



UK Health
Security
Agency

GUMCAD STI Surveillance System Starter pack

Supplement to the GUMCAD STI Surveillance System clinical coding guidance

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Document control

Current version	<p>This document is intended to provide guidance to frontline staff responsible for capturing and entering GUMCAD data into systems and reporting to UK Health Security Agency (UKHSA).</p> <p>This document should be read in conjunction with GUMCAD: clinical coding guidelines and GUMCAD: data specification and technical guidance.</p>		
Current status	January 2026: final version		
Authors	Author name	Section	Date
	Mandy Yung Holly Mitchell Stephen Duffell	All	February 2013
Reviewers	Reviewer name	Section	Date
	Hamish Mohammed Gwenda Hughes	All	March 2013
	Stephen Duffell Mandy Yung	All	January 2015
	Stephen Duffell Mandy Yung Natasha Ratna	All	September 2018
	Ammi Shah Stephanie Migchelsen	All	March 2019
	Emily L Mason	PrEP	January 2021
	John Saunders Natasha Ratna	PrEP All	May 2021
	Stephen Duffell Ana Karina Harb Debbie Mou Holly Mitchel Stephanie Migchelsen	All	October 2021

GUMCAD STI Surveillance System: Starter pack

	Stephen Duffell Lana Drisdale-Gordon Ana Karina Harb	All	November 2025
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Glossary

Term	Definition
BV	Bacterial vaginosis
DE	HIV and STI Data Exchange
dPEP	Post-exposure prophylaxis
eSHS	Online sexual health services
FGM	Female genital mutilation
GP	General practitioner
HCW	Health care worker
HPV	Human papilloma virus
LSOA	Lower Layer Super Output Area
LA	Local authority
Mgen	Mycoplasma genitalium
MSM	Men who have sex with men
NCSP	National Chlamydia Screening Programme
NSGI	Non-specific genital infection
ODS	Organisation Data Service
OSP	Opposite sex partners
PII	Patient identifiable information
PID	Pelvic inflammatory disease
PSS	Patient software systems
SHHAPT	Sexual Health and HIV Activity Property Types (STI surveillance codes (introduced in 2011))
SHS	Sexual health service
SNOMED CT	Systematized Nomenclature of Medicine, Clinical Terms (STI surveillance codes)

Term	Definition
SRH	Sexual and reproductive health
STI	Sexually transmitted infections
UKHSA	UK Health Security Agency
UTI	Urinary tract infection
WSW	Women who have sex with women

Main points

GUMCAD STI Surveillance System

This document provides a summary of the GUMCAD STI Surveillance System. It should be read in conjunction with the [GUMCAD clinical coding guidance](#) (see [Other useful information](#)) which provides more detailed guidance on how to submit GUMCAD data to UKHSA.

What is the GUMCAD STI Surveillance System

The GUMCAD STI Surveillance System is an approved mandatory dataset that collects anonymised patient-level data on sexually transmitted infection (STI) diagnoses and services provided by specialist (Level 3) and non-specialist (Level 2) sexual health services (SHS).

Who needs to collect

All local authority commissioned specialist (Level 3) and non-specialist (Level 2) SHS (see Table 1).

Table 1. Sexual health services (SHS) by Clinic_Type

SHS	Clinic_Type
Specialist STI services	01 – Specialist Level 3
Integrated specialist STI and sexual and reproductive health (SRH) services	01 – Specialist Level 3
Integrated non-specialist STI and SRH services	02 – SRH Level 2
SRH services	02 – SRH Level 2
eSHS (online or internet services)	03 – Online Level 2
Enhanced general practitioner (GPs) [note 1]	04 – GP Level 2
Prison service	05 – Prison Level 2
Young people's services: for example Brook clinics	10 – Other Level 2
Other SHS: for example outreach programmes, termination of pregnancy services, Terrence Higgins Trust	10 – Other Level 2

Note 1: GPs that are commissioned to provide Level 2 SHS (Enhanced GPs), are no longer required to submit GUMCAD on a mandatory basis. However, submissions can be made on a voluntary basis if required.

Reporting period

Each submission covers one calendar quarter (Q1: January to March, Q2: April to June, Q3: July to September and Q4: October to December).

Frequency of reporting

Services are required to submit data no later than 6 weeks after the end of the calendar quarter (see [GUMCAD submission deadlines](#)).

Data format

The data format is a single comma delimited (CSV) file.

Data submission

Submissions must be made to UKHSA using the [HIV and STI Data Exchange \(DE\)](#).

GUMCAD data items

There are 64 data items (see [GUMCAD data item summary](#)).

