

What do young people want from sexually transmitted infection testing services? A systematic review.

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Supplementary File 1. Search Strategy

1. PUBMED

Set	Search	Results
#1	(STD OR STI OR HIV OR sexual health OR genitourinary) AND (service* OR test* OR diagnosis OR management OR treatment OR care) AND (prefer* OR satisfaction OR acceptability OR perspective* OR perception* OR qualitative OR value* OR experience*)	155,079
#2	(((((sexually transmitted infection[MeSH Terms]) OR sexually transmitted disease[MeSH Terms]) AND (sexual health service[MeSH Terms]) OR health service)))	2,513,004
#3	((((((sexually transmitted disease[MeSH Terms]) OR STI) OR STD) OR Sexually transmitted infection[MeSH Terms])) AND (((((diagnosis[MeSH Terms]) OR service) OR Testing))) AND (((((Perspective) OR Perception) OR acceptability) OR Preference) OR Satisfaction) OR experience))	7998
#4	((((((sexually transmitted disease[MeSH Terms]) OR STI) OR STD) OR Sexually transmitted infection[MeSH Terms])) AND (((((diagnosis[MeSH Terms]) OR service) OR Testing))) AND (((Perspective) OR Perception) OR acceptability)))	342
#5	(((((sexually transmitted disease[MeSH Terms]) OR sexually transmitted infection[MeSH Terms]) OR STI) OR STD) AND Sexual health service[MeSH Terms]) AND internet[MeSH Terms]	342
#6	((((((sexually transmitted disease[mesh terms]) or std or sexually transmitted infection[mesh terms]) or sti and health service) and preference)) and testing)	216
#7	((((((sexually transmitted disease[mesh terms]) or std or sexually transmitted infection[mesh terms]) or sti and sexual health service) and preference)) and testing)	213
#8	(((((sexually transmitted infection[MeSH Terms]) OR sexually transmitted disease[MeSH Terms]) AND patient preference[MeSH Terms]))	179
#9	((((((sexually transmitted infection[MeSH Terms]) OR sexually transmitted disease[MeSH Terms]) AND sexual health service[MeSH Terms]))) AND preference	135
#10	((((((sexually transmitted disease[mesh terms]) or std or sexually transmitted infection[mesh terms]) or sti and sexual health service) and testing))) AND patient preference[MeSH Terms]	70
#11	((((((sexually transmitted disease[MeSH Terms]) OR sexually transmitted infection[MeSH Terms]) OR STI) OR STD) AND Sexual health service[MeSH Terms])) AND patient preference[MeSH Terms]	48

2. EMBASE

Set	Search	Results

#1	((STD or STI or HIV or sexual health or genitourinary) and (service* or test* or diagnosis or management or treatment or care) and (prefer* or satisfaction or acceptability or perspective* or perception* or qualit* or value* or experience*)).af.	93,747
#2	((Sexually transmitted infection or STI).kw. or STD.af. or Sexually transmitted disease.af.) and health service.af. and testing.af.	1154
#3	(STD OR STI OR HIV OR sexual health OR genitourinary) AND (service* OR test* OR diagnosis OR management OR treatment OR care) AND (prefer* OR satisfaction OR acceptability OR perspective* OR perception* OR qualit* OR value* OR experience*).kw.	804
#4	((Sexually transmitted infection or sexually transmitted disease).kw. or STI.af. or STD.af.) and testing.kw.	590
#5	((Sexually transmitted infection or sexually transmitted disease).kw. or STI.af. or STD.af.) and internet.kw.	84

3. PsychINFO

Set	Search	Results
#1	((STD or STI or HIV or sexual health or genitourinary) and (service* or test* or diagnosis or management or treatment or care) and (prefer* or satisfaction or acceptability or perspective* or perception* or qualit* or value* or experience*)).af.	98,305
#2	(Sexually transmitted infection.mh. or STI.af. or sexually transmitted disease.mh. or STD.af.) and (testing.af. or diagnosis.af. or service.mh.) and (preference.mh. or perspective.af. or perception.af. or acceptability.af. or Satisfaction.af. or experience.af.)	6186
#3	((Sexually transmitted infection or sexually transmitted disease) and patient preferences).mh. and testing.af. and health service.mh.) or sexual health service.af.	163
#4	(Sexually transmitted infection.mh. or STI.af. or sexually transmitted disease.mh. or STD.af.) and patient preference.mh.	24
#5	((Sexually transmitted infection or sexually transmitted disease) and patient preferences).mh. and testing.af. and health service.mh.) or sexual health service.af.	0
#6	(Sexually transmitted infection.mh. or STI.af. or sexually transmitted disease.mh. or STD.af.) and sexual health service.mh. and patient preference.af.	0

4. CINAHL

Set	Search	Results
#1	(STD OR STI OR HIV OR sexual health OR genitourinary) AND (service* OR test* OR diagnosis OR management OR treatment OR care) AND (prefer* OR satisfaction OR acceptability OR perspective* OR perception* OR qualit* OR value* OR experience*)	26,222
#2	sexually transmitted diseases OR MW sexually transmitted infections AND MW sexual health services AND MW patient preference AND MW testing	5421
#3	sexually transmitted diseases OR MW sexually transmitted infections AND MW sexual health services AND MW patient preference	5421

