

Central Region Integrated Preparedness Planning Workshop

Districts 5,6, and 7

Hazard Vulnerability Assessment Results

Data Elements Key:

Probability Score = The perceived probability of a hazard occurring.

Impact score = The impact a hazard is rated to have on healthcare service delivery.

Risk Factor (RF) Rate = Final risk factor of hazard calculated by combining all risk related data elements.

Protective factor (PF) rate = Final protective factor of hazard calculated by combining all protective factor data elements.

Final HVA score = Final hazard vulnerability rate calculated by combining the final risk and protective factors scores

Coalition capability (CC) score = Rate given to the HCCs capability to respond to a hazard.

External capability (EC) score = Rate given to a jurisdiction's response partners outside of the HCC capability to respond to a hazard.

Integration factor = Result of an assessment of the HCC's efforts to integrate various considerations for vulnerable populations into their response and recovery efforts.



Indiana
Department
of
Health

Division of
Emergency
Preparedness

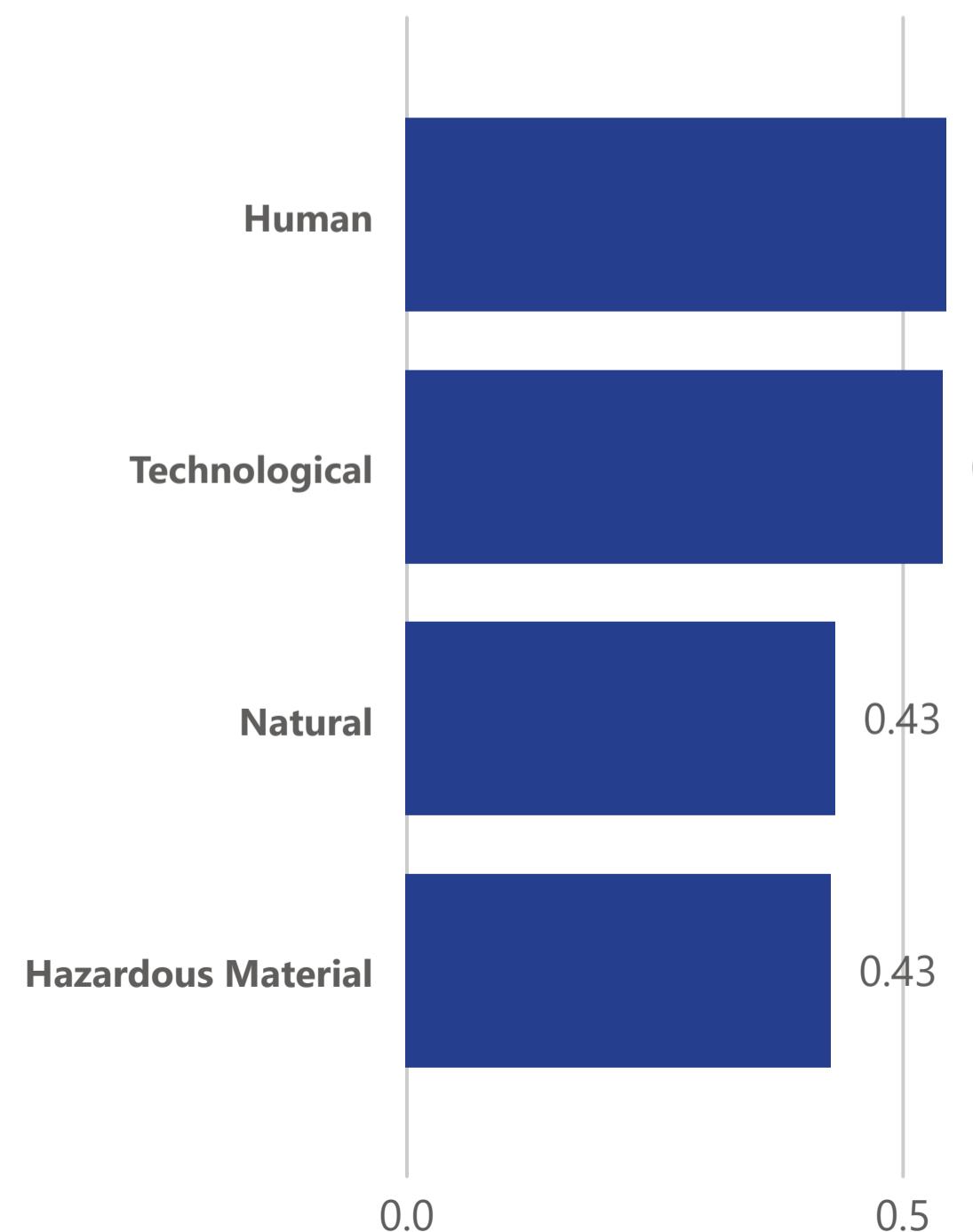
Hazard Type Overview

At 1.47, Technological had the highest Average of Perceived Probability Score and was 57.74% higher than Hazardous Material, which had the lowest Average of Perceived Probability Score at .93.

