



UK Health  
Security  
Agency

# GUMCAD STI Surveillance System

## Starter pack

Supplement to the GUMCAD STI Surveillance System clinical guidelines

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# Document control

<b>Current version</b>	<p>Document intended to provide guidance to front line staff responsible for capturing and entering GUMCAD data into systems and reporting to UK Health Security Agency (UKHSA).</p> <p>Document should be read in conjunction with the <a href="#">GUMCAD: clinical guidelines</a> and <a href="#">GUMCAD: data specification and technical guidance</a>.</p>		
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GUMCAD STI Surveillance System: starter pack

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# Key points

## GUMCAD STI Surveillance System

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

## What is the GUMCAD STI Surveillance System

An anonymised patient-level electronic dataset which collects information on diagnoses made and services provided by specialist (Level 3) and non-specialist (Level 2) services. The GUMCAD STI Surveillance System supersedes GUMCADv2 and is an approved mandatory dataset.

## Who needs to collect

All commissioned specialist (Level 3) and non-specialist (Level 2) sexual health services in the table below are required to collect information on STI diagnoses and service provision.

### Sexual health services by Clinic\_Type

Sexual Health Service	Clinic_Type
Specialist STI services (GUM)	01 – Specialist – Level 3
Integrated Specialist STI and SRH services (GUM and SRH)*	01 – Specialist – Level 3
Integrated Non-specialist STI and SRH services (STI and SRH)	02 – SRH Level 2
SRH Services	02 – SRH – Level 2
eSHS (Online or internet Sexual Health Services)	03 – Online – Level 2
Enhanced GPs	04 – GP – Level 2
Prison Service	05 – Prison – Level 2
Young People’s Services for example Brook clinics	10 – Other – Level 2
Other Sexual Health Services for example outreach programmes, termination of pregnancy services, Terrence Higgins Trust	10 – Other – Level 2

GPs that are commissioned to provide Level 2 Sexual Health services (Enhanced GPs), are no longer required to submit GUMCAD on a mandatory basis – however, submissions can be made on a voluntary basis if required. Enhanced GPs should contact their service commissioner to determine whether they are required to make voluntary submissions. Any Enhanced GPs that wish to make voluntary submissions will need to provide their own GUMCAD reporting software.

## 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.

## Data format

A single comma delimited (CSV) file.

## Data submission

Submissions must be made to UKHSA through the [HIV and STI Data Exchange \(HSDE\)](#). See [Other useful information](#) section.

## GUMCAD data items

Sixty-four data items (see [Summary of GUMCAD data items](#)).

## Episode activity (STI coding)

All NHS primary care services (including sexual health) are expected to be SNOMED (as of April 2020). Therefore, GUMCAD episode activity data should now be reported using SNOMED codes (instead of SHHAPT or READ codes). However, UKHSA will continue to accept SHHAPT and READ codes in GUMCAD extracts to facilitate ongoing SNOMED implementation; SHHAPT and READ codes will be retired once SNOMED implementation is complete and all sexual health services are reporting SNOMED codes. Code look-ups can be found in the [GUMCAD: data specification and technical guidance](#) document.

# How to record and extract GUMCAD data

## What to record

GUMCAD consists of 64 data items. Most items should be routinely recorded when a patient presents to the service with a sexual health related issue. Some items are only recorded when relevant to patient care. The list of data items can be found under [Summary tables of GUMCAD data items](#) below.

GUMCAD is an approved mandatory dataset. All eligible services and associated software providers should ensure they have the appropriate infrastructure in place to complete this dataset.

## How to record

The GUMCAD team at UKHSA has worked with all the major software providers of sexual health services to ensure that GUMCAD data items can be recorded in their software. Please contact the GUMCAD team or your software provider if you are unable to record any items.

## When to record

### Specialist (Level 3)

All patient consultations.

### Non-specialist (Level 2)

Only patients attending for sexual health related issues. Table '[Episode Activity: list of GUMCAD diagnoses and services](#)' provides the diagnoses, conditions and services indicating when GUMCAD data should be submitted, that is an episode that can be coded using SHHAPT, READ or SNOMED (see [GUMCAD: data specification and technical guidance](#) document for code look-up tables).

## How to extract data

Your patient software system should have a GUMCAD data extraction tool as standard. Please contact your software provider for guidance on how to extract data from your system.

Services wishing to use their own bespoke data extraction tool must ensure that data coding and formats comply with GUMCAD data requirements. Please review the [GUMCAD: data specification and technical guidance](#) document (see [Other useful information section](#)).



## How to submit data

GUMCAD data contains patient identifiable information (PII) and should NEVER be submitted via email.