#4	(((((((sexually transmitted disease[MeSH Terms]) OR STI) OR STD) OR Sexually transmitted infection[MeSH Terms]))) AND (((((diagnosis[MeSH Terms]) OR service) OR Testing))) AND (((((Perspective) OR Perception) OR acceptability) OR Preference) OR Satisfaction) OR experience))	336
#5	(sexually transmitted diseases or sexually transmitted infections or sti or std) AND MW patient preference AND MW sexual health services	0

Supplementary File 2. PRISMA Checklist

Section/topic	#	Checklist item	Reported on page #
TITLE			
Title	1	Identify the report as a systematic review, meta-analysis, or both.	1
ABSTRACT			
Structured summary	2	Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.	2
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known.	3
Objectives	4	Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).	3
METHODS			
Protocol and registration	5	Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number.	5
Eligibility criteria	6	Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale.	5-6
Information sources	7	Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched.	5-6
Search	8	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	Supplementary file 1
Study selection	9	State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).	5
Data collection process	10	Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.	6
Data items	11	List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.	N/A
Risk of bias in individual studies	12	Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis.	Supplementary file 3

Summary measures	13	State the principal summary measures (e.g., risk ratio, difference in means).	N/A
Synthesis of results	14	Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I ²) for each meta-analysis.	N/A
Risk of bias across studies	15	Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies).	N/A
Additional analyses	16	Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified.	N/A
RESULTS			
Study selection	17	Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram.	5-6
Study characteristics	18	For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations.	5-6
Risk of bias within studies	19	Present data on risk of bias of each study and, if available, any outcome level assessment (see item 12).	Supplementary file 3
Results of individual studies	20	For all outcomes considered (benefits or harms), present, for each study: (a) simple summary data for each intervention group (b) effect estimates and confidence intervals, ideally with a forest plot.	N/A
Synthesis of results	21	Present results of each meta-analysis done, including confidence intervals and measures of consistency.	N/A
Risk of bias across studies	22	Present results of any assessment of risk of bias across studies (see Item 15).	N/A
Additional analysis	23	Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).	N/A
DISCUSSION			
Summary of evidence	24	Summarize the main findings including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy makers).	18-22
Limitations	25	Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e.g., incomplete retrieval of identified research, reporting bias).	21-22
Conclusions	26	Provide a general interpretation of the results in the context of other evidence, and implications for future research.	18-22
FUNDING			
Funding	27	Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review.	22

Supplementary File 3. PREFs Checklist

Study	(1) Purpose: Is the purpose of the study in relation to preferences clearly stated?	(2) Respondents: Are the non-responders similar to the non-responders?	(3) Explanation: Are methods of assessing preferences clearly explained?	(4) Findings: Were all respondents included in the reported findings and analysis of preference results?	(5) Significance: Were significance tests used to assess the preference results?	Score (/_/5)
Aicken(40)	1	0	1	1	0	3
Balfe(7)	1	0	1	1	0	3
Balfe(41)	1	0	1	1	0	3
Barnard(58)	1	0	1	1	1	4
Baytop(37)	1	0	1	1	1	4
Brown(45)	1	0	1	0	1	3
Brugha(47)	1	0	1	1	1	4
Brugha(46)	1	0	1	1	1	4
Cohall(27)	1	0	1	1	1	4
Cuffe(38)	1	0	1	1	1	4
Datta(5)	1	0	1	1	0	3
Denison(4)	1	0	1	1	0	3
Denison(19)	1	0	1	1	0	3
Eaton(75)	1	0	1	1	0	3
Feinstein(34)	1	0	1	1	0	3
Fielder(71)	1	0	1	1	0	3
Fields(26)	1	0	1	1	0	3
Frye(10)	1	0	1	1	0	3
Gkatzidou(57)	1	0	1	1	0	3
Gray(48)	1	0	1	1	1	4
Habel(72)	1	0	1	0	0	1
Hagley(49)	1	0	1	1	0	3
Harb(59)	1	0	1	0	1	3
Hayter(54)	0	0	1	0	0	1
Hogan(6)	1	0	1	1	0	3
Holloway(73)	1	0	1	0	0	2
Ingram(56)	1	0	1	0	0	2
Jerome(52)	1	0	1	1	0	3
Johnston(8)	1	0	1	0	0	2
Kowalczyk Mullins(29)	1	0	1	0	1	3
Labacher(64)	1	0	1	0	1	3
Llewellyn(50)	1	0	1	0	1	3
Lorimer(43)	1	0	1	1	0	2