Episode activity (STI coding)

Episode activity (such as tests, diagnoses and vaccinations) should be reported using SNOMED codes (SHHAPT codes have been retired) (see [Table 9. Episode activity codes](#)).

How to record and extract GUMCAD data

What to record

GUMCAD consists of 64 data items (see [GUMCAD data item summary](#)). Most items would be recorded when a patient accesses routine care at a SHS (such as patient demographics, episode activity and sex partners), whereas some items would only be recorded when a patient requires more complex care (such as partner notification (PN), HIV pre-exposure prophylaxis (PrEP) and alcohol and drug use).

How to record

UKHSA has worked with all the major providers of patient software systems (PSS) for SHS to ensure that GUMCAD data items can be recorded within their software. Contact the GUMCAD team or the provider of your PSS if you are unable to record any items.

When to record

Specialist (Level 3)

All patient consultations (covering the provision of STI, SRH or HIV care).

Non-specialist (Level 2)

All patient consultations (covering the provision of STI, SRH or HIV care).

How to extract data

Your PSS should have a GUMCAD data extraction tool as standard. Contact the provider of your PSS for guidance on how to extract data from your system.

SHS wishing to use their own bespoke data extraction tool must ensure that data coding and formats comply with the [GUMCAD data specification and technical guidance](#).

How to submit data

GUMCAD data contains patient identifiable information (PII) and should never be submitted via email. Data should only be submitted to UKHSA using the [HIV and STI DE](#) which enables data to be submitted securely over the internet.

Requests for user accounts for the DE should be sent to: gumcad@ukhsa.gov.uk

GUMCAD data item summary

Clinic of attendance

Table 2. Date items: clinic of attendance and patient demographics

Data item	Description	What to record (coding options)
ClinicID	Clinic ID code	Organisation code assigned by Organisation Data Service (ODS) [note 2]. Clinic ID should be automatically reported by PSS
Clinic_Type	The type of SHS and the level of services provided (2 or 3)	Specialist – L3 SRH – L2 Online – L2 Prison – L2 GP – L2 Other – L2 Other – L1

Note 2: the [ODS](#) provides unique identification codes for NHS organisations. Use the ODS search facility to find your Clinic ID (ODS code).

Patient demographics

Table 3. Data items: patient demographics

Data item	Description	What to record (coding options) [note 3]
PatientID	Individual patient identifier from your PSS	Patient ID assigned automatically by your PSS
Patient_Type	Special characteristics of the patient	Prisoner Sex worker
Gender_Identity	The patient's sense of their own gender, which may be different to their sex registered at birth	Male (including trans man) Female (including trans woman) Non-binary Other
Gender_Birth	Is the patient's gender identity the same as their gender registered at birth?	Yes No
Age	Age at consultation (in years)	PSS will calculate age based on the patient's date of birth and consultation date
Sex_Ori	The patient's sexual orientation	Straight Gay or lesbian Bisexual Other Unsure
Ethnicity	The patient's ethnic group	A standard list of ethnic group options should be available in your PSS
Country_Birth	The patient's country of birth	A standard list of countries should be available in your PSS
LA	Local authority (LA) of patient residence	PSS will calculate LA based on the patient's postcode
LSOA	Lower Layer Super Output Area (LSOA) of patient residence	PSS will calculate LSOA based on the patient's postcode

Note 3: coding options are also available for 'not stated', 'not known' and 'not applicable'.

Patient episode

Table 4. Data items: patient episode

Data item	Description	What to record (coding options) [note 4]
Consultation_Referral	The source of the patient's consultation (where were they referred from)?	Self-referral Online service SRH GP National Chlamydia Screening Programme (NCSP) Prison
Consultation_Date	The date of the patient's consultation	Log the patient consultation on the PSS
Consultation_Medium	The medium the consultation was conducted in	Face-to-face Online Telephone
Consultation_Type	The type of consultation type	New Follow-up
Consultation_Specialty	The specialty of the consultation (the type of care and services accessed by the patient)	Integrated STI and SRH STI SRH HIV Other
Consultation_PN	Is the consultation a result of PN (have they been referred because of PN follow-up)?	Yes No
Consultation_Symptomatic	Is the consultation a result of a symptomatic infection?	Yes No
Episode_Activity	SNOMED codes that define the STI diagnoses and services provided during the patient consultation (see Table 9. Episode activity codes)	Episode activity would typically be recorded at a new consultation as this is when testing and diagnosis would occur. However, new and follow-up consultations can both be reported with or without an episode activity code if required.

