Public health awareness: phase 4

Creating visualizations using IBM cognos and integrating code for data analytics typically involves the use of machine learning models and libraries. Here's a simplified example of how you can create visualizations using Python with the help of AI code and libraries such as matplotlib and seaborn:

```
Import pandas as pd
Import matplotlib.pyplot as plt
Import seaborn as sns
From sklearn.cluster import KMeans

# Load your dataset (replace 'your_data.csv' with your dataset's file path)
Data = pd.read_csv('your_data.csv')

# Perform data preprocessing and feature selection (not shown here)

# Use AI for data analysis (example: clustering using K-Means)
Kmeans = KMeans(n_clusters=3)
Data['cluster'] = kmeans.fit_predict(data[['feature1', 'feature2']])  # Adjust features as needed

# Create visualizations
Plt.figure(figsize=(8, 6))
Sns.scatterplot(x='feature1', y='feature2', data=data, hue='cluster', palette='Set1')
Plt.title('K-Means Clustering')
Plt.show()
```

In this example, we first load a dataset and preprocess it as needed. Then, we use the K-Means clustering algorithm to cluster the data into three groups. Finally, we create a scatterplot to visualize the clusters, where each point is colored based on its cluster assignment.

Please note that the code above is a simplified example. In a real-world scenario, you would need to adapt it to your specific data, AI models, and analysis goals.