Martin(68)	1	0	1	0	1	3
Masaro(61)	0	0	1	1	0	2
McRee(74)	1	0	1	0	1	3
Merchant(28)	1	0	1	1	1	4
Normansell(44)	1	0	1	1	0	3
Peralta(30)	1	0	1	1	1	4
Perry(31)	1	0	1	1	0	3
Phillips(9)	1	0	1	1	1	4
Pickett(32)	1	0	1	1	0	3
Saadatmand(33)	1	0	1	1	0	3
Sharma(39)	1	0	1	1	1	4
Shoveller(62)	1	0	1	1	0	3
Shoveller(63)	1	0	1	1	0	3
Smith(70)	1	0	1	1	1	4
Tebb(35)	1	0	1	1	1	4
Thomas(51)	1	0	1	1	0	3
Tomnay(20)	1	0	1	1	0	3
Wilson(60)	1	0	1	0	1	3
Wong(11)	0	0	1	1	0	2
Eaton(36)	1	0	1	1	1	4
Jones(42)	1	0	1	1	0	3
Heritage(55)	1	0	1	1	0	3
Ewert(65)	1	0	1	1	0	3
Macphail(67)	1	0	1	1	0	3
Santer(21)	1	0	1	1	0	3
Zakher(69)	1	0	1	1	0	3
Pavlin(66)	1	0	1	1	0	3
Van Rooijen(76)	1	0	1	1	1	4
Miners(53)	1	0	1	1	1	4
Balfe(12)	1	0	1	1	0	3

Study listed by first author's surname

Supplementary File 4. Supplementary Table 1: Preferable STI Testing Sites Based on subpopulations of young people

Study	Risk Group	Year of Study	Country	Setting	Service Preference
Van Rooijen (2016)	< 25 y/o	2012-2013	Netherlands	Low risk heterosexual persons	Home Collection Kit
Aicken (2016)	16-24 y/o	Pub. 2016	England	Students from further education colleges located in an area of high STI prevalence. An ethnic minority groups.	Online
Barnard (2018)	16-20 y/o	2016	England	Residents of an ethnically diverse suburb with a high STI prevalence	Clinic/GP
Gray (2009)	16-25 y/o	2007	England	Convenience sample	GP

Harb (2020)	15-24y/o	2013-2016	England	Data from the Chlamydia surveillance system	Clinic/GP
Hogan (2010)	15-24y/o	2007-2008	England	Recruited from a mix of high screening and low screening GP clinics	Clinic/GP
Jerome (2009)	12-24y/o	2007	UK	From a local medical practice or local school or the Youth Information Shop	Clinic (walk-in)
Shoveller (2012)	15-24y/o	Pub. 2012	Canada	Metropolitan Vancouver	Online
Tebb (2004)	13-20y/o	1999-2000	US	Ethnically diverse sample	Home Testing
Tomnay (2014)	16-25y/o	2012	Australia	Rural community sporting clubs	Online
Eaton (2019)	16-24y/o	Pub. 2019	England	Data from online national panel	Online
Jones (2017)	16-24y/o	2013	England	Recruited from various backgrounds of including rural, city, ethnic backgrounds & levels of deprivation	GP
Barnard (2018)	20-25y/o	2016	England	Residents of an ethnically diverse suburb with a high STI prevalence	Online
Smith (2016)	<30y/o	2011-2013	Australia	RCT of 200 Women, 200 heterosexual men and 200 MSM – previous diagnosis of chlamydia	Home Testing
Barnard (2018)	Homosexual & bisexual	2016	England	Residents of an ethnically diverse suburb with a high STI prevalence	Online
Feinstein (2018)	YMSM (18-29y/o)	2013	US	Previously tested positive for STIs (Cis-gendered).	Clinic/GP
Baytop (2014)	YBMSM	2008-2010	US	CBO serving AA	Clinic (walk-in)
Eaton (2018)	YBMSM (16-25y/o)	2017-2018	US	YBMSM living in the Deep South	Clinic
Sharma (2019)	Transgender (15-24y/o)	2017-2018	US	Self-identifying as non-cisgender, never having been diagnosed with HIV, with access to the internet	Clinic
Phillips (2019)	YMSM & Transgender	2015	US	YMSM and AMAB transgender individuals in Chicago	Clinic/CBOs/health centres
Barnard (2018)	White British	2016	England	Residents of an ethnically diverse suburb with a high STI prevalence	Online
Saadatmand (2012)	Young Black Men	2010	US	Recruited participants living in a highly disadvantaged neighbourhood of San Francisco	Clinic/GP
Barnard (2018)	Young Black Men	2016	England	Residents of an ethnically diverse suburb with a high STI prevalence	Clinic
Barnard (2018)	Previously positive for STIs	2016	England	Residents of an ethnically diverse suburb with a high STI prevalence	Clinic
Balfe (2010)	Young women (18-29y/o)	Pub. 2010	Ireland	Community healthcare (Rural + Urban)	GP
Brugha (2011)	Young women (18-29y/o)	2009	Ireland	Mixed locations: CBO, GUM clinic and higher education institutions	Speciality clinics/GPs

GP, General Practice; GUM, Genitourinary Medicine; CBO, Community Based Organisation; AA, Alcoholics Anonymous; UK, United Kingdom; US, United States; MSM, Men who have Sex with Men; YMSM, Young Men who have Sex with Men; YBMSM, Young Black Men who have Sex with Men; STI, Sexually Transmitted Infection; HIV, Human Immunodeficiency Virus; AMAB, Assigned Male at Birth. Highlighted rows are subpopulations that preferred clinic appointments.

Supplementary File 5. Supplementary Table 2: Excluded studies

Supplementary table 2: Excluded studies in what do young people want from sexually transmitted infection testing services? A systematic review.

