

NHS Wales – Dashboard6 – Population Health

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The **Population Health** page of the NHS Wales dashboard provides a comprehensive overview of the population served, highlighting demographic characteristics, deprivation levels, lifestyle risk factors, comorbidity burden, and vaccination coverage. The page is designed to allow users to filter and analyze the population by key characteristics such as Local Health Board, sex, and socioeconomic deprivation (WIMD quintile), enabling a clear understanding of health needs and potential inequalities across the population. This information is crucial for strategic planning, resource allocation, and population health management.



Description -

1. KPI Cards:

- **Vaccination Uptake:** Displays the percentage of the population who have received the flu vaccine. This serves as a key preventative care metric and provides insight into public health protection levels across Wales.

2. Slicers:

- **WIMD Quintile:** Allows users to filter the data by the Welsh Index of Multiple Deprivation quintiles, highlighting how population characteristics and health outcomes vary by socioeconomic status.
- **Sex:** Enables filtering by gender to explore sex-specific health trends and service utilization.
- **Local Health Board:** Filters the visuals by regional health boards across Wales, allowing for geographic comparisons and local-level insights.

3. Age Band Distribution (Clustered Column Chart):

Displays the number of patients in different age groups, helping to understand the age structure of the population and identify high-demand cohorts, such as children and older adults.

4. Comorbidity Count (Clustered Column Chart):

Shows the distribution of patients according to the number of comorbid conditions. This highlights clinical complexity and helps identify population segments with higher health care needs.

5. **Deprivation (WIMD Quintile) Distribution (Clustered Column Chart):** Illustrates how patients are distributed across socioeconomic deprivation levels, providing insight into potential health inequalities and informing targeted interventions.
6. **Smoking Status (Clustered Column Chart):** Displays the prevalence of smoking among the population, serving as a key lifestyle and risk factor indicator for chronic diseases such as COPD, cardiovascular disease, and cancer.
7. **Sex Distribution (Donut Chart):** Provides a visual representation of gender distribution within the population, supporting demographic analysis and helping identify patterns in service utilization or health outcomes.

The Population Health page combines demographic, socioeconomic, lifestyle, and clinical indicators to provide a holistic view of the population served by NHS Wales. By integrating KPI cards, slicers, and multiple charts, users can quickly assess the distribution of patients by age, sex, deprivation, comorbidities, and health behaviors, as well as measure the uptake of preventive interventions like the flu vaccine.

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