



Portfolio Tracking & Coordination Initiative (PTCI)

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Introduction

The Public Health Emergency Medical Countermeasures Enterprise (PHEMCE) is comprised of multiple US Government Agencies that work on medical countermeasures (MCMs) to mitigate medical consequences of a chemical, biological, radiological, or nuclear (CBRN) event, pandemic influenza or emerging infectious disease with a significant public health impact.

Challenges:

- MCM development (vaccines, biologics, drugs, and diagnostics) is characterized by long timelines, great expense, high failure rates
- No single agency is involved in the end-to-end development of MCMs
- No single agency has complete overview or management of the MCM R&D landscape across the USG

Need:

- Visibility and coordination of activities across the enterprise to inform resource decisions.

Response to Need:

Portfolio Tracking and Coordination Initiative (PTCI) - Suite of tools to enhance visibility and coordination of the MCM portfolio

- Development of MCM enterprise standardization and process harmonization
- Construction of relevant information management tools to support data driven decision making
- Portfolio Tracking Tool, Inter-Agency Cost Model, Broad Based Capabilities Tool

Participants:

- PHEMCE Agencies within US Government
- Close international defense allies and public health partners from Australia, Canada, and the United Kingdom

Funding:

- Co-funding by HHS and DoD

Portfolio Tracking Tool (PTT):

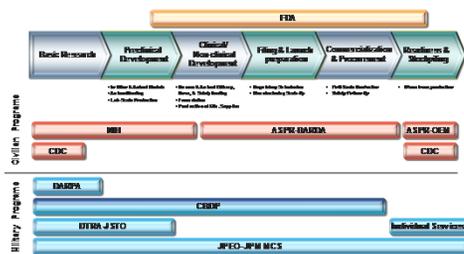
- Collects high-level data from individual medical countermeasures projects across the international portfolio
- Threat, product type, TRL level, relationship to other contracts, project scope/schedule and high-level fiscal information.
- Aggregates into analytical reports and dashboards on key performance indicators
- Cost, schedule, product maturity, indications pursued, requirements supported, collaborations, benchmarking, investments by threat, performer analysis and transition planning
- Hosted on a Federal Information Security Management Act (FISMA) certified cloud
- Real-time web access to analytical information to enable data driven decision making

Utility for NIH CounterACT:

- NIH's participation and collaboration in this effort helps improve internal management of MCM grants and contracts
- Contributes to decision support and situational awareness of the international portfolio

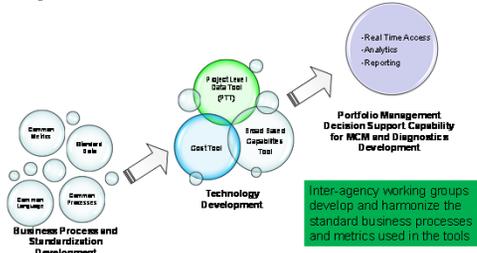
Portfolio Tracking Tool

No Single Agency has Visibility into the Entire MCM Development Portfolio

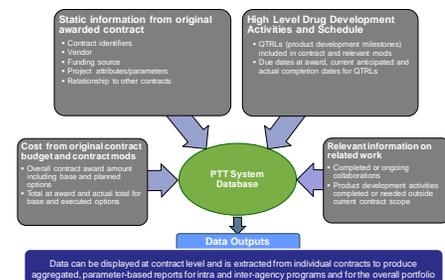


Overview: Portfolio Tracking and Coordination Initiative (PTCI) Framework

To develop a robust capability it is critical to first develop common business processes to inform technology decisions and overall capability design



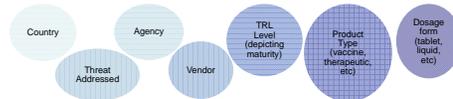
PTT Data Inputs



PTT Outputs and Analytics

Portfolio data collected from across four nations is aggregated and analyzed in many different ways using template reports with selectable parameters - applied to the overall portfolio or any chosen subset

Various data inputs/parameters are mixed and matched to generate desired reports. Some examples of parameters are shown below:



Select examples of the template reports are shown below:

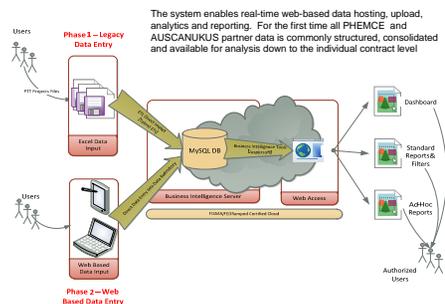
- # of contracts addressing a particular threat by program/agency/country or the whole portfolio
- # of contracts by TRL level by Agency/country or threat
- # of contracts by product type for a particular threat by country/agency
- List of projects related to each other by threat/agency/country (shows transitions/collaborations)
- Total amount spent by threat by agency
- Average variances in key milestone completion by agency or functional area

Enterprise and Partner Interest/Adoption

The PTT has been received with robust interest and participation across AUSCANUKUS

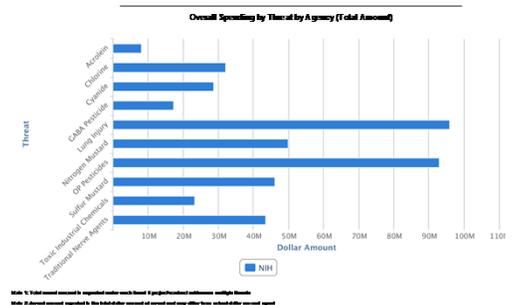
COUNTRY/ORGANIZATION	AGENCY	PROGRAM	DATA BERT	US-CERT/REF/COMMIT/DATE	ADDITIONAL REPORTS/ACTIVITY/INITIATIVE
US HHS	BARDA	Pre-Clinical RD	✓	✓	✓
	NIH/DAIT	Pre-Clinical RD	✓	✓	✓
	NIH/INDS	Clinical RD	✓	✓	✓
	ASPR/ARCA	CR RD	✓	✓	✓
US DoD	FDA	Regulatory	✓	✓	✓
	CSO	Diagnostic	✓	✓	✓
	CRD/CRDP	CR RD MCM MT	✓	✓	✓
US DHS	JSTO	CR Early RD	✓	✓	✓
	JPM-CED	CR RD	✓	✓	✓
UK MoD	AFRI	Pre-Clinical RD	✓	✓	✓
UK Public Health	SAT	CR Diagnostic	✓	✓	✓
CAH France	DSIT	CR Early RD	✓	✓	✓
CAH Public Health	Department of Health	CR RD Early RD	✓	✓	✓
AUS Public Health	Discipline Health	CR RD Early RD	✓	✓	✓
AUS Military	SVCS/Defence	CR RD Early RD	✓	✓	✓
AUS Public Health	Public Health Agency of Canada	CR RD Early RD	✓	✓	✓
AUS Military	AUS	CR RD Early RD	✓	✓	✓

PTT Design Model

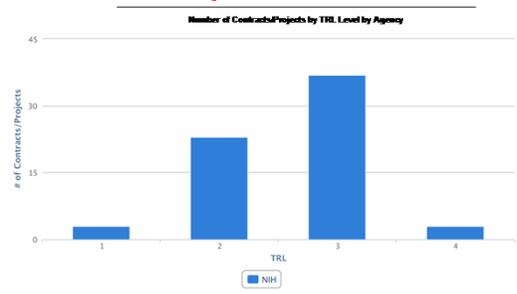


Sample Reports

Integrated Portfolio for CBRN MCMs



Integrated Portfolio for CBRN MCMs



Integrated Portfolio for CBRN MCMs