Authors	Study title	Year of Publication	Reason for exclusion
O Peter et al.	<i>Understanding attitudes, barriers and challenges in a small island nation to disease and partner notification for HIV and other sexually transmitted infections: a qualitative study</i>	2015	Not key population
Aicken et al.	<i>Barriers and opportunities for evidence-based health service planning: the example of developing a Decision Analytic Model to plan services for sexually transmitted infections in the UK</i>	2012	Not related to preferences
Alli et al.	<i>Interpersonal Relations Between Health Care Workers and Young Clients: Barriers to Accessing Sexual and Reproductive Health Care</i>	2013	Not high income country
Amyai et al.	<i>A prospective multicentre study of healthcare provider preference in rapid HIV testing kits: Determine versus INSTI.</i>	2018	Not key population
Anderson et al.	<i>Man Up Monday: An integrated public health approach to increase sexually transmitted infection awareness and testing among male students at a midwest university</i>	2016	Not related to preferences
Arya et al.	<i>African-American patients' preferences for a health center campaign promoting HIV testing: an exploratory study and future directions.</i>	2014	Not related to preferences
Baraitser et al.	<i>User preference for HIV self-testing or self-sampling within a free online sexual health service: a service evaluation</i>	2019	Not key population
Bartelsman et al.	<i>HIV testing week 2015: lowering barriers for HIV testing among high-risk groups in Amsterdam</i>	2017	Not related to preferences
Bauermeister et al.	<i>The Use of Mystery Shopping for Quality Assurance Evaluations of HIV/STI Testing Sites Offering Services to Young Gay and Bisexual Men</i>	2015	Not related to preferences
Bell et al.	<i>Delivery of HIV test results, post-test discussion and referral in health care settings: A review of guidance for European countries</i>	2015	Not primary data
Bender et al.	<i>Content analysis: A review of perceived barriers to sexual and reproductive health services by young people</i>	2013	Not primary data
Bennett et al.	<i>An alternative model of sexually transmissible infection testing in men attending a sex-on-premises venue in Sydney: A cross-sectional descriptive study</i>	2016	Not key population
Biggs et al.	<i>Why not the GP? Client preferences for sexually transmissible infection testing in Western Sydney</i>	2015	Not key population
Bil et al.	<i>Usage of purchased self-tests for HIV and sexually transmitted infections in Amsterdam, the Netherlands: Results of population-based and serial cross-sectional studies among the general population and sexual risk groups</i>	2017	Not key population
Binson et al.	<i>Bringing HIV/STI testing programmes to high-risk men</i>	2005	Not related to preferences

Bissell	<i>Chlamydia screening programs: a review of the literature. Part 2: testing procedures and educational interventions for primary care physicians</i>	2019	Not primary data
Botfield et al.	<i>Drawing them in: Professional perspectives on the complexities of engaging 'culturally diverse' young people with sexual and reproductive health promotion and care in Sydney, Australia</i>	2017	Not related to preferences
Boyle	<i>Automation of community-based HIV and STI testing service</i>	2017	Not key population
Brennan et al.	<i>Online Outreach Services Among Men Who Use the Internet to Seek Sex With Other Men (MISM) in Ontario, Canada: An Online Survey</i>	2015	Not related to preferences
Brown et al.	<i>Pilot evaluation of a web-based intervention targeting sexual health service access</i>	2016	Not related to preferences
Burchell et al.	<i>Community-Directed Bacterial Sexually Transmitted Infection Testing Interventions Among Men Who Have Sex With Men: Protocol for an E-Delphi Study in Toronto, Canada</i>	2019	Not key population
Carey et al.	<i>Improving HIV Rapid Testing Rates Among STD Clinic Patients: A Randomized Controlled Trial</i>	2008	Not related to preferences
Carmine et al.	<i>Testing and treatment for sexually transmitted infections in adolescents-what's new?</i>	2014	Not related to preferences
Chabot C et al.	<i>Anticipating the potential for positive uptake and adaptation in the implementation of a publicly funded online STBBI testing service: a qualitative analysis</i>	2018	Not related to preferences
Chacko et al.	<i>Feasibility of providing sexually transmitted infection testing and treatment in off-campus, nonclinic settings for adolescents enrolled in a school-based research project</i>	2014	Not related to preferences
Challenor et al.	<i>Something for the weekend! Saturday services - what do patients want and what do they need?</i>	2010	Not key population
Clifton et al.	<i>Patterns of chlamydia testing in different settings and implications for wider STI diagnosis and care: A probability sample survey of the British population</i>	2017	Not related to preferences
Coenen et al.	<i>Optimal HIV testing and earlier care: The way forward in Europe</i>	2008	Not primary data
Cohen et al.	<i>Time to use text reminders in genitourinary medicine clinics</i>	2008	Not key population
Cohen et al.	<i>Screening for sexually transmitted diseases in non-traditional settings: a personal view</i>	2005	Not primary data
Collins et al.	<i>The "No Wrong Door" Approach to HIV Testing: Results From a Statewide Retail Pharmacy-Based HIV Testing Program in Virginia, 2014-2016</i>	2018	Not related to preferences
Collister et al.	<i>Can an asymptomatic screening pathway for men who have sex with men be introduced safely at a level 3 sexual health service in the UK?</i>	2015	Not related to preferences
Conway et al.	<i>Effect of testing experience and profession on provider acceptability of rapid HIV testing after implementation in public sexual health clinics in Sydney</i>	2015	Not key population
Conway et al.	<i>Providing HIV-negative results to low-risk clients by telephone</i>	2012	Not key population
Cunningham et al.	<i>Relationships between perceived STD-related stigma, STD-related shame and STD screening among a household sample of adolescents</i>	2009	Not related to preferences
Dave et al.	<i>The need for innovative sexually transmitted infection screening initiatives for young men: Evidence from genitourinary medicine clinics across England</i>	2011	Not related to preferences
Davide et al.	<i>Patients' Willingness to Participate in Rapid HIV Testing: A pilot study in three New York City dental hygiene clinics</i>	2017	Not key population
Debattista et al.	<i>A trial of pharmacy-based testing for Chlamydia trachomatis using postal specimen kits</i>	2017	Not related to preferences
Dhar et al.	<i>Texting--a revolution in sexual health communication</i>	2006	Full text not available