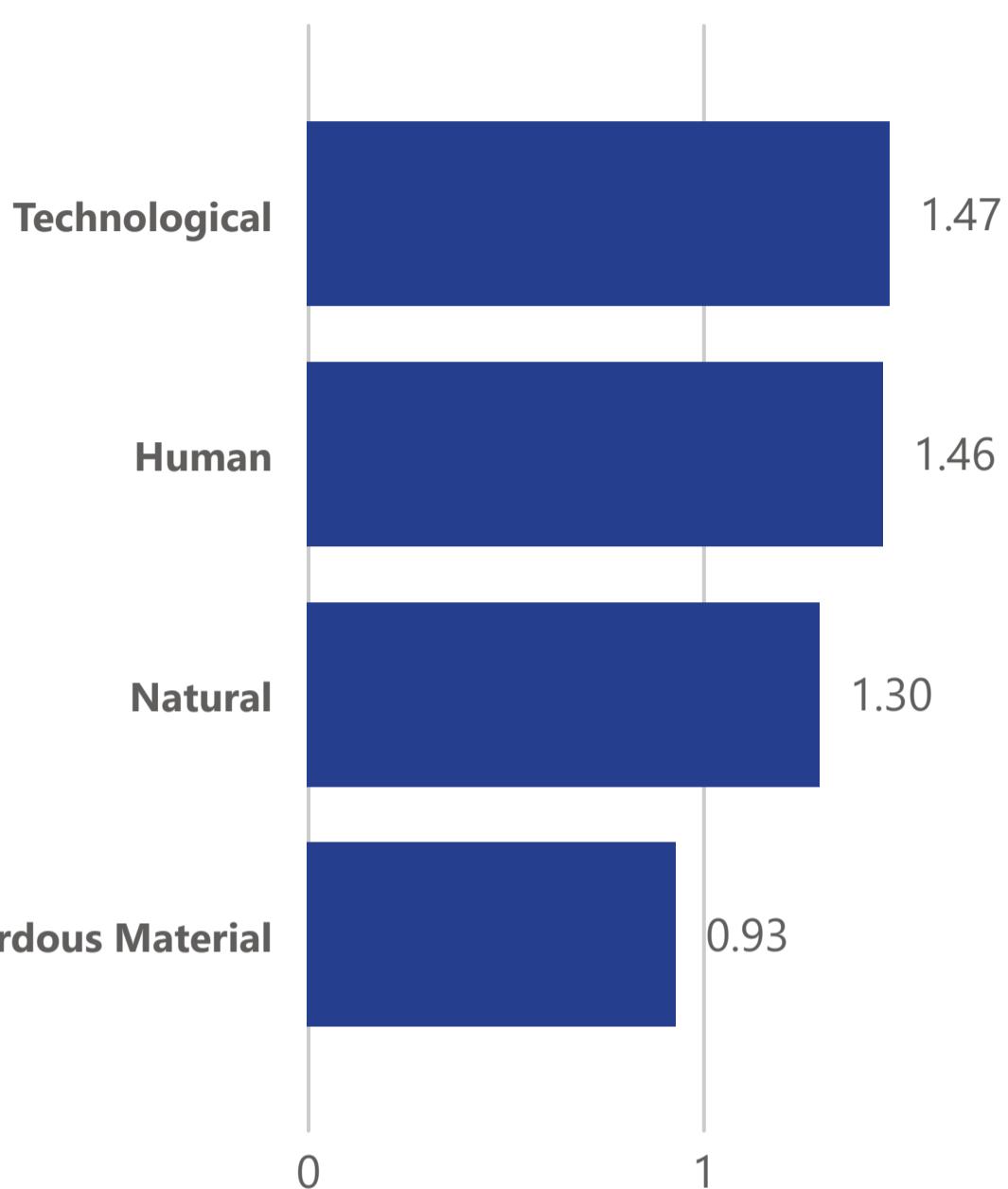
Technological had the highest Average of Perceived Probability Score at 1.47, followed by Human, Natural, and Hazardous Material.

Across all 4 Hazard Type, Average of Perceived Probability Score ranged from .93 to 1.47.

