

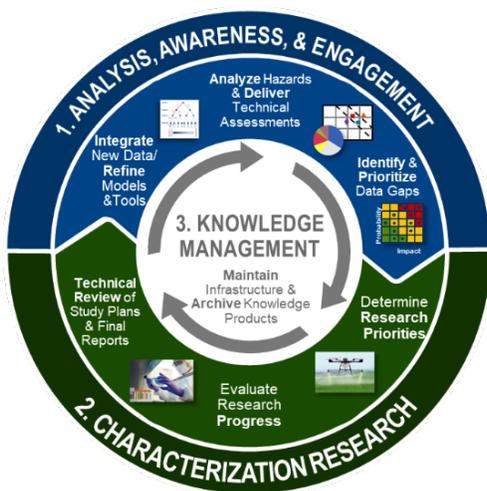
Probabilistic Analysis for National Threats, Hazards, and Risks (PANTHR) Technical Requests and Tailored Analyses



Science and Technology

BACKGROUND

The Department of Homeland Security (DHS) Science and Technology Directorate's (S&T) Probabilistic Analysis of National Threats, Hazards and Risks (PANTHR) program supports the national chemical, biological, radiological, nuclear, and explosive (CBRNE) defense mission by providing accurate, useful, timely and defensible knowledge and tools to stakeholders to enable risk-informed decision making. PANTHR informs and enables decision-makers to address CBRNE threats more effectively through a variety of products and tools, one of which is the annual CBRNE Strategic Risk Assessment.



WHERE CAN I FIND THE ANNUAL CBRN RISK REPORT?

PANTHR does not generate a sole annual report due to the significant amount of data generated by the CBRNE Strategic Risk Analysis and the numerous questions that could be answered. However, PANTHR has established a customer-specific workflow to help improve efficiencies, transparency, and increase confidence in the annual CBRNE Strategic Risk Results through the generation of tailored products, a majority of which are covered by PANTHR programming resources.

RISK RESULTS CAN BE STAKEHOLDER SPECIFIC

Due to the diverse missions of DHS Components and the interagency, tailoring decision support to specific missions is critical. PANTHR leverages its modeling capabilities and community tools to aggregate and tailor products to meet customer-specific needs.

Examples of recent specific customer requests include:

- Assessment of the risk to DHS employees from biological agents in various buildings and airports to inform medical countermeasure investment efforts.
- Providing multiple high-risk scenarios to facilitate scenario-based planning.
- Analysis of consequences of an infectious agent scenario leveraging city-to-city spread models.

HOW DO I SUBMIT A REQUEST FOR ANALYSIS OR ASK FOR MORE INFORMATION?

PANTHR has established a standard process for the intake and completion of tailored analyses and technical requests:

- **Step 1:** Email PANTHR (PANTHR@hq.dhs.gov) with a brief overview of your request or question. If you are unsure of the scope of your request or want to ask questions before submitting an official request, please email us at the same address and we will set up a time for you to talk to our subject matter experts and get help scoping the request.
- **Step 2:** PANTHR will set up a meeting to discuss the details of your request (if not previously conveyed via email). A study plan timeline and product format are established.
- **Step 3:** PANTHR conducts your analysis and provides periodic updates.
- **Step 4:** PANTHR drafts a final product for your review, summarizing the results of your requested analysis.
- **Step 5:** You provide feedback on the product, and PANTHR implements feedback accordingly.
- **Step 6:** PANTHR delivers the final product.

