

# An initial overview: Intensity and dynamics of the top 1% and 5% highest users of primary care resources

## Context and background

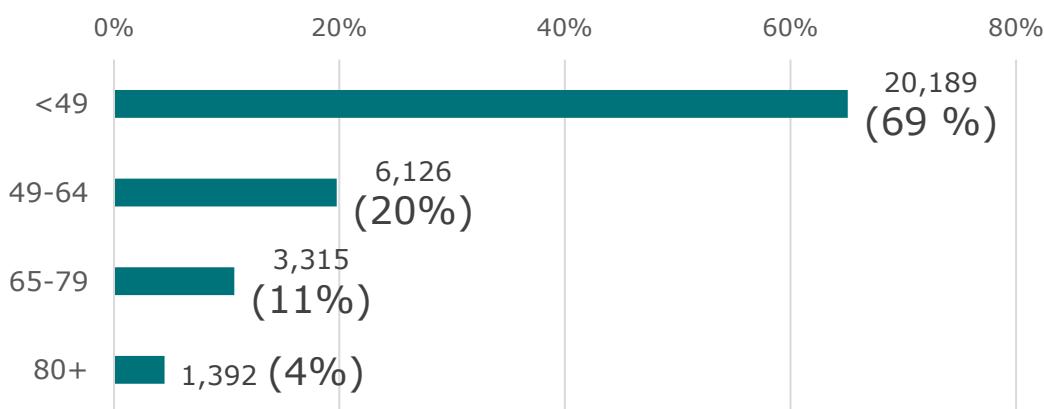
**31,000**

registered patients

**49/51**

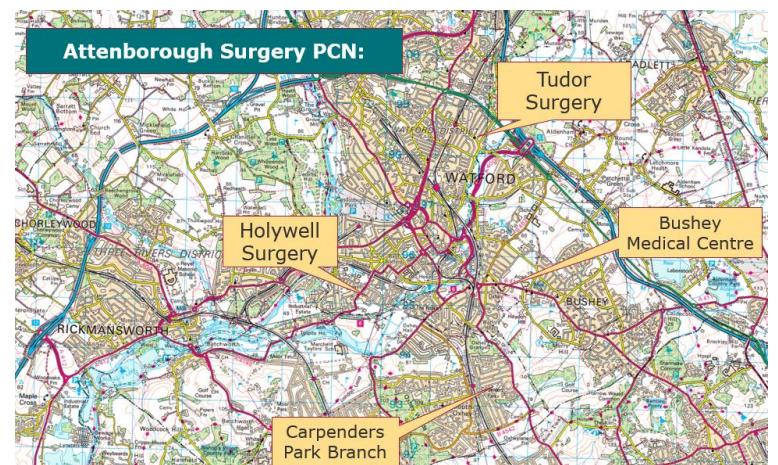
%male/%female

Age group breakdown, number of patients (% in brackets)



