

Supplement 1 (S1): PICO framework - HIV testing strategies in European hospitals

Criteria	Inclusion criteria	Exclusion criteria
<i>Population</i>	<p>Studies conducted in European hospitals</p> <ul style="list-style-type: none"> * adults aged 18 year or above * in the hospital, outpatient department of a hospital or emergency care department of a hospital * in the in- or outpatient setting * in the WHO European region 	<ul style="list-style-type: none"> * adults already diagnosed with HIV (regardless of treatment) * individuals who already tested HIV negative in the last 6 months * studies conducted in the primary care unit, dedicated STI, tuberculosis or antenatal care clinic or community services * health centre or health care facility
<i>Intervention</i>	<p>Hospital based strategies or interventions aimed at <u>improving</u> the detection of occult HIV infections.</p> <p>These strategies may include, but are not limited to,</p> <ol style="list-style-type: none"> a. changes in testing protocols or algorithms, including <ul style="list-style-type: none"> * symptom-based approaches * implementing opt-out strategy * enhanced testing of high-risk populations * electronic reminders b. use of advanced testing technologies, c. educational programs for healthcare providers, d. implementation plan for guidelines for HIV testing and diagnosis 	<p>Studies that do not investigate strategies or interventions related to the detection of occult HIV infections.</p> <p>Studies reporting on interventions outside the hospital setting like community-based testing, online interventions, self-testing or peer-led initiatives</p> <p>Studies that report HIV testing rates or HIV prevalence numbers, without the intention to implement or study a strategy to improve this.</p>
<i>Outcome</i>	<p>Studies reporting quantitative data on the effectiveness of the strategy, preferably a change in HIV testing rate or detection of HIV infections.</p> <p>Primary:</p> <ul style="list-style-type: none"> * HIV case finding (HIV cases/ population of interest) <p>Secondary:</p> <ul style="list-style-type: none"> * improvement of HIV testing rate (HIV tests/ population of interest) 	<p>Studies not reporting on impact on HIV testing rate or case finding</p>
<i>Study</i>	<ul style="list-style-type: none"> * No publication date restriction * No language restriction * Any study design, including: 	<ul style="list-style-type: none"> * Reviews, posters, opinion pieces, conference abstracts, news briefing, qualitative studies.

	Peer-reviewed primary research studies, randomised controlled trials (RCTs), non-randomized quasi-experimental studies, observational studies including cohort studies and cross-sectional studies, case-control studies	* Non-peer-reviewed articles
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