

How Governmental Support for Exposomics Promotes Citizens' Health, Wellbeing, and Longevity

Key Benefits of Exposome Research:

Targeted Interventions

Exposomics helps develop tools to monitor, collect evidence and define actions to **prevent, mitigate or eliminate risks.**

Data Informed Legislation

Exposomics helps determine how health indicators like **environmental exposures linked to access to care, and lifestyle** inform health outcomes.

Improved Outcomes

Exposomics helps **reduce adverse health outcomes** by accounting for and integrating social-environmental determinants of health into diagnostics.

Environmental factors *significantly* influence human health and can account for up to **70% of disease risk**, while genetic factors account for a maximum of **30%**.
Exposomics, a field within public health, contextualizes these factors and translates them into data-informed, targeted interventions.

Exposome Research Policy Targets:

Chronic Disease

A Human Exposome Project would highlight the **interactions between genes and exposures** - a connection critical for effective disease prevention and public health planning.

Food Quality

Exposomics can drive improvements in **food production and safety** as well as mitigating potential risk of contamination.

Urban Resilience

Exposomics fosters innovation in **adaptive** urban planning, public transportation design and environmentally sound building materials.



GLOBAL EXPOSOME FORUM