PHS Rshiny Dashboard Project

Emily Noone
Neringa Siugzdinyte
Tom Wightman
Mujtaba Khider

D12-Codeclan

CodeClan

@P_H_S_Official

Public Health
Scotland

Objective:

Create Rshiny Dashboard on PHS data across winter seasons in the acute hospital sector.

- Temporal

- Geographic

- Demographic

- KPI's

Public Health Scotland

- Scotland's lead national agency

- A Scotland where everybody thrives.

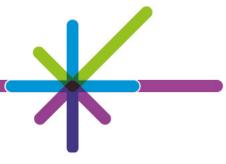- Publications and areas of work

Data, data quality and ethics.

- Four datasets
  - Demographic
  - Deprivation
  - A&E activity and waiting times
  - Bed occupancy and specialties

- Quality

- Ethics Bias

Tools used for the project:

- Zoom and Slack

- Trello

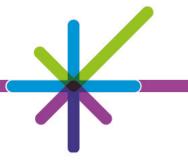- Git/GitHub

- RStudio

Our dashboard…

Result

- Deprivation: level 1 had the highest number of stays

- Age and gender : Males 70-79 were drivers.

- A & E: Waiting times increased overall

- Bed occupancy: Declined during lockdowns.

Future effects of the pandemic

- •Major backlog due to cancellations and delays

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  •Increase in the number of admissions

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  •Increase in overall waiting times