



Monitoring Community-Based Voluntary Counselling and
Testing (CBVCT)

CBVCT INDICATORS

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INTRODUCTION

This document was prepared for members of the COBATEST network, as guidance on definition of monitoring and evaluation (M&E) indicators. The guidelines provide the list of indicators recommended for CBVCT services. Indicators are based in a previous consensus document that can be found [here](#).

All indicators, except for CBVCT 9, CBVCT 10, CBVCT STI 9, CBVCT STI 10 and CBVCT STI 11 should also be monitored in “disaggregated” form by gender (cisgender men, cisgender women, transgender men, transgender women, non-binary), age (<25 and 25+ years old) and key population at risk (MSM, SW, PWID, migrants).

If a client is in two or more key populations, they should be recorded as such (e.g. an PWID SW would be recorded in two categories and then once in “All”).

For CBVCT services who send aggregated data, a guidance on how to submit aggregated data for M&E indicators, with more specific information was created. You can see the document [here](#).

CBVCT INDICATORS

HIV testing indicators

CBVCT 1: Number of clients tested for HIV

Definition	Number of clients tested for HIV
Comments	To count number of clients, unique identifier should be used to eliminate duplicate tests and to link information obtained at different visits from the same client and information about the same client received from other services.

CBVCT 2: Proportion of clients who reported to have been previously tested for HIV

Definition	Proportion (%) of clients who reported to have been tested previously for HIV among all clients tested
Numerator	Number of clients who reported to have been tested previously for HIV
Denominator	Number of clients tested for HIV
Calculation	$(\text{Number of clients who reported to have been tested previously for HIV}) / (\text{Number of clients tested for HIV}) * 100$

CBVCT 3: Proportion of clients who reported to have been tested for HIV during preceding 12 months

Definition	Proportion (%) of clients who reported to have been tested for HIV during preceding 12 months among all clients tested
Numerator	Number of clients who reported to have been tested for HIV during preceding 12 months
Denominator	Number of clients tested for HIV
Calculation	$(\text{Number of clients who reported to have been tested for HIV during preceding 12 months}) / (\text{Number of clients tested for HIV}) * 100$

CBVCT 4: Proportion of clients with reactive screening HIV test result

Definition	Proportion (%) of clients with reactive screening HIV test result
Numerator	Number of clients with reactive screening HIV test result
Denominator	Number of clients screened for HIV
Calculation	$(\text{Number of clients with reactive HIV screening test result}) / (\text{Number of clients screened for HIV}) * 100$

CBVCT 5: Proportion of clients with reactive HIV screening test result who were tested with confirmatory HIV test

Definition	Proportion (%) of clients with HIV reactive screening test result who have been tested with confirmatory test among all clients with a reactive HIV screening test result
Numerator	Number of clients with reactive HIV screening test result who have been tested with confirmatory test
Denominator	Number of clients with a reactive HIV screening test result

Calculation	$(\text{Number of clients with reactive screening test result who have been tested with HIV confirmatory test}) / (\text{Number of clients with a reactive HIV screening test result}) * 100$
Comments	For clients who have a reactive HIV test, confirmatory testing usually takes place in a healthcare facility with a fourth-generation test. Recording of this will depend on the client reporting back to the CBVCT or giving permission to be followed-up.

CBVCT 6: Proportion of clients with positive confirmatory HIV test result

Definition	Proportion (%) of clients with a confirmed positive HIV test result among all clients tested
Numerator	Number of clients with a confirmed HIV positive test result
Denominator	Number of clients tested for HIV
Calculation	$(\text{Number of clients with a positive confirmed HIV test result}) / (\text{Number of clients tested for HIV}) * 100$

CBVCT 7: Proportion of clients with false HIV positive results

Definition	Proportion (%) of clients with false HIV positive results among all clients tested for HIV
Numerator	Number of clients with false HIV positive results
Denominator	Number of clients tested for HIV
Calculation	$(\text{Number of clients with false HIV positive results}) / (\text{Number of clients tested for HIV}) * 100$

CBVCT 8: Number of clients needed to test to find a positive HIV result

Definition	Number of clients needed to test to find a positive HIV result
Numerator	Number of clients tested for HIV
Denominator	Number of clients with positive confirmatory HIV test
Calculation	$(\text{Number of clients tested for HIV}) / (\text{Number of clients with positive confirmatory HIV test})$