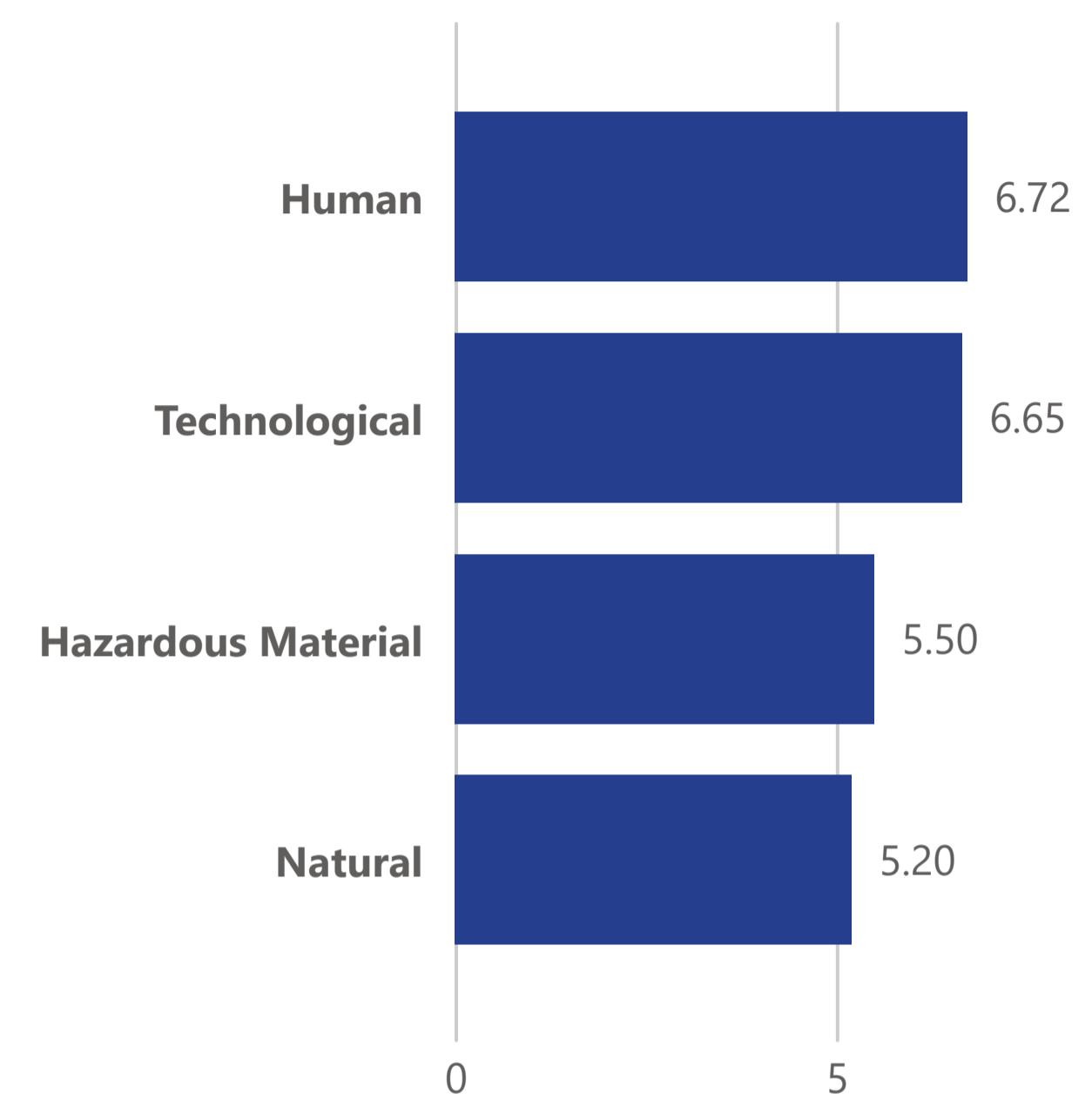
Risk Factor Rate



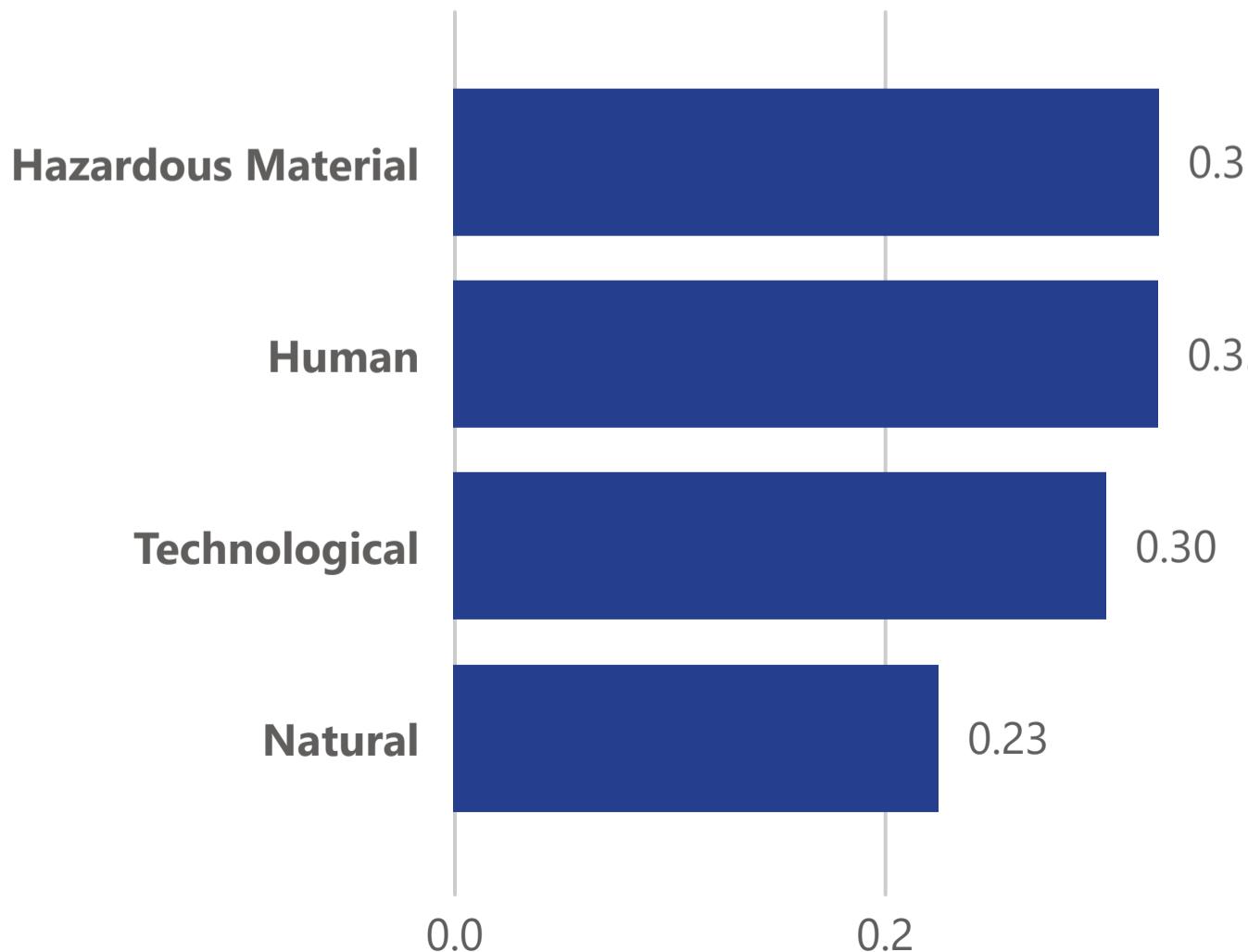
Probability Score



