

Developing a Decision Support Tool for the Preparedness Emergency Response System for Oversight, Reporting and Management Services (PERFORMS)

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Presentation Objectives

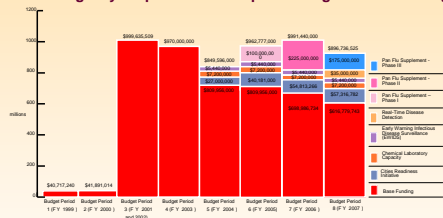
- The focus of this poster presentation is to highlight a decision support tool (Reporting Module) designed in the 'PERFORMS' to facilitate the analysis and reporting of programmatic data from the Public Health Emergency Preparedness Cooperative Agreement.
- Sample reports generated using this tool will also be presented to showcase its utility in data analysis and decision making.

**Preparedness Emergency Response System For Oversight, Reporting and Management Services*

Background on Public Health Emergency Preparedness Cooperative Agreement

- The Division of State and Local Readiness (DSLRL) is responsible for administering the Public Health Emergency Preparedness (PHEP) cooperative agreement.
- Since 2001, over \$8 billion has been awarded to 62 state, territorial, and local grantees through the PHEP cooperative agreement.
- Ensuring fiscal accountability and traceability of these public health preparedness funds is of key importance.

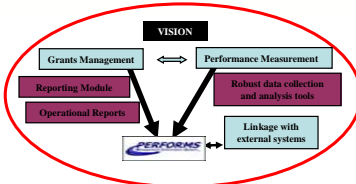
Public Health Emergency Preparedness Cooperative Agreement Funding



Background on Development of PERFORMS

- In 2003, DSLRL began developing a web-based Information System for grants management and performance measurements to:

- Automate the entire life cycle of the PHEP cooperative agreement.
- Provide a structured framework for consistency of reporting.
- Improve the ability to compare information throughout the grant cycle, across grantees, and over time.
- Create an organizational memory of all program data.
- Allow budget accountability at the 'line item' level.
- Improve accessibility to data for analysis and reporting.
- Enforce adherence to program guidance.
- Improve fiscal and program accountability and transparency.



A web-based system that operationalizes the entire grants management life cycle and supports the collection, synthesis and analysis of performance measures and other programmatic indicators to promote accountability at the local, state, and national levels.

Key Program Processes that PERFORMS Supports

PERFORMS supports the following key programmatic processes to facilitate the PHEP:

- Grants Management** - The System enforces the PHEP cooperative agreement guidance and tailors reporting requirements to be in alignment with HHS/CDC regulations.
- Financial Management** - System maintains accountability and traceability of program funds at the line item level
- Program Management** - Components including dashboards, review tools and progress metrics to help DSLRL Project Officers and PGO monitor grants



Driving Force for the Development of the Reporting Module

- The 'PERFORMS' contains a rich repository of preparedness data spanning seven years (2002-2008).
- There is an absence of a user friendly, front end mechanism to extract, analyze and generate meaningful outputs from the system to facilitate the internal operations of grantees and CDC staff.
- Current use of PERFORMS data is limited to the generation of standard reports that drive the grants management process. This results in the under-utilization of a large data set of valuable preparedness information which can be used to support decision making at the state and national level.
- The development of the Reporting Module helps address this limitation by providing an easy to use tool to extract, filter, sort, group and analyze this rich 'preparedness dataset'.
- This allows users to draw upon these data in new and unique ways to facilitate operations beyond supporting the grants management process..

Key Functionalities of the Reporting Module



This figure displays the initial landing page of the Reporting Module. The user may choose to create a report or execute an existing Ad-Hoc report.



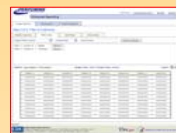
This figure displays the initial landing page of the Reporting Module however, the addition of the Sub Content Area box is now visible. The Sub Content Area drop down box provides a means of focusing the data by an additional level.



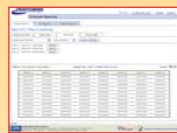
In the next step of the report creation process, the user is presented with 4 tabs which allow them to control and refine the initial set of results.

Modify Columns
 Allows the user to select which columns he/she would like to see. In addition, the user may also control the order in which the columns are displayed.

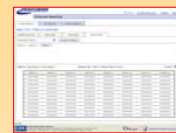
Reporting Module Functionalities (cont.)



Filter Data
 This tab allows the user to select a particular column or multiple columns and add criteria which that column must meet in order to be displayed on the screen.



Sort Data
 This tab allows the user to control the sort order in which the data is presented. The user has the ability to add multiple sort options. Sort options can be set to either ascending or descending order.



Group Data
 This tab allows the user to select from a predefined list of columns related to the content area chosen in the previous step. Grouping can be done on only 1 column. The user may create groups of records that share some common characteristic by using this feature.

Sample Reports Generated from the System



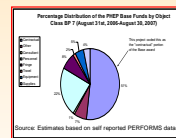
This figure displays the **My Reports** section. All the reports that have been created and saved by the user are stored here. The user may run any of the reports he/she has created and in addition they can edit or delete them as well.

Search Reports

This field allows you to search by key word against the title and description of each report.



This figure displays the **Shared Reports** section. Shared Reports are reports that have been created by the Administrator and shared to either all users or a select group of them. Shared Reports cannot be deleted by the user, they must be deleted by the Administrator.



During Budget Period 7 (BP7), grantees allocated approximately 51% of the funding awarded in Base funds through the PHEP cooperative agreement to Contracts.

Extracted and filtered data can be saved as a Word, Excel, or CSV file and used to generate customized outputs such as the one above using

Conclusion

- The Reporting Module:
 - Promotes transparency in the preparedness program by allowing grantees to review their preparedness data across multiple funding years and CDC to review data across multiple grantees and funding years.
 - Reduces reliance on developers/analyses by allowing end users to extract and analyze their data using an intuitive and user friendly interface.
 - Allows the preparedness program to realize the full utility and value of PHEP data beyond the grants management process.
- Systems based approaches outlined here are not unique to the PHEP cooperative agreement and can have widespread applicability for other cooperative agreement programs across CDC.
- Potential utility of these features as a CDC-wide enterprise solution should be explored.

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