CBVCT 9: Cost per client screened for HIV

Definition	Cost per client screened for HIV
Numerator	Total operational cost of the CBVCT service for HIV screening
Denominator	Number of clients screened for HIV
Calculation	(Total operational cost of the CBVCT service for HIV screening) / (Number of clients screened for HIV)

CBVCT 10: Cost per confirmed HIV diagnosis

Definition	Cost per confirmed HIV diagnosis
Numerator	Total operational cost of the CBVCT service for HIV screening
Denominator	Number of clients with confirmed HIV infection
Calculation	(Total operational cost of the CBVCT service for HIV screening) / (Number of clients with confirmed HIV infection)

CBVCT 11: Proportion of clients with confirmed HIV diagnosis who were linked to healthcare

Definition	Proportion (%) of clients with confirmed HIV diagnosis who were linked to healthcare
Numerator	Number of clients with confirmed HIV infection who were linked to care
Denominator	Number of clients with confirmed HIV infection first screened in CBVCT
Calculation	(Number of clients with confirmed HIV infection who were linked to care / (Number of clients with confirmed HIV infection first screened in CBVCT) *100
Comments	Most CBVCT services collect linkage to care based on first attendance date at healthcare facility. Prompt linkage is: linkage within 3 months of diagnosis. Recording of this variable will depend on the client consenting to share this information either themselves or through the health system.

CBVCT 12: Proportion of clients who tested HIV positive at CBVCT sites who were diagnosed late

Definition	Proportion (%) of clients who tested HIV positive at CBVCT sites who were diagnosed late
Numerator	Number of clients with confirmed HIV infection who were diagnosed late

Denominator	Number of clients with confirmed HIV infection first screened in CBVCT
Calculation	$\frac{\text{Number of clients with confirmed HIV infection who were diagnosed late}}{\text{Number of clients with confirmed HIV infection first screened in CBVCT}} * 100$
Comments	Late diagnosis is defined as CD4 cells count of <350 CD4 cell/mm ³ within three months after HIV diagnosis.

HCV/Syphilis/HBV/other screening

CBVCT STI 1: Number of clients tested for [HCV/syphilis/HBV] with a screening test

Definition	Number of clients tested for [HCV/syphilis/HBV]
Comments	To count number of clients, unique identifier should be used to eliminate duplicate tests and to link information obtained at different visits from the same client and information about the same client received from other services.

CBVCT STI 2: Proportion of clients who reported to have been previously tested for [HCV/syphilis/HBV]

Definition	Proportion (%) of clients who reported to have been tested previously for [HCV/syphilis/HBV] among all clients tested
Numerator	Number of clients who reported to have been tested previously for [HCV/syphilis/HBV]
Denominator	Number of clients tested for [HCV/syphilis/HBV]
Calculation	$\frac{\text{Number of clients who reported to have been tested previously for [HCV/syphilis/HBV]}}{\text{Number of clients tested for [HCV/syphilis/HBV]}} * 100$

CBVCT STI 3: Proportion of clients who reported to have been previously diagnosed with [HCV/syphilis/HBV]

Definition	Proportion (%) of clients who reported to have been previously diagnosed with [HCV/syphilis/HBV]
Numerator	Number of clients who reported to have been previously diagnosed with [HCV/syphilis/HBV]
Denominator	Number of clients screened for [HCV/syphilis/HBV]

Calculation	(Number of clients who reported to have been previously diagnosed with [HCV/syphilis/HBV]) / (Number of clients screened for [HCV/syphilis/HBV]) *100
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CBVCT STI 4: Proportion of clients who reported to have been previously diagnosed with [HCV/syphilis/HBV] during preceding 12 months

Definition	Proportion (%) of clients who reported to have been previously diagnosed with [HCV/syphilis/HBV] during preceding 12 months
Numerator	Number of clients who reported to have been previously diagnosed with [HCV/syphilis/HBV] during preceding 12 months
Denominator	Number of clients screened for [HCV/syphilis/HBV]
Calculation	(Number of clients who reported to have been previously diagnosed with [HCV/syphilis/HBV] during preceding 12 months) / (Number of clients screened for [HCV/syphilis/HBV]) *100

