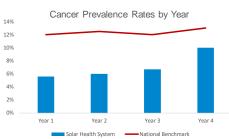


Diagnostic Analysis: Identifying Trends and Anomalies



Trends and Comparisons

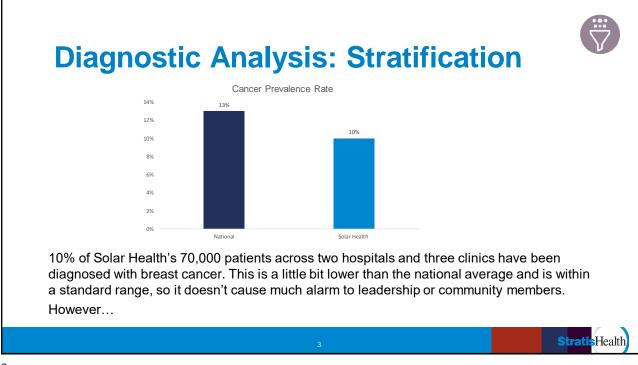
- Cancer prevalence is increasing over time for both national rates and Solar Health rates
- Prevalence at Solar Health is consistently lower than the national rate

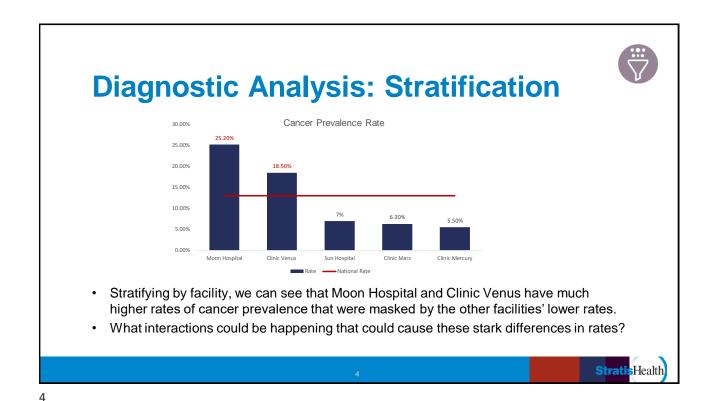
Anomalies

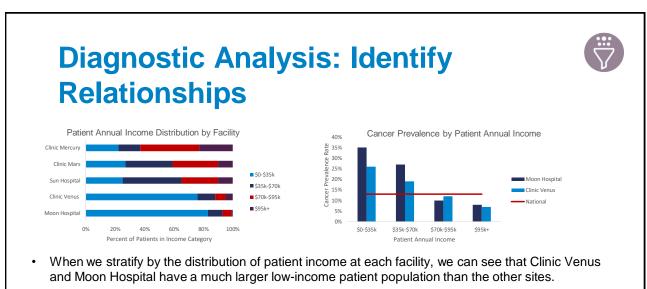
- Cancer rates at Solar Health in Year 4 increased substantially from the previous years

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- By stratifying even further at just Moon Hospital and Clinic Venus, we can see that cancer rates are much higher for low-income patients than the rates for patients with an annual income over \$70k.
- There seems to be a correlated relationship between patient income and cancer prevalence rates.

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Summary

- Summary statistics help us understand the dataset's characteristics, size, and variables. The mean, median, mode, and range give a high-level overview of the data.
- Plot data over time to spot trends, patterns, and anomalies.
- Purposeful stratification compares outcomes across strata to uncover disparities or trends.

Stratis Health is a nonprofit organization that leads collaboration and innovation in health care quality and safety and serves as a trusted expert in facilitating improvement for people and communities.

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