

How to Run Analyses with Custom Fields

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 Advanced folder (Analysis>Reports>Advanced). In this example, because the custom fields are entered for a defined procedure (CBGB), we will use the “Procedure-level Data” analysis option.

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”.

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Report Modification

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

The screenshot shows the report modification interface with the following components:

- Additional Filters:** A filter for 'procCode' with the value 'CBGB - Coronar' and the operator 'equal'.
- Display Variables:** A section with two columns: 'Available Variables' and 'Selected Variables'.
 - Available Variables:** Includes variables like 'ageAtProc', 'all_incomplete', 'anesthesia', 'approach', 'approachDesc', 'asa', 'asaDesc', 'birthWt', 'birthWtCode', 'birthWtCodeDesc', 'bidLoss', 'BMI_val', 'CCN', 'closure', and 'closureDesc'.
 - Selected Variables:** Includes 'orgID', 'patID', 'dob', 'gender', 'custom1', 'custom2', and 'custom3'.

To look at these variables in a line list, select the “Display Variables” tab at the tab on 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	gender	custom1	cus tom3
10018	DHQP100166	02/25/1926	M	SMITH	2
10018	DHQP100167	07/21/1950	M	JOHNSON	3
10018	DHQP100168	12/20/1952	M	SMITH	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_compx30dExcl; 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.



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Additional Resources

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