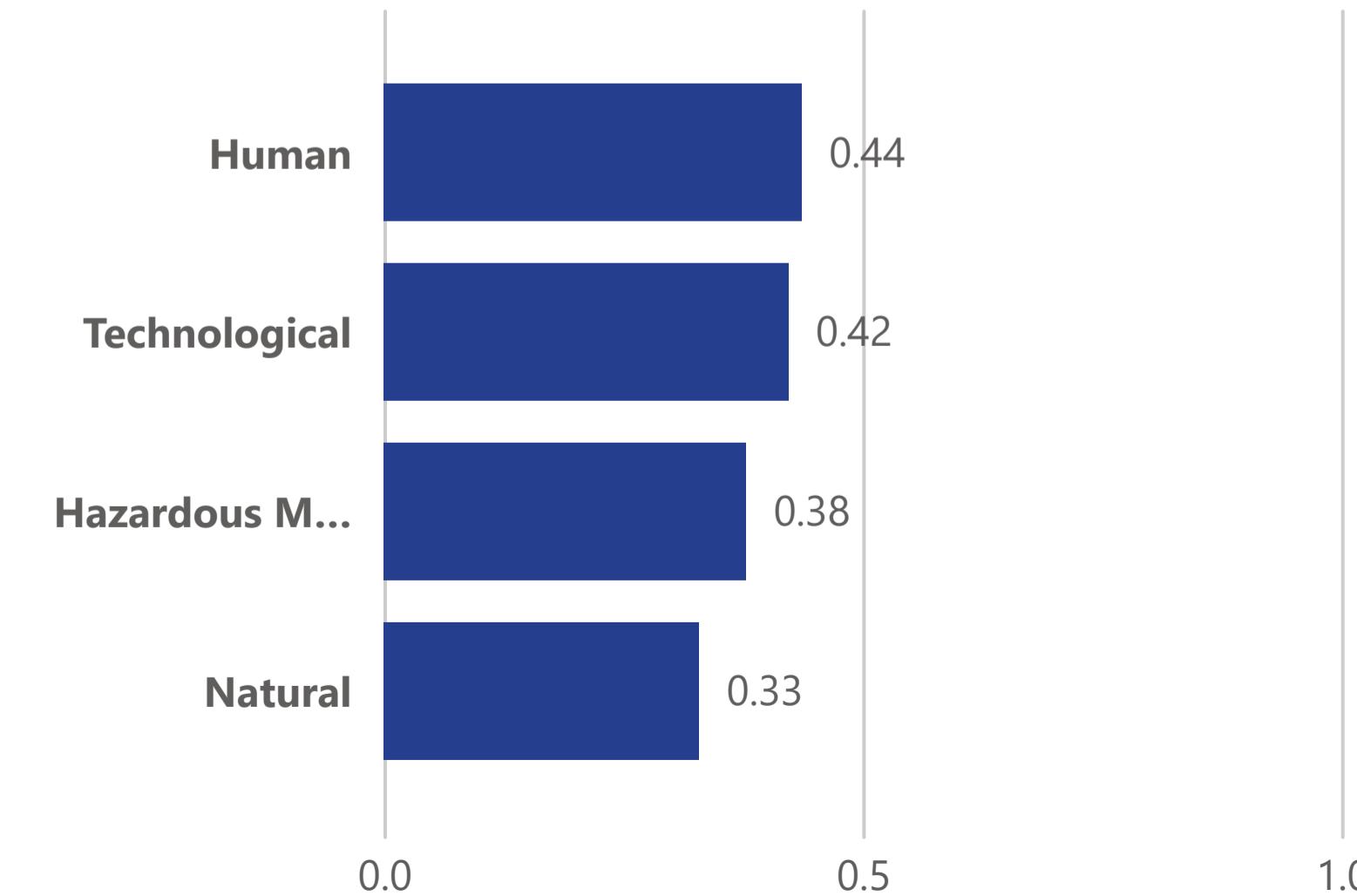
Impact Score



Protective Factor Rate

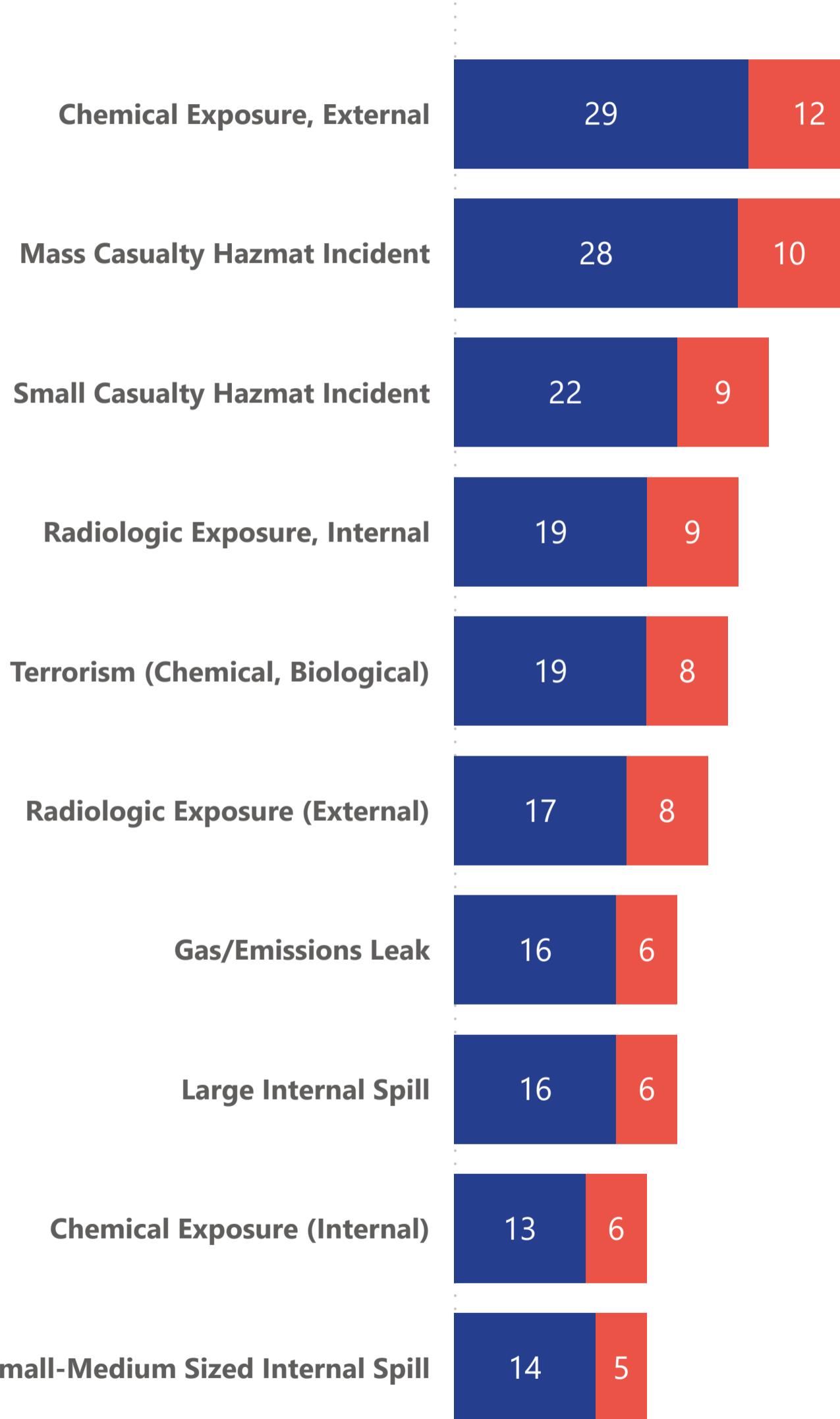


Final HVA Score

