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by Sdn Jdks

Submission date: 11-Sep-2021 08:43AM (UTC-0400)

Submission ID: 1645919990

File name: C_1_DQ_1__Basic_Concepts_in_Public_Health_Statistics.edited.docx (14.42K)

Word count: 401

Character count: 2391

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Statistics and Public Health

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Statistics and Public Health

Statistics involves collecting data and analysis in establishing various issues within a society or a particular phenomenon of concern within an area of expertise. Statistics provide an actual snapshot of the general population in terms of public health and other elements of concern to public health. Statistics help establish the intensity of the issue of concern and thus help plan for the control of the issue. According to Streiner (2017), public health providers require accurate data to substantiate a problem to define strategies for handling the issue. For instance, if the public health staff would wish to provide home-based care for type 2 diabetes patients, the team will require data on the number of the patients in planning for the resources to be allocated for the venture. Statistics also establish the trend of occurrence of healthcare issues which is essential for planning and preparedness. For instance, establishing that influenza incidence rates are highest in particular seasons enables the planning team to be equipped with influenza vaccines and medications.

Statistics provide essential information on evidence-based practices used to measure the effectiveness of a particular intervention. The role of evidence-based practices is to inform the decision-making process in the healthcare system that would lead to the implementation of the correct and effective interventions (Kim et al., 2020). The statistics provide the most effective interventions and implementation strategies required by the public healthcare team. After implementing an intervention, the public healthcare team needs to evaluate its effectiveness in countering the particular issue established earlier. To establish the success or gaps with the intervention, the team should compare the previous and current data in response to the intervention. Statistics play a vital role in establishing the effectiveness of an implemented

intervention and implementation process for continuous quality improvement in patient care, community health, and well-being.

In the future of my career, I look forward to using statistics to determine the quality of care in society by observing the incidence and prevalence rates of various health issues periodically. I would also wish to use statistics in predicting future health conditions, which is important in decision-making and preparedness for health adversities.

References

¹ Kim, M., Mallory, C., & Valerio, T. (2020). *Statistics for evidence-based practice in nursing*.

Jones & Bartlett Publishers.

Streiner, D. L. (2017). Statistics in Public Health. *Oxford Bibliographies Online Datasets*.

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