

Correlation between the trend of TB incidence rate in the US and the TB incidence rate in Puerto Rico from 1993 to 2017

Bowranigan Tharmalingam

Amber Todd, Medical Education

Global Health

Scholarship in Medicine Final Report

Abstract

The aim of this project is to see if there is a correlation between the trend of Tuberculosis incidence rate in the US and the Tuberculosis incidence rate in Puerto Rico from 1993 to 2017. Using data from CDC Wonder- Online Tuberculosis Information System, Pearson Correlation test was used to investigate the relationship between TB incidence rate in US versus Puerto Rico between year 1993 and 2017. Analysis shows a strong positive association and significant correlation between TB incidence rate between both region over the 26-year timeframe. This result is important because it opens doors for in-depth future research to identify the common variables and causes for the positive correlation.

Key Words: (TB, United States, Puerto Rico)