		Episode activity codes should be recorded on PSS during the consultation or as soon after the consultation as possible.
Diagnosis_Confirmed	Confirmation of diagnosis	Confirmed (at this SHS) Confirmed elsewhere (at a different SHS) Initial reactive
Diagnosis_Site	Site of infection	Genital Rectal Pharyngeal Ocular Other
Diagnosis_Treated	Has the diagnosis been treated?	Yes: treatment provided No: treatment not required No: referred elsewhere for treatment No: patient refused treatment No: patient walked out

Note 4: coding options are also available for 'not stated', 'not known' and 'not applicable'.

Sex partners

Table 5. Data items: sex partners

Data item	Description	What to record (coding options) [note 5]
Opposite sex partners (OSP) – men and women who have sex		
OSP	How many sex partners has the patient had in the last 3 months?	0 1 2 to 4 5+
OSP_New	Were any of these new sex partners (they had not had sex before)?	Yes No
OSP_CL	Did the patient have condomless vaginal or anal sex the last time they had sex?	Yes No
Same sex partners – men who have sex with men (MSM)		
MSM	How many sex partners has the patient had in the last 3 months?	0 1 2 to 4 5+
MSM_HIV_Pos	Did the patient have receptive or insertive anal sex with a known HIV positive partner in the last 3 months?	Yes No
MSM_CL	Did the patient have condomless receptive or insertive anal sex in the last 3 months?	Yes No
MSM_CL_Rec	Did the patient have receptive condomless penetrative sex in the last 3 months?	Yes No
Same sex partners – women who have sex with women (WSW)		
WSW	How many sex partners has the patient had in the last 3 months?	0 1 2 to 4 5+
WSW_New	Were any of these new sex partners (they had not had sex before)?	Yes No

Note 5: coding options are also available for 'not stated', 'not known' and 'not applicable'.

Partner notification (PN)

Table 6. Data items: partner notification (PN)

Data item	Description	What to record (coding options) [note 6]
PN_Date	Date of PN discussion (following diagnosis)	Date of initial PN discussion
PN_Partners	How many partners were reported for the STI(s) diagnosed?	Any number 0 to 999
PN_Contacts	How many partners were contactable?	Any number 0 to 999
PN_Contacts_Att_Rep	How many partners were reported by the patient to have accessed a SHS within 4 weeks?	Any number 0 to 999
PN_Contacts_Att_Ver	How many partners were verified by a health care worker (HCW) to have accessed a SHS within 4 weeks	Any number 0 to 999

Note 6: coding options are also available for 'not stated', 'not known' and 'not applicable.'

HIV pre-exposure prophylaxis (PrEP)

Table 7. Data items: HIV pre-exposure prophylaxis (PrEP)

Data item	Description	What to record (coding options) [note 7]
PrEP_Eligibility	The patient's eligibility criteria for accessing PrEP	MSM or transgender woman HIV positive partner Other high risk
PrEP_Uptake	The outcome of the offer of PrEP	Accepted Declined: patient choice Declined: obtained from another source
PrEP_Regimen	The PrEP regimen prescribed	Daily Event based (coital) Injections (any length of protection)
PrEP_Prescription	What PrEP was prescribed (tablets or injections)?	30 tablets 60 tablets 90 tablets 180 tablets Injection – 1 month (of protection) Injection – 2 months (of protection) Injection – 6 months (of protection) Injection – 12 months (of protection) Injection – other length of protection Other amount
PrEP_Stop_Reason	If PrEP has been stopped, what was the reason?	Adverse event HIV acquisition Patient choice No longer eligible Other reason

Note 7: coding options are also available for 'not stated', 'not known' and 'not applicable'.

Alcohol and recreational drug use

Table 8. Data items: alcohol and recreation drug use

Data item	Description	What to record (coding options) [note 8]
Alcohol_1	Was alcohol use assessed?	Yes No
Alcohol_2	Was alcohol use assessed as problematic?	Yes No
Drugs_Used	Has the patient used recreational drugs in the last 3 months?	Yes No
Drugs (1 to 16)	Did the patient take any of these recreational drugs (select all that apply)?	Amphetamine (Speed) Benzodiazepines (non-prescribed) Cannabis Cocaine Crack Crystal Meth (Methamphetamine) Ecstasy (E or MDMA) GHB (GBL) Heroin Ketamine Mephedrone (M-Cat) Methadone Novel psychoactive substances Poppers Solvents or Glue Other recreational drug
Drugs_Inject	Did the patient inject any recreational drugs in the last 3 months?	Yes No
Drugs_Share_Eqp	Did the patient share equipment with anyone when injecting drugs?	Yes No
Drugs_Sex	Was the patient under the influence of recreational drugs the last time they has sex?	Yes No

Note 8: coding options are also available for 'not stated', 'not known' and 'not applicable'.

