

Causes of Death Tracker Database Application

GROUP 24

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Our database application is designed to provide a comprehensive overview of the different causes of death across different countries and regions of the world. By collecting and storing data on mortality rates associated with various diseases, natural disasters, terrorism, self-harm, and exposure to forces of nature, we aim to provide valuable insights into the relative risks and challenges facing different populations around the world. We have obtained CSV files that contain information on the number of deaths caused by specific factors, such as diseases, self-harm, natural disasters, terrorism, and exposure to forces of nature. To organize and analyze this data, we have designed an entity-relationship (ER) diagram that includes entities for Countries, Diseases, Terrorism, Self-Harm, and Exposure to Forces of Nature, as well as relationships between them. By capturing data on the number of deaths associated with each entity, we can develop a comprehensive overview of mortality rates and trends around the world.

Our database will allow users to explore the relationship between different causes of death and their geographic, economic, and social context. By analyzing the data in our database, users will be able to identify trends, patterns, and risk factors associated with different causes of death and develop strategies

to mitigate these risks. We believe that our database can contribute to addressing some of the most pressing world problems related to health, safety, and security.

By providing a centralized repository of data on different causes of death, our database can help policymakers, healthcare professionals, and other stakeholders make informed decisions and develop targeted interventions to improve health outcomes and reduce mortality rates around the world. Overall, our database application represents a powerful tool for understanding and addressing the complex challenges facing different populations around the world in terms of mortality rates associated with different causes of death.

All the csv files of the data we have used and our ER diagram can be found at our Github repository. <https://github.com/egekaramelek/cs306-group24.git>