Dias et al.	<i>Perspectives of African and Brazilian immigrant women on sexual and reproductive health</i>	2010	Not high-income country
Doshi et al.	<i>Health Care and HIV Testing Experiences Among Black Men in the South: Implications for 'Seek, Test, Treat, and Retain' HIV Prevention Strategies</i>	2013	Not key population
Erbelding et al.	<i>Following-up for HIV test results: What limits return in an STD clinic population?</i>	2004	Not related to preferences
Evans-Jones et al.	<i>Use of Telephonetics(R) RESULTS(TM) computer-facilitated telephone system with automatic results upload</i>	2011	Not related to preferences
Fair et al.	<i>Self-reported sexual and reproductive health information/services received by adolescents and young adults with perinatally acquired HIV: what are their needs?</i>	2016	Not related to preferences
Fernando et al.	<i>Genitourinary medicine clinic and general practitioner contact: what do patients want?</i>	2008	Not key population
Fernando et al.	<i>Testing times: testing patient acceptance and ability to self-screen for a No-Talk Testing service</i>	2013	Not key population
Frankis et al.	<i>Regular STI testing amongst men who have sex with men and use social media is suboptimal - a cross-sectional study</i>	2016	Not related to preferences
Gamble et al.	<i>Design of the HPTN 065 (TLC-Plus) study: A study to evaluate the feasibility of an enhanced test, link-to-care, plus treat approach for HIV prevention in the United States</i>	2017	Not key population
Gaydos et al.	<i>Characteristics and predictors of women who obtain rescreening for sexually transmitted infections using the www.iwanthekit.org screening programme</i>	2013	Not related to preferences
Gibbs et al.	<i>Mixed-methods evaluation of a novel online STI results service</i>	2017	Not key population
Gilbert et al.	<i>Click yes to consent: Acceptability of incorporating informed consent into an internet-based testing program for sexually transmitted and blood-borne infections</i>	2017	Not related to preferences
Gilbert et al.	<i>A cohort study comparing rate of repeat testing for sexually transmitted and blood-borne infections between clients of an internet-based testing programme and of sexually transmitted infection clinics in Vancouver, Canada</i>	2019	Not related to preferences
Goldenberg et al.	<i>Barriers to STI testing among youth in a Canadian oil and gas community</i>	2007	Not related to preferences
Graseck et al.	<i>Home screening compared with clinic-based screening for sexually transmitted infections</i>	2010	Not related to preferences
Green et al.	<i>Advantages and disadvantages for receiving Internet-based HIV/AIDS interventions at home or at community-based organizations</i>	2015	Not key population
Grieb et al.	<i>Identifying solutions to improve the sexually transmitted infections testing experience for youth through participatory ideation</i>	2018	Not related to preferences
Gursahaney et al.	<i>Partner notification of sexually transmitted diseases: practices and preferences</i>	2011	Not key population
Hall et al.	<i>A population-based study of US women's preferred versus usual sources of reproductive health care</i>	2015	Not key population
Hambly et al.	<i>Sexual health services--a patient preference survey</i>	2006	Not key population
Heller et al.	<i>Factors associated with a clinician's offer of screening HIV-positive patients for sexually transmitted infections, including syphilis</i>	2011	Not related to preferences
Hengel et al.	<i>Perspectives of primary health care staff on the implementation of a sexual health quality improvement program: a qualitative study in remote aboriginal communities in Australia</i>	2018	Not key population
Hitchings et al.	<i>What do patients want most from sexual health services?</i>	2009	Not key population