Episode activity codes: STI diagnoses and services

Table 9. Episode activity codes – STI diagnoses and services

Episode activity: diagnoses and findings	SNOMED	SHHAPT
Balanitis: other causes	44882003	C6C
Balanitis: anaerobic balanitis	236746000	C6B
Candidiasis (anogenital)	240707005	C7
Cervical cytology: mild dyskaryosis	269959007	P4A
Cervical cytology: moderate dyskaryosis	269961003	P4B
Cervical cytology: severe dyskaryosis	269960002	P4B
Chancroid	266143009	C1
CSE: internal assessment	1086791000000109	CSE1
CSE: referred to internal safeguarding	1086821000000104	CSE2
CSE: referred to external safeguarding	1086831000000102	CSE3
Chlamydia	240589008	C4
Domestic violence (or abuse)	1087071000000109	DV
Donovanosis	240606006	C3
Epididymitis	31070006	C5A
Female genital mutilation (FGM) any type	95041000119101	FGM
Gonorrhoea	15628003	B
Gonorrhoea: disseminated gonococcal infection	762257007	BD
Hepatitis A: acute infection	25102003	C15
Hepatitis A immune	278971009	O22
Hepatitis B: first diagnosis	66071002	C13
Hepatitis B immune	271511000	P2I
Hepatitis C: first diagnosis	50711007	C14
Herpes: first episode (genital)	186538004	C10A
Herpes: recurrent episode (genital)	240479006	C10B
HIV: new diagnosis	86406008	H1
HIV: new diagnosis – acute	111880001	H1A
HIV: new diagnosis – late (AIDS defined)	62479008	H1B
HIV: related care	504871000000109	H2
HIV: known positive	699433000	H
Human papilloma virus (HPV) positive – high risk	720005005	C17

Episode activity: diagnoses and findings	SNOMED	SHHAPT
Lymphogranuloma venereum	186946009	C2
Meningococcal infection	23511006	MGI
Molluscum contagiosum	40070004	C12
Mpox positive	1290641000000103	MPVP
Mycoplasma genitalium (Mgen)	240594008	C16
Non-specific genital infection (NSGI)	774911000000100	C4N
Ophthalmia neonatorum	34298002	C5B
Pediculosis pubis	71011005	C9
Pelvic inflammatory disease (PID)	198130006	C5A
Pregnant: 1 to 12 weeks	57630001	PR1
Pregnant: 13 to 28 weeks	59466002	PR2
Pregnant: 29 to 40 weeks	41587001	PR3
Proctitis	3951002	C4NR
Scabies	128869009	C8
Sexual assault: acute presentation	422608009	40
Sexual assault: non-acute presentation	422608009	41
Shigella: flexneri (group B)	34335000	SG1
Shigella: sonnei (group D)	69794009	SG2
Shigella: other or unspecified	111817006	SG3
Syphilis: cardiovascular syphilis	83883001	A4
Syphilis: congenital syphilis	35742006	A7A
Syphilis: early latent syphilis	186867005	A3
Syphilis: neurosyphilis	26039008	A5
Syphilis: ocular syphilis	410478005	A10
Syphilis: otosyphilis	1092491000000102	A11
Syphilis: other late and latent syphilis	186903006	A6
Syphilis: primary syphilis	266127002	A1
Syphilis: secondary syphilis	240557004	A2
Trichomoniasis	56335008	C6A
Trichophyton mentagrophytes	403080000	C6D
Urinary tract infection (UTI)	68566005	D2A
Vaginitis: other causes	30800001	C6C
Vaginosis: bacterial vaginosis (BV)	419760006	C6B
Warts: first episode (genital)	240542006	C11A