Data extracts should only be submitted to UKHSA using the [HIV and STI Data Exchange \(HSDE\)](#). The HSDE enables data to be submitted in a secure manner across the internet using the Transport Layer Security (TLS) method of communication.

Requests for user accounts for the HSDE should be sent to: [gumcad@phe.gov.uk](mailto:gumcad@phe.gov.uk)

# Summary tables of GUMCAD data items

## Patient registration information at first consultation

Field name	Description	What to record			
<b>ClinicID</b>	Clinic ID code.	ODS <sup>1</sup> assigned code. Clinic ID should be automatically updated by patient software system.			
<b>Clinic_Type</b>	Characteristics of sexual health service.	<b>Options</b>			
		Specialist - L3	SRH - L2	Online - L2	GP - L2
		Prison - L2	Other - L2	Other - L1	
<b>PatientID</b>	Local patient identifier number.	Enter local patient ID usually assigned automatically by patient software.			
<b>Patient_Type</b>	Characteristics of patient.	<b>Options</b>			
		Prisoner	Sex worker	Not applicable	
<b>Gender_Identity</b>	Patient stated gender.	<b>Options</b>			
		Male (including trans man)	Female (including trans woman)	Non-binary	
		Other	Not Stated	Not Known	
<b>Gender_Birth</b>	Is the patient's gender identity the same as the gender assigned at birth?	<b>Options</b>			
		Yes		No	
		Not Stated		Not Known	
<b>Age</b>	Age at consultation (in years).	Enter patient's date of birth and the patient software will generate their age (at consultation).			
<b>Sex_Ori</b>	The patient's sexual orientation should be ascertained as part of the sexual history taken during the clinical consultation.	<b>Options</b>			
		Heterosexual or Straight	Gay or Lesbian	Bisexual	Other
		Unsure	Not Stated	Not Known	

Field name	Description	What to record
<b>Ethnicity</b>	A self-defined classification of a person's ethnic group.	Standard ethnic group options should be available from your patient software.
<b>Country_Birth</b>	A self-defined classification of a person's country of birth.	A standard list of countries should be available from your patient software.
<b>LA</b>	Local Authority (LA) of residence code.	Enter the patient's postcode and the patient software will generate their LA of residence.
<b>LSOA</b>	Lower Layer Super Output Area (LSOA) of residence code.	Enter the patient's postcode and the patient software will generate their LSOA of residence.

<sup>1</sup>[Organisation Data Service \(ODS\)](#) provides unique identification codes for organisational entities of interest to the NHS. Please contact ODS for your Clinic ID if you do not know it ([Exeter.helpdesk@nhs.net](mailto:Exeter.helpdesk@nhs.net)).

## Consultation information

Field name	Description	What to record		
<b>Consultation_Referral</b>	The source of the patient's consultation.	<b>Options</b>		
		Self-referral	SRH (referral from)	GP (referral from)
		Prison (referral from)	NCSP (referral from)	Online service (referral from)
<b>Consultation_Date</b>	The date of the patient's consultation at the service.	Log the patient consultation on the patient software		
<b>Consultation_Medium</b>	The medium in which the consultation is conducted.	<b>Options</b>		
		Face to face	Telephone	Online
<b>Consultation_Type</b>	The consultation type ('new' or 'follow-up').	<b>Options</b>		
		New	Follow-up	
<b>Consultation_Specialty</b>	Specialty of the consultation (the type of services accessed by the patient).	<b>Options</b>		
		Integrated STI and SRH care	STI Care	SRH Care
		HIV Care	Other Care	
<b>Consultation_PN</b>	Is the consultation a result of partner notification (is the patient a PN contact)?	<b>Options</b>		
		Yes	No	
<b>Consultation_Symptomatic</b>	Is the consultation a result of a symptomatic infection?	<b>Options</b>		
		Yes	No	

## Clinical details (Episode activity)

Field name	Description	What to record			
<b>Episode_Activity</b>	<p>SNOMED, SHHAPT or READ codes used to identify STI diagnoses and services received at the sexual health service.</p> <p>Your patient software will determine which code type you use. A full list of episode activity codes can be found in the GUMCAD STI Surveillance Clinical Guidelines.</p>	<p>Episode activity codes would typically be recorded at a new consultation as this is when testing and or diagnosis would occur. However, new and follow-up consultations can both be reported with or without an episode_activity code if required STI codes should be recorded on the patient software during the consultation or immediately after the consultation where this is not possible, for example where test results are awaited.</p>			
<b>Diagnosis_Confirmed</b>	Confirmation of diagnosis.	<b>Options</b>			
		Confirmed (at this service)	Confirmed elsewhere (at a different service)	Initial Reactive	Not applicable
<b>Diagnosis_Site</b>	Site of infection	<b>Options</b>			
		Genital	Rectal	Pharyngeal	
		Ocular	Other	Not applicable	
<b>Diagnosis_Treated</b>	Treatment of diagnosis	<b>Options</b>			
		Yes – Treatment provided	No – Treatment not required	No – Referred elsewhere for treatment	
		No – Patient refused treatment	No – Patient walked out	Not applicable	

