

Utilizing Health Workforce Training Data for Decision Making

Case Study Day 2 Handout: Basic Data Analysis Guide

Instructions

- Using your case study, identify the necessary analysis to inform the actions that you will take to achieve your mission. Use the details as described in the background, training, mission, and resources as a guide to determine what analysis you need.
- Once you have identified your data analysis needs, use the data set to conduct the following calculations as appropriate (i.e. For each area of analysis, you may only need to conduct one kind of calculation. For some areas of analysis, you may need to conduct multiple types of calculation.)
 - Ratio
 - Compare two numbers in relation to each other (a to b, a per b, a:b)
 - Proportion
 - Compare a subsection of a group to the whole of that group (numerator=subsection of group/denominator=whole group)
 - Percentage
 - Multiple the proportion by 100, expresses the number in relation to the whole
 - Rate
 - Expresses the frequency of a specific event in a certain period of time (remember to multiply by 1000)
 - Mean
 - The average of a set of data
 - Median
 - The middle of a distribution, when numbers are listed in order
- Discuss the trends that you are seeing, and further describe what this analysis means in the context of your case study and how these results will inform the actions you will take to achieve your mission (write notes below and put into Flip Chart):