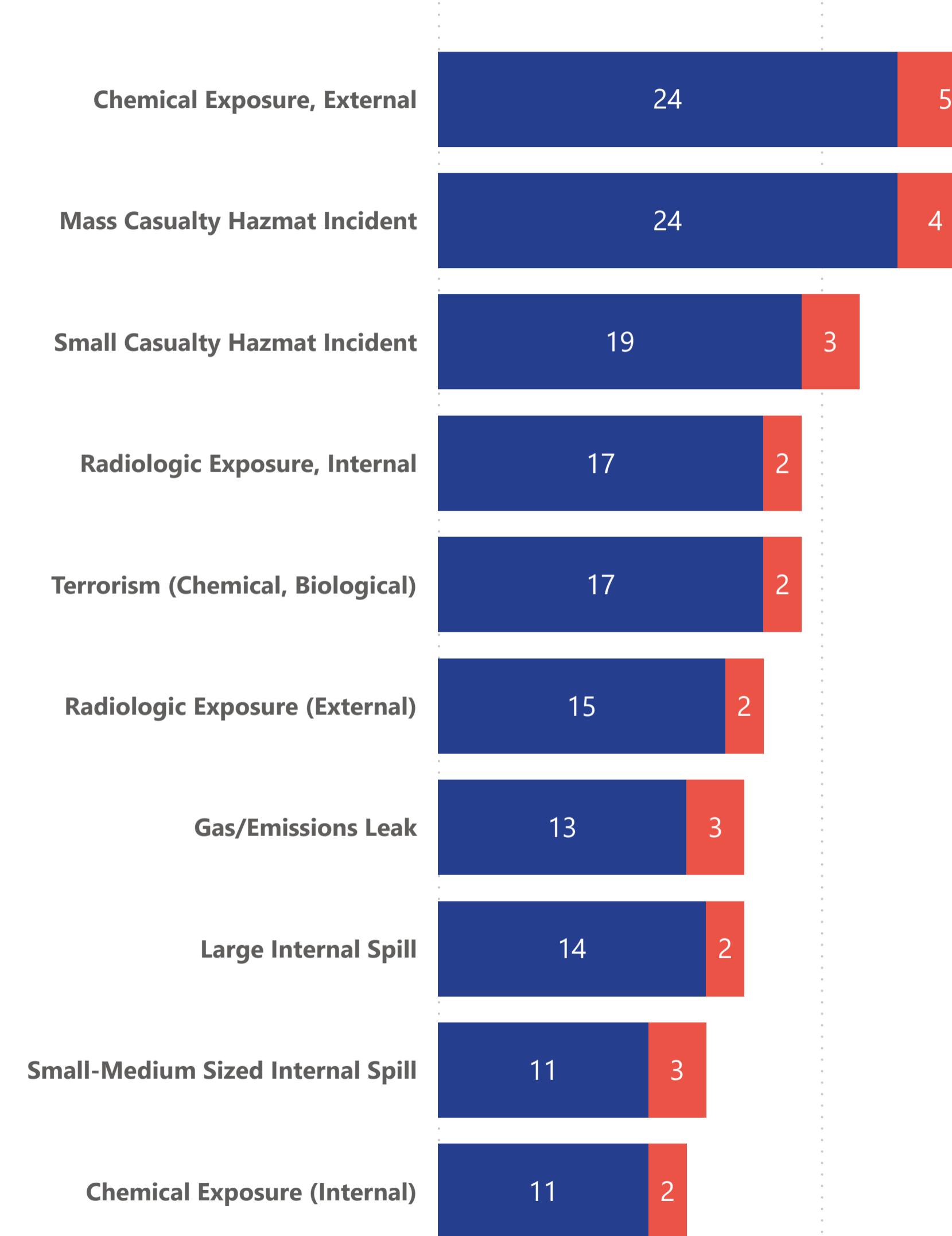


Hazard Vulnerability Assessment Final Vulnerability Score by Factor

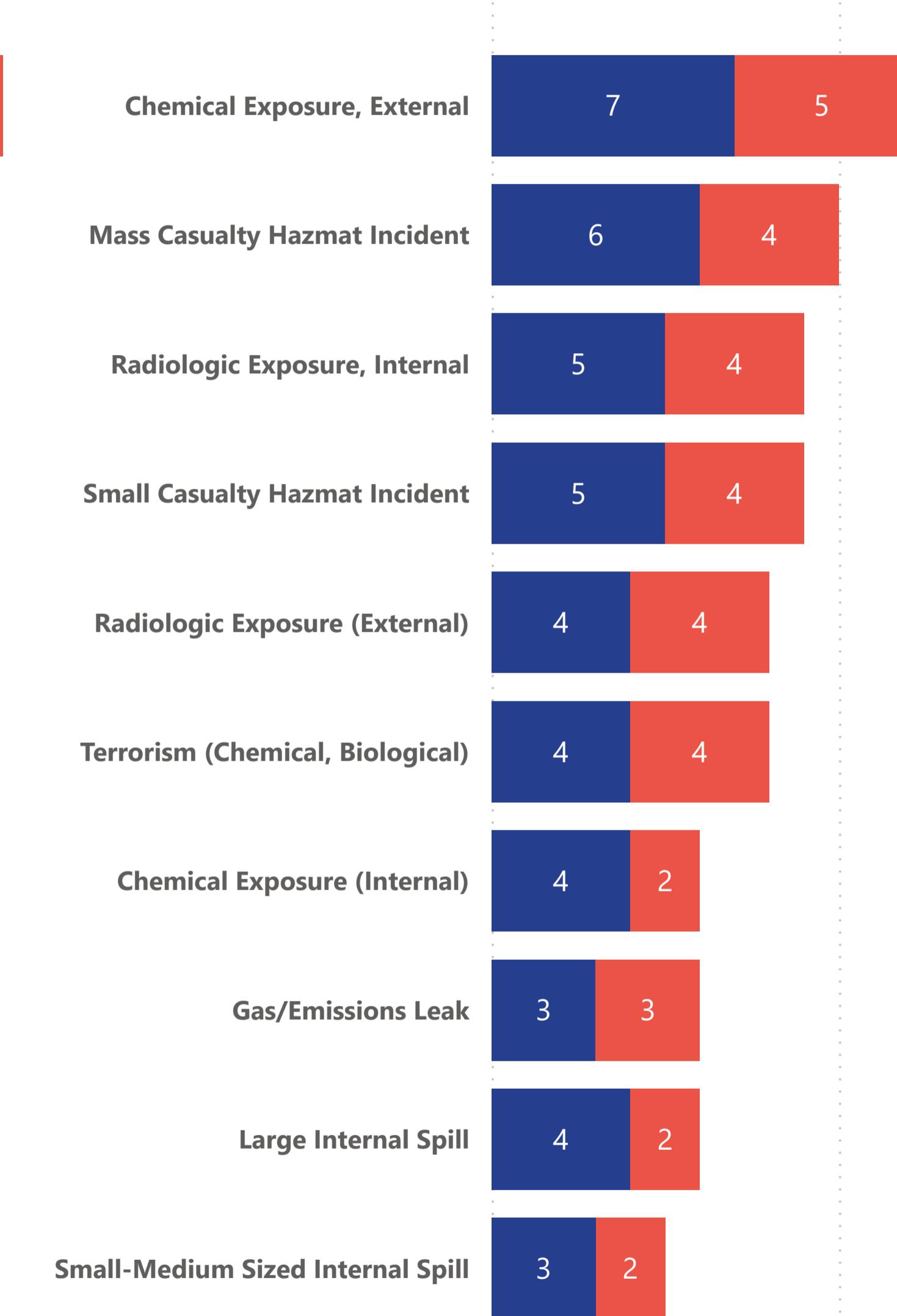