## Sexual risk information

Field name	Description	What to record			
<b>Opposite sex partners – men and women who have sex</b>					
OSP	How many sex partners has the patient had in the last 3 months?	<b>Options</b>			
		0	1	2 to 4	5 +
		Not Stated	Not Known	Not applicable (person not asked)	
OSP_New	Were any of these new sex partners (that is patient has not had sex with them before)?	<b>Options</b>			
		Yes	No	Not Stated	
OSP_CL	Did the patient have condomless vaginal or anal sex the last time they had sex?	Not Known		Not applicable (person not asked)	
<b>Same sex partners – men who have sex with men</b>					
MSM	How many sex partners has the patient had in the last 3 months?	<b>Options</b>			
		0	1	2 to 4	5 +
		Not Stated	Not Known	Not applicable (person not asked)	
MSM_HIV_Pos	Did the patient have receptive or insertive anal sex with a known HIV positive partner in the last 3 months?	<b>Options</b>			
MSM_CL	Did the patient have condomless receptive or insertive anal sex in the last 3 months?	Yes	No	Not Stated	
MSM_CL_Rec	Did the patient have <b>receptive</b> condomless penetrative sex in the last 3 months?	Not Known		Not applicable (person not asked)	
<b>Same sex partners – women who have sex with women</b>					
WSW	How many sex partners has the patient had in the last 3 months?	<b>Options</b>			
		0	1	2 to 4	5 +

		Not Stated	Not Known	Not applicable (person not asked)
<b>WSW_New</b>	Were any of these new sex partners (that is patient has not had sex with them before)?	<b>Options</b>		
		Yes	No	Not Stated
		Not Known		Not applicable (person not asked)

## Partner notification (PN)

Field name	Description	What to record	
<b>PN_Date</b>	Date of PN discussion after diagnosis	Date of initial PN discussion	
<b>PN_Partners</b>	How many partners were reported for the STI(s) diagnosed?	<b>Options</b>	
		Any number 0-999	Not applicable (person not asked)
<b>PN_Contacts</b>	How many partners were contactable?		
<b>PN_Contacts_Att_Rep</b>	How many partners were reported by the patient to have accessed a sexual health service within 4 weeks of discussion?		
<b>PN_Contacts_Att_Ver</b>	How many partners were verified by a HCW to have accessed a sexual health service within 4 weeks of the discussion?		

## Information on PrEP

Field name	Description	What to record				
<b>PrEP_Eligibility</b>	The patient's eligibility criteria for accessing PrEP.	<b>Options</b>				
		MSM or transgender woman		HIV positive partner		
		Other high risk		Not applicable (person not asked)		
<b>PrEP_Uptake</b>	The outcome of the PrEP offer.	<b>Options</b>				
		Accepted		Declined – patient choice		
		Declined – obtained at another source		Not applicable (person not asked)		
<b>PrEP_Regimen</b>	The PrEP regimen prescribed.	<b>Options</b>				
		Daily (or near daily)	Event based (coital)	Not Stated		
		Not Known		Not applicable (person not asked)		
<b>PrEP_Prescription</b>	The number of PrEP tablets prescribed.	<b>Options</b>				
		30 tablets	60 tablets	90 tablets	180 tablets	Other Amount
		Not Stated	Not Known	Not applicable (person not asked)		
<b>PrEP_Stop_Reason</b>	If PrEP has been stopped, what was the reason?	<b>Options</b>				
		Adverse event	HIV acquisition	Patient choice	No longer eligible	
		Other	Not Stated	Not Known	Not applicable (person not asked)	



## Information on drug and alcohol

Field name	Description	What to record		
<b>Alcohol_1</b>	Was alcohol use assessed?	<b>Options</b>		
<b>Alcohol_2</b>	Was alcohol use assessed as problematic?	Yes	No	Not Stated
<b>Drugs_Used</b>	Has the patient used recreational drugs in the last 3 months?	Not Known	Not applicable (person not asked)	
<b>Drugs (1 to 16)</b>	Did the patient take any of the drugs listed (multiple drugs can be selected)?	<b>Options</b>		
		Amphetamine / Speed	Heroin	
		Benzodiazepines (non-prescribed)	Ketamine	
		Cannabis	Novel psychoactive substances	
		Cocaine	Mephedrone (M-Cat)	
		Crack	Methadone	
		Crystal Meth / Methamphetamine	Poppers	
		Ecstasy / E / MDMA	Solvents / Glue	
		GHB / GBL	Other recreational drug (not listed)	