Hocking et al.	<i>Population effectiveness of opportunistic chlamydia testing in primary care in Australia: A cluster-randomised controlled trial</i>	2018	Not related to preferences
Howard et al.	<i>Patient preference for patient-delivered partner therapy: exploratory findings from three sexually transmitted disease clinics</i>	2011	Not key population
Howard et al.	<i>Screening methods for Chlamydia trachomatis and Neisseria gonorrhoeae infections in sexually transmitted infection clinics: what do patients prefer?</i>	2010	Not key population
Hubach et al.	<i>Preferred methods of sexually transmitted infection service delivery among an urban sample of underserved midwestern men</i>	2014	Not key population
Jones et al.	<i>Women's preferences for testing and management of sexually transmitted infections among low-income New York City family planning clients</i>	2013	Not key population
Jones et al.	<i>eTriage--a novel, web-based triage and booking service: enabling timely access to sexual health clinics</i>	2010	Not related to preferences
Kang et al.	<i>Interventions for young people in Australia to reduce HIV and sexually transmissible infections: A systematic review</i>	2010	Not primary data
Kassler et al.	<i>On-site, rapid HIV testing with same-day results and counseling</i>	1997	Published prior to 2000
Kellerman et al.	<i>HIV testing within at-risk populations in the United States and the reasons for seeking or avoiding HIV testing</i>	2002	Not related to preferences
Kendrick et al.	<i>Outcomes of offering rapid point-of-care HIV testing in a sexually transmitted disease clinic</i>	2005	Not related to preferences
Kiene et al.	<i>Provider-initiated HIV testing in health care settings: Should it include client-centered counselling?</i>	2009	Not key population
Kinsler et al.	<i>Preference for physician vs. nurse-initiated opt-out screening on HIV test acceptance</i>	2013	Not key population
Kodama et al.	<i>Factors affecting appropriate management of patients with sexually transmitted infections in Japan</i>	2010	Not related to preferences
Leber et al.	<i>Effectiveness and cost-effectiveness of implementing HIV testing in primary care in East London: Protocol for an interrupted time series analysis</i>	2017	Not related to preferences
Lee et al.	<i>Access to sexual health advice using an automated, internet-based risk assessment service</i>	2009	Not related to preferences
Liuccio et al.	<i>Web-based institutional health promotion initiatives for young people: The 'Chiediloqui' project</i>	2016	Not related to STI testing
McRee et al.	<i>Access of non-specialist sexual health services by men who have sex with men: Do they differ from those attending specialist services?</i>	2018	Not related to preferences
Melville et al.	<i>Client perspectives on sexual health service provision</i>	2004	Full text not available
Mercer et al.	<i>Not so different after all? Comparing patients attending general practice-based locally enhanced services for sexual health with patients attending genitourinary medicine</i>	2013	Not key population
Mevisen et al.	<i>Development of Long Live Love +, a school-based online sexual health programme for young adults. An intervention mapping approach</i>	2017	Not related to preferences
Nadarzynski et al.	<i>Preferences for the format of text messages containing results of online screening for sexually transmitted infections: a service evaluation</i>	2018	Not key population
P O'Byrne et al.	<i>"Express testing" in STI clinics: extant literature and preliminary implementation data</i>	2016	No primary data

Odesanmi et al.	<i>Comparative effectiveness and acceptability of home-based and clinic-based sampling methods for sexually transmissible infections screening in females aged 14-50 years: a systematic review and meta-analysis</i>	2013	No primary data
Oliveira et al.	<i>Health Services For Lesbians, Gays, Bisexuals And Transvestites / Transexuals</i>	2018	Not related to preferences
Pai et al.	<i>Will a quadruple multiplexed point-of-care screening strategy for HIV-related co-infections be feasible and impact detection of new co-infections in at-risk populations? Results from cross-sectional studies</i>	2014	Not data on key populations
Pai et al.	<i>Supervised and unsupervised self-testing for HIV in high- and low-risk populations: a systematic review</i>	2013	No primary data
Patel et al.	<i>Improving sexual health services in the city: can the NHS learn from clients and the service industry</i>	2007	Not related to preferences (of key population)
Pendleton et al.	<i>Teens in the twenty-first century still prefer people over machines: importance of intervention delivery style in adolescent HIV/STD prevention</i>	2008	not related to testing
Phillips et al.	<i>Test n Treat (TnT): a cluster-randomised feasibility trial of frequent, rapid-testing and same-day, on-site treatment to reduce rates of chlamydia in high-risk further education college students: statistical analysis plan</i>	2018	Study not completed
Read et al.	<i>Adolescent patient preferences surrounding partner notification and treatment for sexually transmitted infections</i>	2014	Not related to preferences
Mimiaga et al.	<i>A Mixed Methods Study of the Sexual Health Needs of New England Transmen Who Have Sex with Nontransgender Men</i>	2010	Not related to preferences
Reynolds et al.	<i>You've got mail (and an STI)</i>	2015	No primary data
Robards et al.	<i>How marginalized young people access, engage with, and navigate health-care systems in the digital age: Systematic review</i>	2018	No primary data
Rodriguez-Hart et al.	<i>Just text me! Texting sexually transmitted disease clients their test results in Florida, February 2012-January 2013</i>	2015	Not key population
Rogstad et al.	<i>Sexual health needs of the under-16s attending an STI clinic: What are they and are they being addressed?</i>	2003	Not related to preferences
Ross et al.	<i>Optimizing information technology to improve sexual health-care delivery: public and patient preferences</i>	2011	Not key population
Roth et al.	<i>Future chlamydia screening preferences of men attending a sexually transmissible infection clinic</i>	2011	Not key population
Schwandt et al.	<i>Preferences for rapid point-of-care HIV testing in primary care</i>	2012	Not key population
Shultz et al.	<i>Patient Preferences for Test Result Notification</i>	2015	Not key population
Smith et al.	<i>Client satisfaction with rapid HIV testing: comparison between an urban sexually transmitted disease clinic and a community-based testing center</i>	2006	Not key population
Smith et al.	<i>Mobile sexual health services for adolescents: investigating the acceptability of youth-directed mobile clinic services in Cape Town, South Africa</i>	2019	Not from high-income country
Spielberg et al.	<i>Fully Integrated e-Services for Prevention, Diagnosis, and Treatment of Sexually Transmitted Infections: Results of a 4-County Study in California</i>	2014	Not key population
Steedman et al.	<i>TELEPHONETICS RESULTS computer-facilitated telephone system: a novel method for patient results retrieval</i>	2007	Not key population

