

Supplementary File 2. Thematic overview and summary of all findings

Barriers Themes and Subthemes		COM-B Components	Intervention Options				Policy Categories		
			Education	Persuasion	Environment. Restructuring	Modelling	Communicat. & Marketing	Service Provision	Guidelines
Self-sampling		Physical Capability					✓	✓	
Lack of information and awareness	Asymptomatic	Psychological Capability	✓	✓			✓		
	Risk of transmission		✓	✓			✓		
	Testing process		✓	✓			✓		
	Ease of treatment		✓	✓			✓		
	Availability in general practice		✓	✓			✓		
Testing not a priority				✓		✓	✓	✓	
Perceived low risk	Sexual invincibility	Reflective Motivation	✓	✓			✓		✓
	Relationship status (monogamy)		✓	✓			✓		✓
	Belief chlamydia is not serious		✓	✓			✓		✓
Embarrassment	Knowing their GP	Automatic Motivation						✓	✓
	Being seen							✓	✓
	Procedure as invasive		✓				✓	✓	
	Having to take clothes off		✓				✓	✓	
Fear	Long term consequence	Automatic Motivation		✓			✓		
	Expectations of stigma		✓		✓		✓	✓	✓
	Unknown testing processes			✓			✓		
	Positive result			✓					
Guilt				✓		✓			
UK primary care context	Strained system	Physical Opportunity			✓			✓	
	Practice registration				✓			✓	
	Getting appointments				✓			✓	
	Lacks urgency		✓		✓			✓	
	Time constraints				✓			✓	
Location of toilet				✓			✓		
Stigma	Sex taboo	Social Opportunity	✓			✓	✓	✓	✓
	Presumed promiscuity		✓			✓	✓	✓	✓
	Judgment from HCP		✓			✓	✓	✓	✓
	Judgment from receptionists		✓			✓	✓	✓	✓
	Younger age		✓			✓	✓	✓	✓
	Never tested		✓			✓	✓	✓	✓
	Sexual orientation		✓			✓	✓	✓	✓

Note: COM-B = Capability, Opportunity, Motivation Model of Behaviour