CBVCT STI 5: Proportion of clients with reactive screening [HCV/syphilis/HBV] test result

Definition	Proportion (%) of clients with reactive screening [HCV/syphilis/HBV] test result
Numerator	Number of clients with reactive screening [HCV/syphilis/HBV] test result
Denominator	Number of clients screened for [HCV/syphilis/HBV]
Calculation	(Number of clients with reactive [HCV/syphilis/HBV] screening test result) / (Number of clients screened for [HCV/syphilis/HBV]) *100

CBVCT STI 6: Proportion of clients with reactive screening [HCV/syphilis/HBV] test result who were tested with confirmatory [HCV/syphilis/HBV] test

Definition	Proportion (%) of clients with [HCV/syphilis/HBV] reactive screening test result who have been tested with confirmatory test among all clients with a reactive [HCV/syphilis/HBV] screening test result
Numerator	Number of clients with reactive [HCV/syphilis/HBV] screening test result who have been tested with confirmatory test
Denominator	Number of clients with a reactive [HCV/syphilis/HBV] screening test result
Calculation	(Number of clients with reactive screening test result who have been tested with [HCV/syphilis/HBV] confirmatory test) / (Number of clients with a reactive [HCV/syphilis/HBV] screening test result) *100

CBVCT STI 7: Proportion of clients with [HCV/syphilis/HBV] diagnosis of active infection

Definition	Proportion (%) of clients with [HCV/syphilis/HBV] diagnosis of active infection among all clients tested for [HCV/syphilis/HBV]
Numerator	Number of clients with a confirmed [HCV/syphilis/HBV] positive test result
Denominator	Number of clients screened for [HCV/syphilis/HBV]
Calculation	$(\text{Number of clients with [HCV/syphilis/HBV] diagnosis of active infection}) / (\text{Number of clients screened for [HCV/syphilis/HBV]}) * 100$

CBVCT STI 8: Proportion of clients with [HCV/syphilis/HBV] diagnosis of old infection

Definition	Proportion (%) of clients with [HCV/syphilis/HBV] diagnosis of old infection among all clients tested for [HCV/syphilis/HBV]
Numerator	Number of clients with a confirmed [HCV/syphilis/HBV] positive test result
Denominator	Number of clients screened for [HCV/syphilis/HBV]
Calculation	$(\text{Number of clients with [HCV/syphilis/HBV] diagnosis of old infection}) / (\text{Number of clients screened for [HCV/syphilis/HBV]}) * 100$

CBVCT STI 9: Cost per client screened for [HCV/syphilis/HBV]

Definition	Cost per client screened for [HCV/syphilis/HBV]
Numerator	Total operational cost of the CBVCT service for [HCV/syphilis/HBV] screening
Denominator	Number of clients screened for [HCV/syphilis/HBV]
Calculation	$(\text{Total operational cost of the CBVCT service for [HCV/syphilis/HBV] screening}) / (\text{Number of clients screened for [HCV/syphilis/HBV]})$

CBVCT STI 10: Cost per confirmed [HCV/syphilis/HBV] diagnosis

Definition	Cost per confirmed [HCV/syphilis/HBV] diagnosis
Numerator	Total operational cost of the CBVCT service for [HCV/syphilis/HBV] screening
Denominator	Number of clients with confirmed [HCV/syphilis/HBV] infection

Calculation	(Total operational cost of the CBVCT service for [HCV/syphilis/HBV] screening) / (Number of clients with confirmed [HCV/syphilis/HBV] infection)
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CBVCT STI 11: Proportion of clients with confirmed [HCV/syphilis/HBV] diagnosis who were linked to healthcare

Definition	Proportion (%) of clients with confirmed [HCV/syphilis/HBV] diagnosis who were linked to healthcare
Numerator	Number of clients with confirmed [HCV/syphilis/HBV] infection who were linked to care
Denominator	Number of clients with confirmed [HCV/syphilis/HBV] infection first screened in CBVCT
Calculation	$(\text{Number of clients with confirmed [HCV/syphilis/HBV] infection who were linked to care} / (\text{Number of clients with confirmed [HCV/syphilis/HBV] infection first screened in CBVCT}) * 100$