Su et al.	<i>Why are men less tested for sexually transmitted infections in remote Australian Indigenous communities?</i>	2016	Not key population
Syred et al.	<i>Choose to test: self-selected testing for sexually transmitted infections within an online service. Sexually transmitted infections.</i>	2019	Not related to preferences
Town et al.	<i>Service evaluation of an educational intervention to improve sexual health services in primary care implemented using a step-wedge design: analysis of chlamydia testing and diagnosis rate changes.</i>	2016	Not related to preferences
Town et al.	<i>Supporting general practices to provide sexual and reproductive health services: Protocol for the 3Cs & HIV programme</i>	2015	Not related to preferences
Watson et al.	<i>Valuing experience factors in the provision of Chlamydia screening: an application to women attending the family planning clinic.</i>	2019	Not key population
Wayal et al.	<i>Association between knowledge, risk behaviours, and testing for sexually transmitted infections among men who have sex with men: findings from a large online survey in the United Kingdom</i>	2019	Not related to preferences
Wood et al.	<i>Pharmacist-led screening in sexually transmitted infections: Current perspectives</i>	2018	No primary data
Yoshida et al.	<i>Comparison of free and anonymous testing for HIV and sexually transmitted infections between the University Hospital and Health Center</i>	2012	Not key population
Youssef et al.	<i>Understanding HIV-positive patients' preferences for healthcare services: a protocol for a discrete choice experiment.</i>	2016	Not key population
Rawitscher, et al	<i>Adolescents' preferences regarding human immunodeficiency virus (HIV)-related physician counseling and HIV testing</i>	1995	Published prior to 2000
Bauermeister et al.	<i>Acceptability and Preliminary Efficacy of a Tailored Online HIV/STI Testing Intervention for Young Men who have Sex with Men: The Get Connected! Program</i>	2018	Not related to preferences
Gutierrez et al.	<i>Acceptability and effectiveness of using mobile applications to promote HIV and other STI testing among men who have sex with men in Barcelona, Spain</i>	2018	Not key population
Balan et al.	<i>Fingerprick Versus Oral Swab: Acceptability of Blood-Based Testing Increases If Other STIs Can Be Detected</i>	2017	Not key population
Balan et al.	<i>SMARTtest: A Smartphone App to Facilitate HIV and Syphilis Self- and Partner-Testing, Interpretation of Results, and Linkage to Care</i>	2020	Not key population
Bauermeister et al.	<i>Acceptability and Preliminary Efficacy of a Tailored Online HIV/STI Testing Intervention for Young Men who have Sex with Men: The Get Connected! Program</i>	2015	Not key population
Chen et al.	<i>Australian men who have sex with men prefer rapid oral HIV testing over conventional blood testing for HIV</i>	2010	Not key population
Clark et al.	<i>Men Who Have Sex with Men (MSM) Who Have Not Previously Tested for HIV: Results from the MSM Testing Initiative, United States (2012-2015)</i>	2019	Not key population
Conway et al.	<i>Rapid HIV Testing Is Highly Acceptable and Preferred among High-Risk Gay And Bisexual Men after Implementation in Sydney Sexual Health Clinics</i>	2015	Not key population
Cushman et al.	<i>Attitudes and preferences regarding the use of rapid self-testing for sexually transmitted infections and HIV in San Diego area men who have sex with men</i>	2019	Not key population
Datta et al.	<i>Places and people: the perceptions of men who have sex with men concerning STI testing: a qualitative study</i>	2018	Not key population

