

How to Run Analyses with Custom Fields January 2025

Description

Custom fields are variables that a user can create for event or procedure-specific data. The list of custom fields can be found under the Custom Options page accessed by selecting Facility> Customize Forms from the left navigation bar.

Example

In this example below, we have created three custom fields (variables) for the CBGB procedure form (scrub nurse, 1st assistant, and number of vessels) and have been entering data into these fields in NHSN.

Form Type *: CDC-Defined - PS - Procedure ▼
Form *: CBGB - Coronary bypass w/ chest & donor incisions ▼
Description *: CBGB - CORONARY BYPASS W/ CHEST & DONOR INCISION
Status *: Active ▼

Define Custom Fields			
	Label	Type	Status
<input type="checkbox"/>	SCRUB NURSE	Alphanumeric	Active
<input type="checkbox"/>	1ST ASSIST	Alphanumeric	Active
<input type="checkbox"/>	NO. VESSELS	Numeric	Active
<input type="checkbox"/>			

Find Save Clear

To analyze data from these custom fields, analysis must be done from the Supplemental Reports folder (Analysis>Reports>Supplemental Reports). In this example, because the custom fields are entered for a defined procedure (CBGB), we will use the "Line Listing - All Procedures" report, found in the 'Procedure-level data' subfolder.

It is important to note that for analysis, NHSN will label the custom field variables as "custom 1", "custom 2", etc. rather than the labels you have created. NHSN will number the variables based on the order they appear in custom options manager. For help on how to re-order the variables, select the NHSN help icon found next to the form type.

In this example, scrub nurse will be "custom 1", 1st assist will be "custom 2", and no. vessels will be "custom 3".

How to Run Analyses with Custom Fields January 2025

Report Modification

Below are the modifications for this example. For basic modification guidelines, follow <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.pdf>

The screenshot shows the 'Display Variables' tab in the report modification interface. A red arrow points from the 'Filters' tab to the 'Display Variables' tab. The 'Display Variables' tab shows a list of 'Available Variables' and a 'Selected Variables' column. The 'Available Variables' list includes: ageAtProc, all_incomplete, anesthesia, approach, approachDesc, asa, asaDesc, birthWt, birthWtCode, birthWtCodeDesc, bldLoss, BMI_val, CCN, closure, and closureDesc. The 'Selected Variables' column contains: orgID, patID, dob, custom1, custom2, and custom3. Navigation buttons like 'All', 'Selected', '<<', '>>', 'Up', and 'Down' are visible.

To look at these variables in a line list, select the “Display Variables” tab at the top of the modification screen. Move “custom 1”, “custom 2” and “custom 3” from the Available Variables column to the Selected Variables column.

Report Results

In the Report, the custom variables will be labeled custom 1, 2, and 3 rather than the variable labels you have designated.

National Healthcare Safety Network

Line Listing for All Procedures

As of: December 21, 2016 at 12:12 PM

Date Range: PROCEDURE S procDateYM 2016M01 to 2016M04

orgID	patID	dob	custom1	custom2	custom3
10018	DHQP100166	02/25/1926	SMITH	TAYLOR	2
10018	DHQP100167	07/21/1950	JOHNSON	MCCRAY	3
10018	DHQP100168	12/20/1952	SMITH	COOK	3

The following footnotes apply to the 2015 Baseline only.

1. The "Line Listing for Procedures Excluded from SSI SIR (2015 Baseline)" report contains procedures excluded from one or more SIRs.
2. Variables preceded by excl indicate the reason for exclusion. If excl criterion is set to Y, then the procedure is excluded from the denominator of the related SIR.
3. Please review the Quick Reference Guide on Procedure Exclusion Criteria (URL) for more information on how to determine which records are included in the SIRs.
4. The variable indicating procedures excluded from the CMS IQR program SIR is bs2_comp30dExcl; it applies to COLO and HYST only.

Sorted by procCode

Data contained in this report were last generated on December 21, 2016 at 11:53 AM.

Additional Resources

Modification Guidelines: <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.pdf>