Episode activity: diagnoses and findings	SNOMED	SHHAPT
Warts: recurrent episode (genital)	1097561000000105	C11D
Episode activity: services	SNOMED	SHHAPT
Cervical cytology: performed	171149006	P4
PN: chlamydia contact	444418002	PNC
PN: gonorrhoea contact	444376008	PNG
PN: hepatitis A contact	444500002	O23
PN: HIV contact	444356002	PNH
PN: Mpox contact	1310721000000106	PNMPV
PN: NSGI contact	444458000	PNN
PN: PID or epididymitis contact	407560009	PNP
PN: syphilis contact	444380003	PNS
PN: trichomoniasis contact	444452004	PNT
Post exposure prophylaxis: HIV sexual exposure	473382005	PEPS
Post exposure prophylaxis: STI exposure (dPEP)	736459001	dPEP
Screen: chlamydia and gonorrhoea tests	–	T2
Screen: chlamydia, gonorrhoea and syphilis tests	–	T3
Screen: chlamydia, gonorrhoea, syphilis and HIV tests	–	T4
Screen: syphilis and HIV tests	–	T7
Test: chlamydia test	442487003	T1
Test: chlamydia test declined	412718006	T11
Test: gonorrhoea test	1086351000000100	T1G
Test: gonorrhoea test declined	200651000000103	T15
Test: hepatitis A test	1086371000000109	T6A
Test: hepatitis B test	171122006	T6B
Test: hepatitis C test	413107006	T6C
Test: herpes (HSV) test	1086361000000102	T5
Test: HIV test	171121004	P1A
Test: HIV test declined	1086751000000101	P1B
Test: HIV test inappropriate	768801000000109	P1C
Test: HPV test	700152009	T14
Test: Mpox test	1290661000000102	MPVT
Test: Mgen test	1086331000000107	T12
Test: syphilis test	1086341000000103	T1S

Episode activity: services	SNOMED	SHHAPT
Test: syphilis test declined	202261000000101	T16
Test: trichomonas test	395057007	T13
Vaccination: gonorrhoea 4CMenB – 1st dose	720539004	MBVD1
Vaccination: gonorrhoea 4CMenB – 2nd dose	720540002	MBVD2
Vaccination: gonorrhoea 4CMenB – booster	720544006	MBVDB
Vaccination: gonorrhoea 4CMenB – course already completed	957581000000102	MBVDX
Vaccination: gonorrhoea 4CMenB – declined	720548009	MBVD0
Vaccination: hepatitis A – 1st dose	571511000119102	O20
Vaccination: hepatitis A – 2nd dose	170379004	O21
Vaccination: hepatitis A – 3rd dose	170380001	O21
Vaccination: hepatitis B – 1st dose	170370000	P2A
Vaccination: hepatitis B – 2nd dose	170371001	P2B
Vaccination: hepatitis B – 3rd dose	170372008	P2C
Vaccination: hepatitis B – 4th dose	170374009	P2D
Vaccination: hepatitis B – booster	170373003	P2E
Vaccination: HPV – 1st dose	428741008	W1
Vaccination: HPV – 2nd dose	429396009	W2
Vaccination: HPV – 3rd dose	428931000	W3
Vaccination: HPV – declined	438765003	W4
Vaccination: HPV – course already completed	1086381000000106	W5
Vaccination: Mpox – 1st dose	307416007	MPVD1
Vaccination: Mpox – 2nd dose	170360002	MPVD2
Vaccination: Mpox – 3rd dose	170361003	MPVD3
Vaccination: Mpox – course already completed	1373911000000103	MPVD4
Vaccination: Mpox – contraindicated	719325005	MPVD5
Vaccination: Mpox – declined	1373861000000107	MPVDX

Other useful information

GUMCAD guidance

The GUMCAD webpage provides information on:

- [clinical coding guidance](#) for HCWs
- [technical guidance](#) for data managers
- [minimum reporting guidance](#) for online services
- [self-sampling guidance](#) for online services
- [chlamydia reporting guidance](#) for CTAD and GUMCAD
- [GUMCAD submission deadlines](#)
- [how to access GUMCAD data reports](#)

HIV and STI data publication guidelines

The [HIV and STI data publication guidelines](#) are important guidelines concerning the confidential nature of GUMCAD data and how it should be accessed, shared and published.

HIV and STI Data Exchange (DE)

The [HIV and STI DE](#) is the UKHSA's web-based facility used for submitting GUMCAD data and accessing GUMCAD data reports.

Requests for user accounts should be sent to: gumcad@ukhsa.gov.uk

Contact information

Contact the GUMCAD team at: gumcad@ukhsa.gov.uk

About the UK Health Security Agency

UK Health Security Agency (UKHSA) prevents, prepares for and responds to infectious diseases, and environmental hazards, to keep all our communities safe, save lives and protect livelihoods. We provide scientific and operational leadership, working with local, national and international partners to protect the public's health and build the nation's health security capability.

[UKHSA](#) is an executive agency, sponsored by the [Department of Health and Social Care](#).

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Blood Safety, Hepatitis, Sexually Transmitted Infections (STIs) and HIV Service, Public Health and Clinical Group, UK Health Security Agency

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