den Daas et al.	<i>Reducing health disparities: key factors for successful implementation of social network testing with HIV self-tests among men who have sex with men with a non-western migration background in the Netherlands</i>	2019	Not key population
Dodge et al.	<i>Field collection of rectal samples for sexually transmitted infection diagnostics among men who have sex with men</i>	2010	Not key population
Flowers et al.	<i>Preparedness for use of the rapid result HIV self-test by gay men and other men who have sex with men (MSM): a mixed methods exploratory study among MSM and those involved in HIV prevention and care</i>	2017	Not key population
Gilbert et al.	<i>Factors associated with intention to use internet-based testing for sexually transmitted infections among men who have sex with men</i>	2013	Not key population
Gilbert et al.	<i>Differences in experiences of barriers to STI testing between clients of the internet-based diagnostic testing service GetCheckedOnline.com and an STI clinic in Vancouver, Canada</i>	2019	Not key population
Gu et al.	<i>Psychological factors in association with uptake of voluntary counselling and testing for HIV among men who have sex with men in Hong Kong</i>	2011	Not key population
Heijman, et al.	<i>Motives and barriers to safer sex and regular STI testing among MSM soon after HIV diagnosis</i>	2017	Not key population
Holt et al.	<i>Gay men's perceptions of sexually transmissible infections and their experiences of diagnosis: 'Part of the way of life' to feeling 'dirty and ashamed'</i>	2010	Not key population
Hottes et al.	<i>Internet-based HIV and sexually transmitted infection testing in British Columbia, Canada: opinions and expectations of prospective clients</i>	2012	Not key population
Hoyos et al.	<i>Preferred HIV testing services and programme characteristics among clients of a rapid HIV testing programme</i>	2013	Not key population
Katz et al.	<i>HIV Self-testing increases HIV testing frequency in high-risk men who have sex with men: A randomized controlled trial</i>	2018	Not key population
Knight et al.	<i>Qualitative analysis of the experiences of gay, bisexual and other men who have sex with men who use GetCheckedOnline.com: a comprehensive internet-based diagnostic service for HIV and other STIs</i>	2019	Not key population
Knight et al.	<i>Implementation and Operational Research: Convenient HIV Testing Service Models Are Attracting Previously Untested Gay and Bisexual Men: A Cross-sectional Study</i>	2015	Not key population
Knussen et al.	<i>The acceptability of health service and community-based venues for syphilis testing amongst men who have sex with men: The views of potential service users in Scotland</i>	2008	Not key population
Lea et al.	<i>Barriers to accessing hiv and sexual health services among gay men in tasmania, australia</i>	2019	Not key population
Lechuga et al.	<i>Marketing the HIV test to MSM: ethnic differences in preferred venues and sources</i>	2013	Not key population
Lee et al.	<i>Men who have sex with men prefer rapid testing for syphilis and may test more frequently using it</i>	2010	Not key population
Leitinger et al.	<i>Acceptability and HIV prevention benefits of a peer-based model of rapid point of care HIV testing for Australian gay, bisexual and other men who have sex with men</i>	2018	Not key population
Llewellyn et al.	<i>Are home sampling kits for sexually transmitted infections acceptable among men who have sex with men?</i>	2009	Not key population

Martin et al.	<i>Clients' preferred methods of obtaining sexually transmissible infection or HIV results from Sydney Sexual Health Centre</i>	2013	Not key population
Maxwell, S.	<i>General Practitioners' views and experiences on the barriers and facilitators that men who have sex with men have when accessing primary care for HIV testing and sexual health screening</i>	2018	Not key population
Medline et al.	<i>HIV Testing Preferences Among MSM Members of an LGBT Community Organization in Los Angeles</i>	2017	Not key population
Miners et al.	<i>Preferences for HIV testing services among men who have sex with men in the UK: A discrete choice experiment</i>	2019	Not key population
Pant Pai et al.	<i>An Unsupervised Smart App-Optimized HIV Self-Testing Program in Montreal, Canada: Cross-Sectional Study</i>	2018	Not key population
Pollard et al.	<i>Opt-out testing for HIV: Perspectives from a high prevalence community in south-east England, UK</i>	2013	Not key population
Reed et al.	<i>Community event-based outreach screening for syphilis and other sexually transmissible infections among gay men in Sydney, Australia</i>	2013	Not key population
Ryan et al.	<i>Trial and error: evaluating and refining a community model of HIV testing in Australia</i>	2017	Not key population
Schein et al.	<i>Barriers and facilitators to HIV and sexually transmitted infections testing for gay, bisexual, and other transgender men who have sex with men</i>	2017	Not key population
Skolnik et al.	<i>Deciding where and how to be tested for HIV: what matters most?</i>	2001	Not key population
Spielberg et al.	<i>Overcoming barriers to HIV testing: Preferences for new strategies among clients of a needle exchange, a sexually transmitted disease clinic, and sex venues for men who have sex with men</i>	2003	Not key population
Strömdahl et al.	<i>HIV testing and prevention among foreign-born Men Who have Sex with Men: an online survey from Sweden</i>	2017	Not key population
Sun et al.	<i>Acceptability and Feasibility of Using Established Geosocial and Sexual Networking Mobile Applications to Promote HIV and STD Testing Among Men Who Have Sex with Men</i>	2015	Not key population
Tobin et al.	<i>Acceptability and feasibility of a Peer Mentor program to train young Black men who have sex with men to promote HIV and STI home-testing to their social network members</i>	2018	Not key population
Wayal et al.	<i>Home sampling kits for sexually transmitted infections: preferences and concerns of men who have sex with men</i>	2011	Not key population
Witzel et al.	<i>HIV self-testing intervention experiences and kit usability: results from a qualitative study among men who have sex with men in the SELHPI (Self-Testing Public Health Intervention) randomized controlled trial in England and Wales</i>	2019	Not key population
Witzel et al.	<i>HIV testing history and preferences for future tests among gay men, bisexual men and other MSM in England: results from a cross-sectional study</i>	2016	Not key population
Witzel et al.	<i>HIV Self-Testing among Men Who Have Sex with Men (MSM) in the UK: A Qualitative Study of Barriers and Facilitators, Intervention Preferences and Perceived Impacts</i>	2016	Not key population

Wohlfeiler et al.	<i>How can we improve online HIV and STD prevention for men who have sex with men? Perspectives of hook-up website owners, website users, and HIV/STD directors</i>	2013	Not key population
Wray et al.	<i>A pilot, randomized controlled trial of HIV self-testing and real-time post-test counseling/referral on screening and preventative care among men who have sex with men</i>	2018	Not key population