

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	✓	✓			✓		
	Risk of transmission	✓	✓			✓		
	Testing process	✓	✓			✓		
	Ease of treatment	✓	✓			✓		
	Availability in general practice	✓	✓			✓		
Testing not a priority			✓			✓	✓	✓
Perceived low risk	Sexual invincibility	✓	✓			✓		✓
	Relationship status (monogamy)	✓	✓			✓		✓
	Belief chlamydia is not serious	✓	✓			✓		✓
Embarrassment	Knowing their GP						✓	✓
	Being seen						✓	✓
	Procedure as invasive	✓				✓	✓	
	Having to take clothes off	✓				✓	✓	
Fear	Long term consequence		✓			✓		
	Expectations of stigma	✓			✓	✓	✓	✓
	Unknown testing processes		✓			✓		
	Positive result		✓					
Guilt			✓			✓		
UK primary care context	Strained system			✓			✓	
	Practice registration			✓			✓	
	Getting appointments			✓			✓	
	Lacks urgency	✓		✓			✓	
	Time constraints			✓			✓	
Location of toilet			✓				✓	
Stigma	Sex taboo	✓			✓	✓	✓	✓
	Presumed promiscuity	✓			✓	✓	✓	✓
	Judgment from HCP	✓			✓	✓	✓	✓
	Judgment from receptionists	✓			✓	✓	✓	✓
	Younger age	✓			✓	✓	✓	✓
	Never tested	✓			✓	✓	✓	✓
	Sexual orientation	✓			✓	✓	✓	✓

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