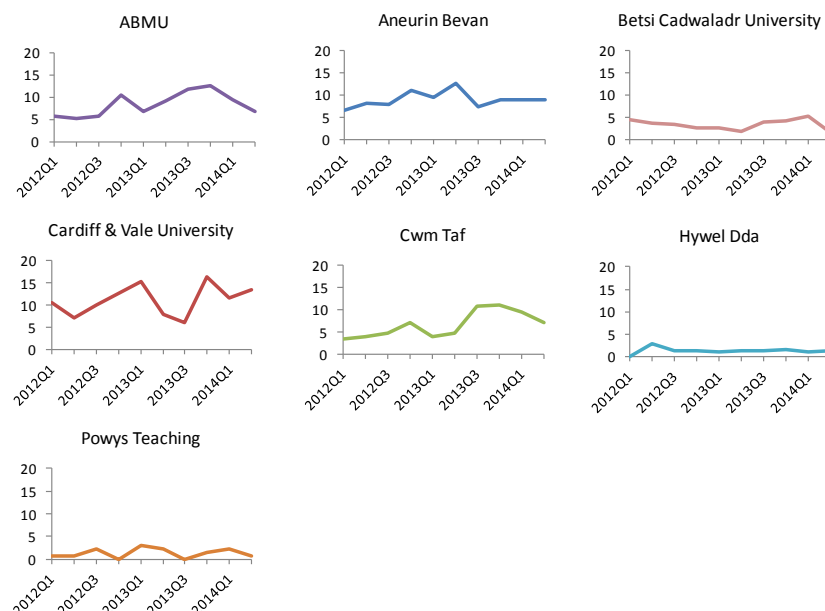
Table 4. Percentage change in chlamydia diagnoses made in ISH clinics from Q1-Q2 2012 to Q1-Q2 2014, by LHB of residence, gender and sexuality

LHB	Group	Q1-Q2 2012	Q1-Q2 2014	% Change
Abertawe Bro Morgannwg University	Female	238	318	34%
	Male*	186	194	4%
	*of which MSM	2	3	50%
	Total	424	512	21%
Aneurin Bevan	Female	242	457	89%
	Male*	206	349	69%
	*of which MSM	13	33	154%
	Total	448	806	80%
Betsi Cadwaladr University	Female	310	298	-4%
	Male*	273	235	-14%
	*of which MSM	19	13	-32%
	Total	583	533	-9%
Cardiff & Vale University	Female	153	191	25%
	Male*	171	183	7%
	*of which MSM	17	32	88%
	Total	324	374	15%
Cwm Taf	Female	49	124	153%
	Male*	57	117	105%
	*of which MSM	1	4	300%
	Total	106	241	127%
Hywel Dda	Female	33	54	64%
	Male*	34	44	29%
	*of which MSM	1	1	0%
	Total	67	98	46%
Powys Teaching	Female	10	17	70%
	Male*	17	16	-6%
	*of which MSM	2	2	0%
	Total	27	33	22%
All Wales	Female	1035	1459	41%
	Male*	944	1138	21%
	*of which MSM	55	88	60%
	Total	1979	2597	31%

- i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care
- ii) Recent figures may be incomplete due to delays in reporting
- iii) Diagnoses in Hywel Dda may be underreported as clinics in South Hywel Dda do not report to SWS
- iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded (6%)
- v) The following KC60/SHHAPT codes were used: gonorrhoea (C4, C4A, C4C)

Gonorrhoea

Figure 2. Incidence of gonorrhoea diagnoses made in ISH clinics per 100,000 population, from Q1 2012 to Q2 2014 by LHB of residence



- i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care
- ii) Recent figures may be incomplete due to delays in reporting
- iii) Diagnoses in Hywel Dda may be underreported as clinics in South Hywel Dda do not report to SWS
- iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded (7%)
- v) The following KC60/SHHAPT codes were used: gonorrhoea (B, B1, B2)

