

Composite Variable Definitions

For All Testing and HERR forms implemented 07/12

What Are Composite Variables?

Definition

Composite variables are variables that are constructed from more than one response option on an encounter form.

Explanation

In some cases it's obvious how questions on an encounter form correspond to values for a variable. For example, the values from a variable we might call "TestedBefore" are "Yes," "No," "Client doesn't know," or "Declined to answer." Since these values map precisely onto the response options for a single question on the encounter form, little additional explanation is needed regarding how they were derived or what they mean.

In other cases it is less obvious. For instance, although many reports provide data on men who have sex with men (MSM) there is no single question or response item on the form to indicate whether a record should be categorized as MSM. Instead, LEO uses responses from multiple questions, including gender, partner type, and sexual behavior to determine whether the client is MSM or not.

LEO has been programmed to store composite variables which have been carefully standardized across forms, and to use them for consistent reporting. To fully understand reports, you must first understand how the various composite variables are constructed. This document explains each composite variable in detail.

Gender

This composite is constructed from "Current Gender Identity" and "Sex Assigned at Birth."

Gender Identity	Birth Gender			
	<i>Male</i>	<i>Female</i>	<i>Intersex</i>	<i>Missing or D/R</i>
<i>Male</i>	Male	Trans FTM	Male	Male
<i>Female</i>	Trans MTF	Female	Female	Female
<i>Trans MTF</i>	Trans MTF	Trans MTF	Trans MTF	Trans MTF
<i>Trans FTM</i>	Trans FTM	Trans FTM	Trans FTM	Trans FTM
<i>Other</i>	Other	Other	Other	Other
<i>Missing or D/R</i>	Male	Female	Other	Unknown

Race

This composite assigns a mutually exclusive category for race even when multiple races are reported. It prioritizes non-white races in that if a client reports being both white and non-white, they are assigned to the non-white category. This is designed to ensure we do not undercount priority populations served, such as African-American or Latino clients.

Variable	Definition
Latino	The client reports they are Latino (even if other races are checked, the client's race/ethnicity shows up as Latino in the race composite)
Black/African American	Black/African American is the only race selected OR Black/African American is selected along with one of the following races: White, Other*, or Unknown
American Indian/Alaskan Native	American Indian/Alaskan Native is the only race selected OR American Indian/Alaskan Native is selected along with one of the following races: White, Other*, or Unknown
Asian	Asian is the only race selected OR Asian is selected along with one of the following races: White, Other*, or Unknown
Native Hawaiian/Pacific Islander	Native Hawaiian/Pacific Islander is the only race selected OR Native Hawaiian/Pacific Islander is selected along with one of the following races: White, Other*, or Unknown
White	White is the only race selected OR White is selected along with one of the following race options: Other*, Unknown, or Declined/Refused
Other	Only Other* race is selected
Unknown	No race is selected OR Only Unknown race is selected OR Only Declined/Refused is selected

Variable/Value	Definition
Non-IDU Stimulant User	IDU composite = No AND Used these drugs = Stimulants AND (MSM = Yes OR Heterosexual composite = Yes)
Heterosexual Multiple Partner	Heterosexual composite = Yes AND Number of vaginal or anal sex partners > 1 [see below for Heterosexual composite definition]
Heterosexual Single Partner	Heterosexual composite = Yes AND Number of vaginal or anal sex partners ≤ 1 (including missing). [see below for Heterosexual composite definition]
Other Risk	Other HIV behavior/exposure risk = Yes
No Risk (NIR)	Did not fall into any of the risk categories above AND Vaginal or anal sex with Male partner = No AND Vaginal or anal sex with Female partner = No AND Vaginal or anal sex with TG partner = No AND Used a needle to inject drugs (12 months) = No
No Reported Risk (Missing Data)	Did not fall into any of the risk categories above AND Client asked about risk factors = (2) not asked OR (3) declined -- OR -- Did not fall into any of the risk categories above AND Vaginal / anal sex with Male partner = Declined/missing OR Vaginal / anal sex with Female partner = Declined/missing OR Vaginal or anal sex with TG partner = Declined/missing OR Used a needle to inject drugs (12 months) = Declined/missing

Variable	Definition
Unknown Risk	NRR (No Reported Risk) = Yes

Positive Type

This variable is used to distinguish between newly-identified confirmed positives, confirmed positives who report a previous confirmed positive result, and preliminary positives. This variable relies on current testing outcome, so is not relevant for non-testing forms.

Variable/Value	Definition
	CIF
Newly-Identified Confirmed Positive	Final HIV status = Positive AND "most recent result received" ≠ Positive
Previous Confirmed Positive	Final HIV status = Positive AND "most recent result received" = Positive
Preliminary Positive	Final HIV status = Preliminary Positive

Age Group

This variable is used to categorize clients into groups according to their age at the initial encounter based on reported birthdate. If birthdate is missing, age is 'unknown.' Age groupings are designed to match population targeting co-factors (accessed in intervention set-up screens).

Age Groups
0 - 12
13 - 18
19 - 24
25 - 34
35 - 44
45+
Unknown