Field name	Description	What to record		
<b>Drugs_Inject</b>	Did the patient inject any recreational drug in the last 3 months?	<b>Options</b>		
		Yes	No	Not Stated
<b>Drugs_Share_Eqp</b>	Did the patient share equipment with anyone when injecting drugs?	Not Known	Not applicable (person not asked)	
<b>Drugs_Sex</b>	Was the patient under the influence of recreational drugs the last time they had sex?			

## Episode activity: list of GUMCAD diagnoses and services

Condition, diagnosis, disease, finding or service			
Bacterial vaginosis (BV) and anaerobic balanitis		PID and epididymitis	
Balanitis / vaginitis / vaginosis (other causes)		Partner notification (contacts)	Chlamydia
Candidiasis			Gonorrhoea
Cervical cytology	Cytology performed		Hepatitis A
	Minor abnormality		HIV
	Major abnormality		NSGI
Chancroid			PID / epididymitis
Chlamydia			Syphilis
Child sexual exploitation * (concerns)	Raised at internal assessment	Trichomoniasis	
	Raised with internal professionals	Post exposure prophylaxis sexual exposure (PEP)	
	Referred to external professionals	Pregnancy	1 to 12 weeks
Domestic violence or abuse (concerns) *	13 to 28 weeks		
Donovanosis	29 to 40 weeks		
FMG * (Female genital mutilation)		Scabies	
Gonorrhoea		Sexual assault	Acute – within 7 days
Hepatitis A	Acute infection		Non-acute – more than 7 days
	Immune	Flexneri	
	Vaccination	1st dose	Shigella
2nd dose		Other / unspecified	
Hepatitis B	1st diagnosis	Syphilis	Cardiovascular
	Immune		Congenital

	Vaccination	1st dose		Early latent
		2nd dose		Neurosyphilis
		3rd dose		Ocular *
		4th dose		Other late and latent
		Booster		Otosyphilis *
<b>Hepatitis C</b>	1st diagnosis		<b>Testing (HIV and STIs)</b>	Primary
<b>Herpes (genital)</b>	1st episode			Secondary
	Recurrent episode			Chlamydia only
<b>HIV</b>	Known positive			Chlamydia test declined *
	New diagnosis			Chlamydia and gonorrhoea
	New diagnosis – acute infection		Chlamydia, gonorrhoea and syphilis	
	New diagnosis – AIDS defined		Chlamydia, gonorrhoea, syphilis and HIV	
	HIV related care		Hepatitis A / B / C	
<b>HPV</b>	Vaccination	1st dose	HIV test	
		2nd dose	HIV test not appropriate	
		3rd dose	HIV test declined	
		Declined *	HSV (herpes simplex virus)	
		Previously completed *	Mycoplasma genitalium *	
		<b>LGV – Lymphogranuloma venereum</b>		
<b>Molluscum contagiosum</b>			Syphilis and HIV	
<b>Mycoplasma genitalium</b>			<b>Trichomoniasis</b>	
<b>NSGI – Non-specific genital infection</b>			<b>UTI</b>	Urinary tract infection
<b>Ophthalmia neonatorum</b>			<b>Warts (genital)</b>	1st episode
<b>Pediculosis pubis</b>				Recurrent episode

\* New SHHAPT coding released in 2018.

## Other useful information

### GUMCAD STI Surveillance System webpage

The GUMCAD webpage provides information on:

- how to submit – including the following guidelines
  - clinical guidelines (for health care workers)
  - technical guidelines (for data managers)
  - self-sampling (online) services
- when to submit – quarterly submission deadlines, guidance on how to collect and how and when to submit data to GUMCAD, and how to access GUMCAD data and reports are available at [How to access GUMCAD data reports](#)

### HIV and STI data sharing policy

Important guidelines concerning the confidential nature of GUMCAD data and how it should be accessed and shared can be found in the [HIV and STI data sharing policy](#).

### HIV and STI Data Exchange

The [HIV and STI Data Exchange](#) 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@phe.gov.uk](mailto:gumcad@phe.gov.uk)

## Contact information

Please contact the GUMCAD team at: [gumcad@phe.gov.uk](mailto:gumcad@phe.gov.uk)

# About the UK Health Security Agency

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

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For queries relating to this document, please contact: [gumcad@phe.gov.uk](mailto:gumcad@phe.gov.uk)

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