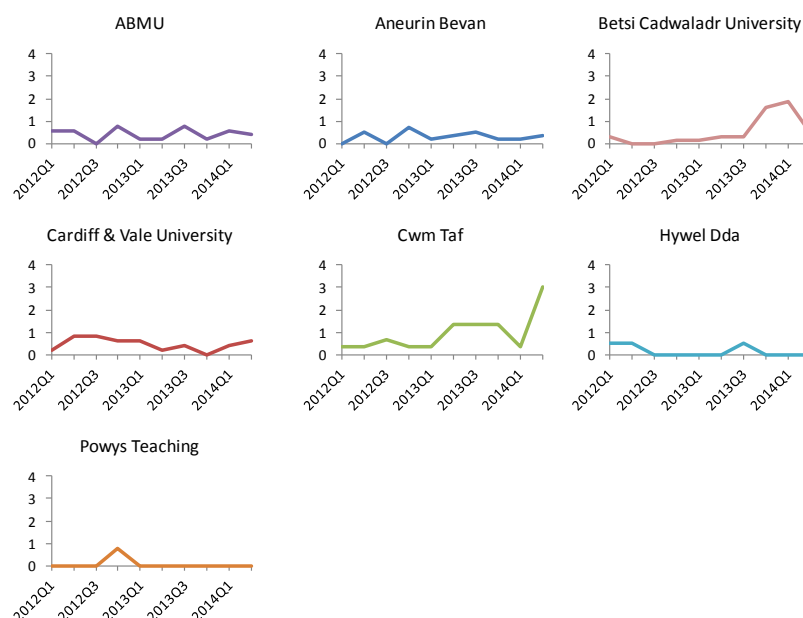
Table 5. Percentage change in gonorrhoea diagnoses made in ISH clinics from Q1-Q2 2012 to Q1-Q2 2014, by LHB of residence, gender and sexuality

LHB	Group	Q1-Q2 2012	Q1-Q2 2014	% Change
Abertawe Bro Morgannwg University	Female	24	34	42%
	Male*	33	50	52%
	*of which MSM	2	4	100%
	Total	57	84	47%
Aneurin Bevan	Female	43	37	-14%
	Male*	43	69	60%
	*of which MSM	9	35	289%
	Total	86	106	23%
Betsi Cadwaladr University	Female	20	17	-15%
	Male*	36	31	-14%
	*of which MSM	11	16	45%
	Total	56	48	-14%
Cardiff & Vale University	Female	32	36	13%
	Male*	52	85	63%
	*of which MSM	28	48	71%
	Total	84	121	44%
Cwm Taf	Female	9	13	44%
	Male*	13	36	177%
	*of which MSM	0	11	-
	Total	22	49	123%
Hywel Dda	Female	2	2	0%
	Male*	9	7	-22%
	*of which MSM	0	1	-
	Total	11	9	-18%
Powys Teaching	Female	*	*	*
	Male*	*	*	*
	*of which MSM	*	*	*
	Total	2	4	100%
All Wales	Female	130	140	8%
	Male*	188	281	49%
	*of which MSM	52	116	123%
	Total	318	421	32%

- i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care
- ii) Recent figures may be incomplete due to delays in reporting
- iii) Diagnoses in Hywel Dda may be underreported as clinics in South Hywel Dda do not report to SWS
- iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded (7%)
- v) The following KC60/SHHAPT codes were used: gonorrhoea (B, B1, B2)
- vi) Small numbers with potential for indirect disclosure of person identifiable information (*)

Syphilis

Figure 3. Incidence of syphilis diagnoses made in ISH clinics per 100,000 population, from Q1 2012 to Q2 2014 by LHB of residence



- i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care
- ii) Recent figures may be incomplete due to delays in reporting
- iii) Diagnoses in Hywel Dda may be underreported as clinics in South Hywel Dda do not report to SWS
- iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded (8%)
- v) The following KC60/SHHAPT codes were used: primary and secondary syphilis (A1, A2)