Final Hazard Vulnerability Score



Risk Factor Score



Protective Factor Score

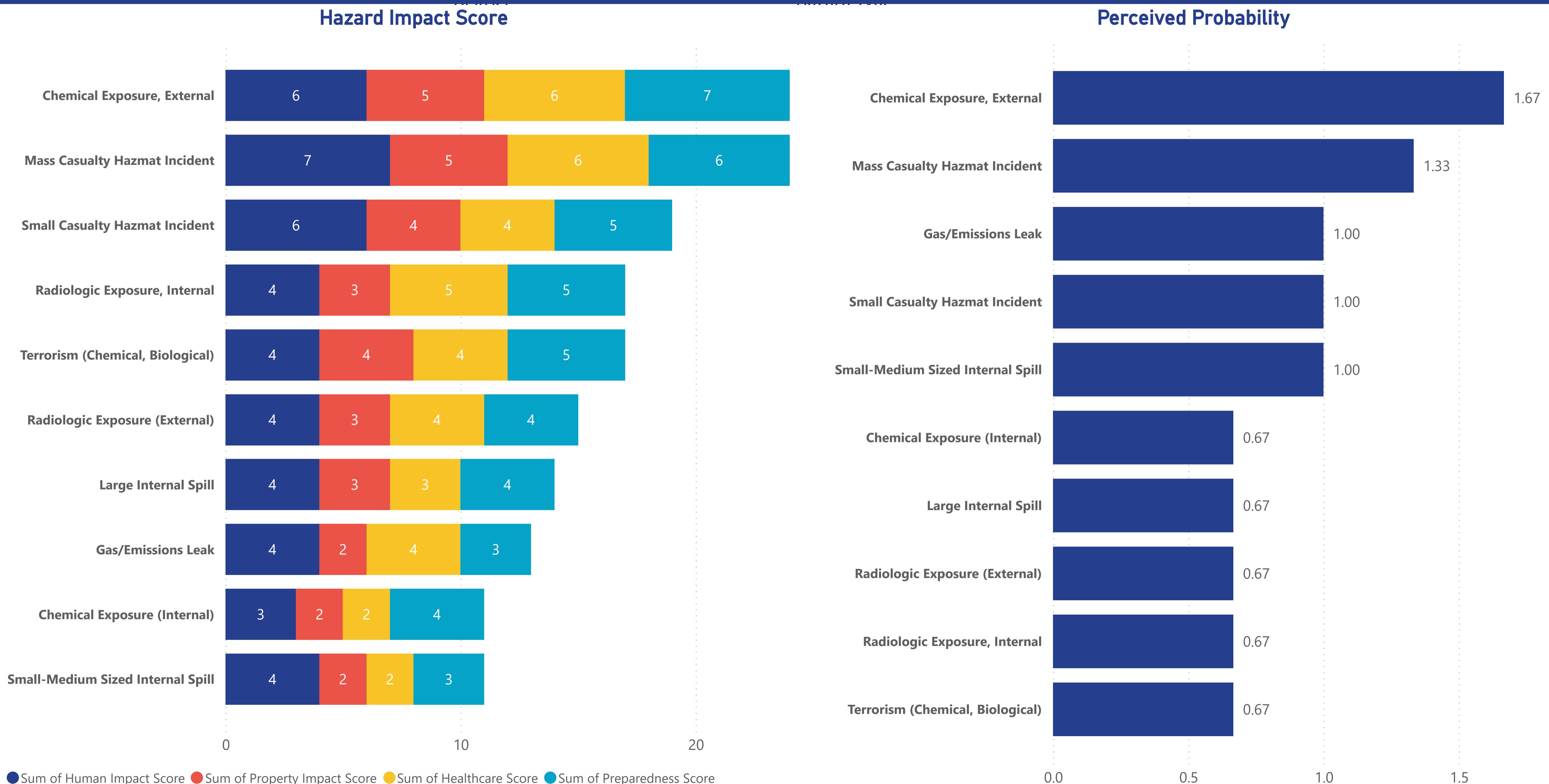