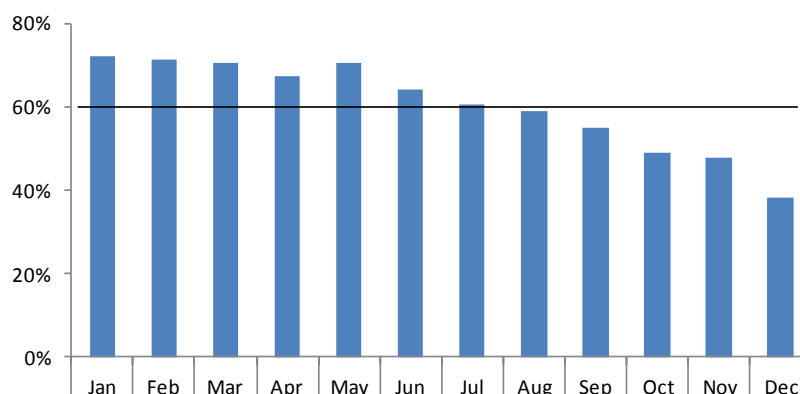
Table 6. Percentage change in syphilis diagnoses made in ISH clinics from Q1-Q2 2012 to Q1-Q2 2014, by LHB of residence, gender and sexuality

LHB	Group	Q1-Q2 2012	Q1-Q2 2014	% Change
Abertawe Bro Morgannwg University	Female	0	0	-
	Male*	6	5	-17%
	*of which MSM	2	1	-50%
	Total	6	5	-17%
Aneurin Bevan	Female	*	*	*
	Male*	*	*	*
	*of which MSM	*	*	*
	Total	3	3	0%
Betsi Cadwaladr University	Female	*	1	*
	Male*	*	15	*
	*of which MSM	*	11	*
	Total	2	16	700%
Cardiff & Vale University	Female	*	*	*
	Male*	*	*	*
	*of which MSM	*	*	*
	Total	5	5	0%
Cwm Taf	Female	*	1	*
	Male*	*	9	*
	*of which MSM	*	3	*
	Total	2	10	400%
Hywel Dda	Female	0	0	-
	Male*	4	0	-100%
	*of which MSM	0	0	-
	Total	4	0	-100%
Powys Teaching	Female	0	0	-
	Male*	0	0	-
	*of which MSM	0	0	-
	Total	0	0	-
All Wales	Female	0	4	-
	Male*	22	35	59%
	*of which MSM	11	20	82%
	Total	22	39	77%

- i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care
- ii) Recent figures may be incomplete due to delays in reporting
- iii) Diagnoses in Hywel Dda may be underreported as clinics in South Hywel Dda do not report to SWS
- iv) Residents in Wales only. Diagnoses of individuals with unknown residence location have been excluded (8%)
- v) The following KC60/SHHAPT codes were used: gonorrhoea (A1,A2)
- vi) Small numbers with potential for indirect disclosure of person identifiable information (*)

Appendix: Reporting completeness

Figure A1. Percentage of new and rebook attendances with at least one standardised code (SHHAPT, SRHAD, KC60), Wales 2014



i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care

ii) Data for attendances in the second half of 2014 are incomplete. Therefore, the number of attendances has been imputed in some cases (average attendances for the previous three months)

Table A1. Number of new and rebook attendances and percentage with at least one standardised code (SHHAPT, SRHAD, KC60) by clinic, Q1-Q2 2012 and Q1-Q2 2014, Wales

Clinic	Q1-Q2 2012		Q1-Q2 2014	
	Number	% with ≥1 standardised code	Number	% with ≥1 standardised code
1	274	99%	339	100%
2	585	100%	551	100%
4	763	99%	844	99%
7	1074	99%	1230	92%
8	227	98%	0	
9	90	100%	69	100%
11	5502	91%	8456	67%
12	143	100%	152	100%
15	552	98%	546	99%
16	1135	96%	1195	94%
17	672	95%	885	88%
19	168	99%	217	98%
21	201	98%	171	97%
23	1528	99%	1838	99%
26	3886	92%	7270	77%
27	8020	40%	13409	37%
28	96	100%	77	100%
34	851	86%	772	71%
35	132	98%	176	97%
37	1965	99%	3302	77%
38	924	98%	908	98%
40	8390	90%	11917	75%
41	1002	89%	933	76%
42	1799	94%	1846	59%
24	0		386	99%
32	0		1675	96%
43	0		397	92%
Wales	39984	83%	59561	69%

i) Diagnoses made in new patient and rebook patient attendances reported to SWS clinic. Rebook patient attendances are those were patients who are known to the clinic return for an unrelated episode of care

ii) Green: ≥90% attendances with at least one code; Orange: ≥80% and <90% attendances with at least one code; Red: <80% attendances with at least one code; Gray: Not in service