● Sum of RF Score ● Sum of PF Score

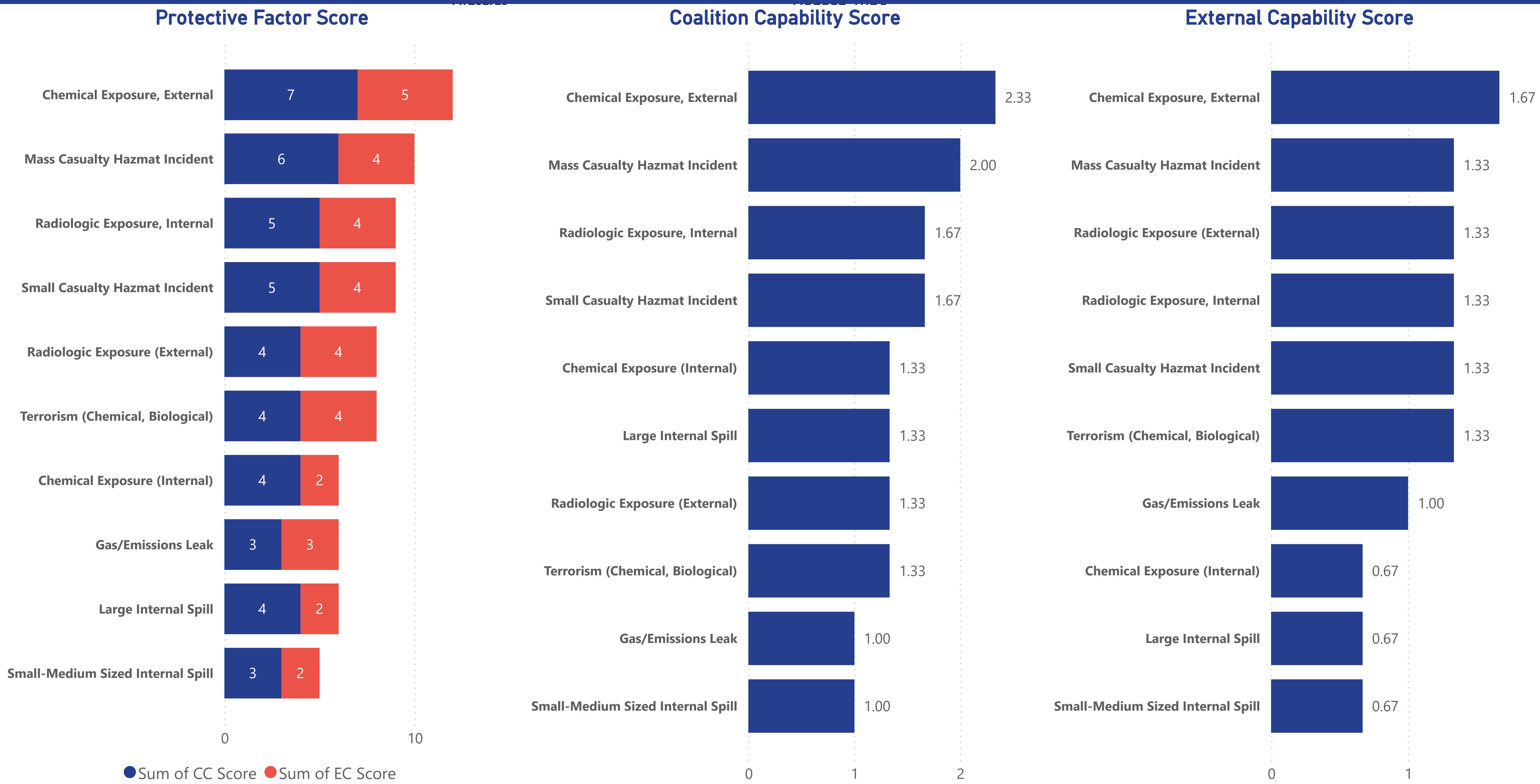
● Sum of Impact Score ● Sum of Perceived Probability Score

● Sum of CC Score ● Sum of EC Score

Detailed Risk Factor Overview

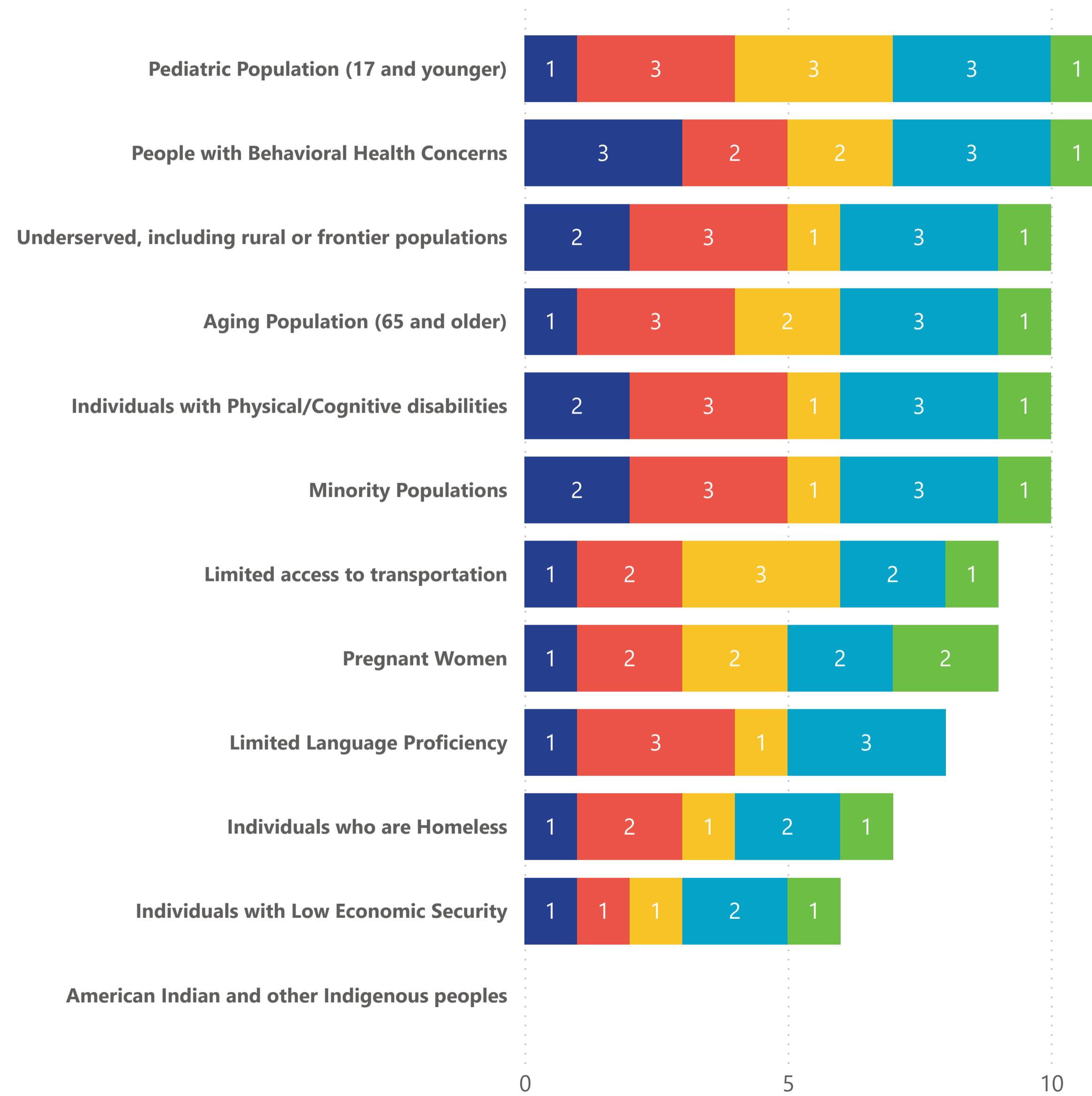


Detailed Protective Factors Overview

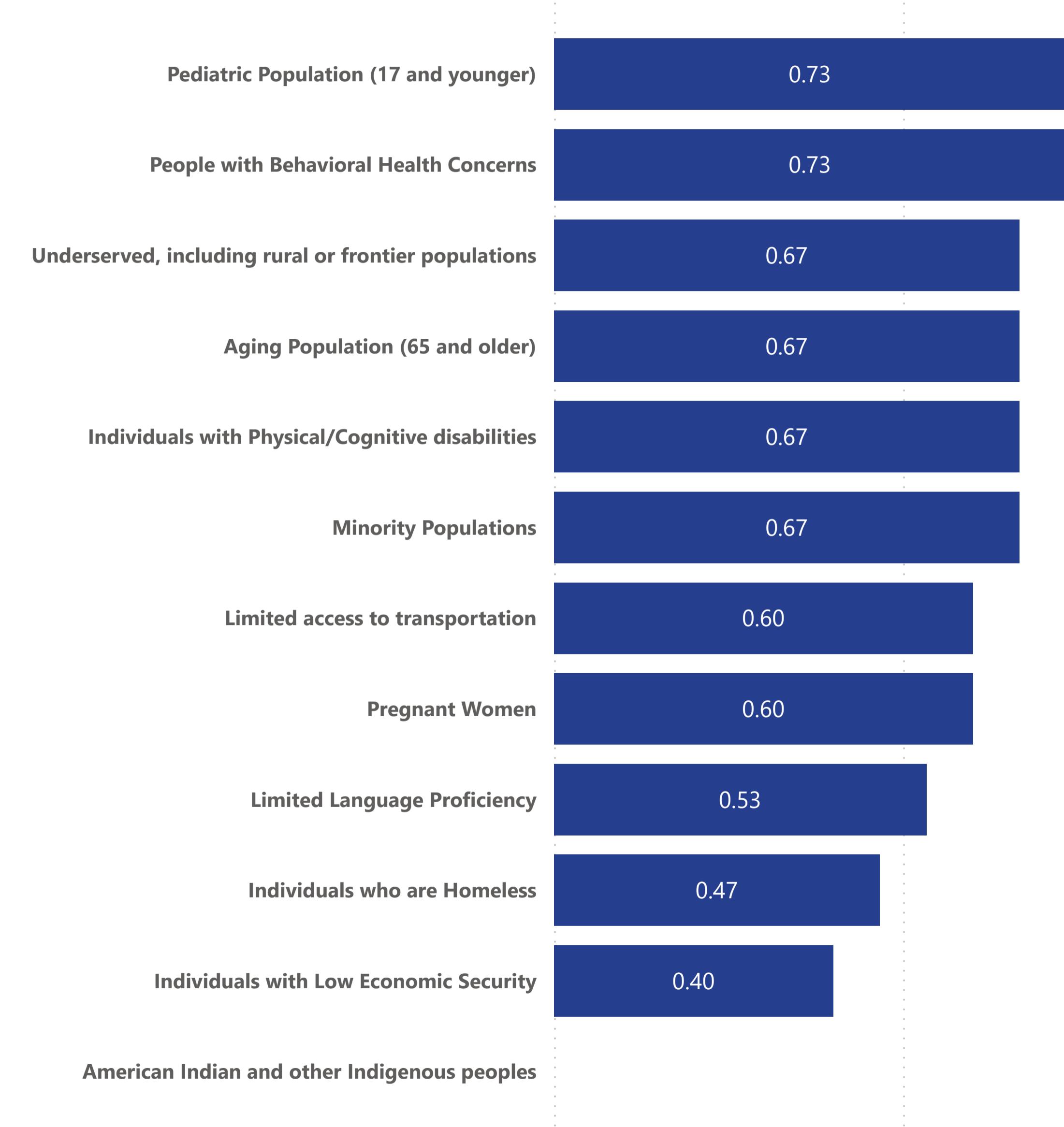


Detailed Integration Factor Overview

Integration Factor Results



Integration Factor Rating



Hazard Ranking Comparison by District

| Hazard | 5 | 6 | 7 | Total |
|-------------------------------------|------|------|------|-------------|
| Tornado | 0.57 | 0.77 | 0.43 | 0.59 |
| Patient Surge | 0.72 | 0.50 | 0.50 | 0.57 |
| Water Contamination | 0.57 | 0.63 | 0.52 | 0.57 |
| Terrorism, Biological | 0.60 | 0.58 | 0.52 | 0.57 |
| Utility Failure | 0.55 | 0.53 | 0.58 | 0.56 |
| Active Shooter | 0.50 | 0.65 | 0.52 | 0.56 |
| Fire Internal | 0.47 | 0.63 | 0.55 | 0.55 |
| Shelter in Place | 0.50 | 0.60 | 0.53 | 0.54 |
| Mass Casualty Hazmat Incident | 0.48 | 0.67 | 0.45 | 0.53 |
| Snowfall | 0.60 | 0.57 | 0.42 | 0.53 |
| Epidemic/Infectious Disease | 0.50 | 0.53 | 0.52 | 0.52 |
| Fire Alarm Failure | 0.53 | 0.50 | 0.52 | 0.52 |
| Ice Storm | 0.63 | 0.50 | 0.42 | 0.52 |
| HazMat Exposure Internal | 0.45 | 0.53 | 0.55 | 0.51 |
| Power Outage | 0.38 | 0.57 | 0.58 | 0.51 |
| Severe Storms | 0.55 | 0.57 | 0.42 | 0.51 |
| Mass Casualty Incident (trauma) | 0.40 | 0.70 | 0.42 | 0.51 |
| Cyber Attack | 0.53 | 0.37 | 0.58 | 0.49 |
| Small Casualty Hazmat Incident | 0.53 | 0.53 | 0.42 | 0.49 |
| Supply Shortage | 0.67 | 0.27 | 0.55 | 0.49 |
| Bomb Detonation | 0.52 | 0.43 | 0.52 | 0.49 |
| Chemical Exposure, External | 0.40 | 0.58 | 0.48 | 0.49 |
| HVAC Failure | 0.35 | 0.57 | 0.52 | 0.48 |
| Mass Casualty Incident (Infectious) | 0.43 | 0.53 | 0.47 | 0.48 |
| Bomb Threat | 0.45 | 0.57 | 0.42 | 0.48 |
| Water Failure | 0.40 | 0.50 | 0.52 | 0.47 |
| Electrical Failure | 0.32 | 0.52 | 0.58 | 0.47 |
| Evacuation | 0.38 | 0.50 | 0.52 | 0.47 |
| Information Systems Failure | 0.45 | 0.40 | 0.55 | 0.47 |
| Generator Failure | 0.45 | 0.38 | 0.55 | 0.46 |