Attenborough PCN is based in Watford, Hertfordshire

85% of registered patients are <65 years of age. The median age is 39 years



## Patients who made contact with the PCN (March 2019 – March 2020)

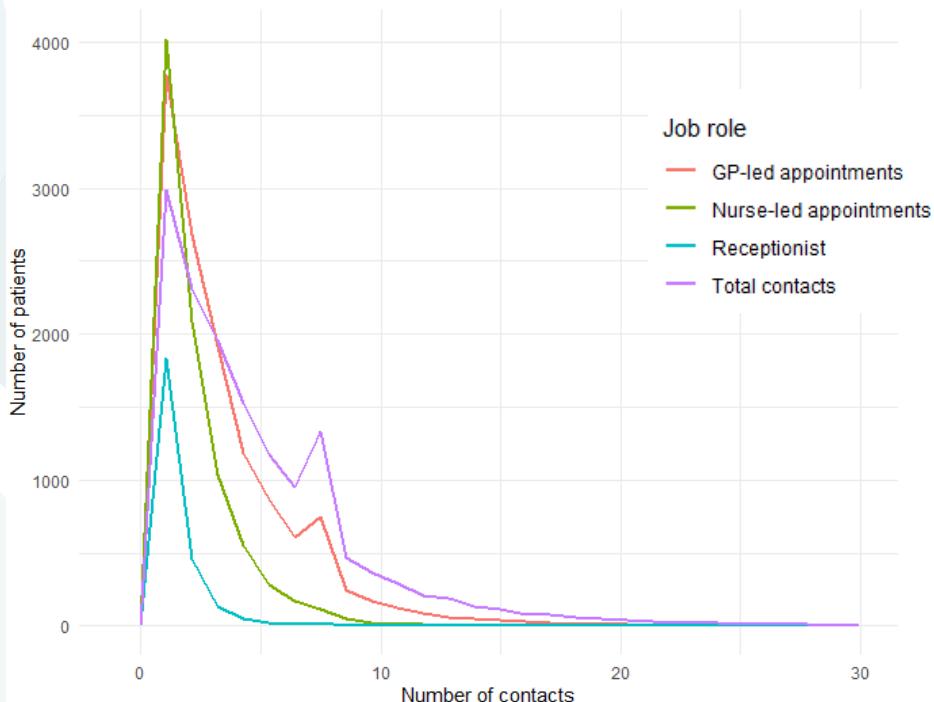
**14,500**

Patients had an appt.

**72,000**

Contacts with the PCN

Contact made with the PCN by job role

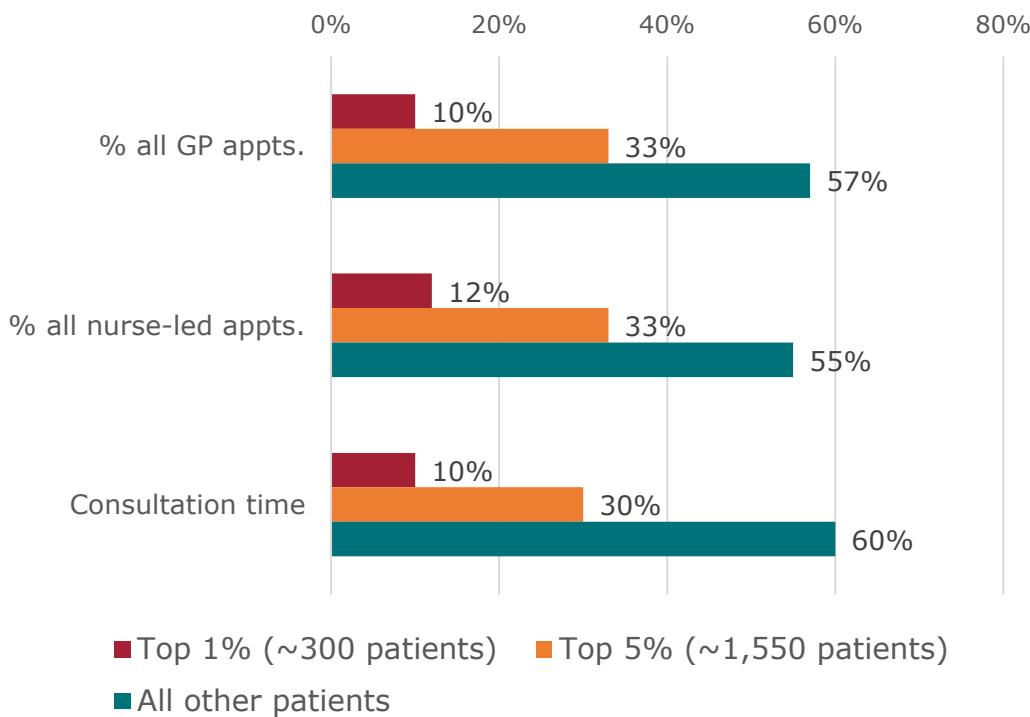


In the 1-year period patients had an average of ~5 contact points with the PCN. This is a **20% increase** compared to the period March 2018 – March 2019

62% of all contacts are GP-led appointments and 26% are nurse-led and the remaining 11% is split between receptionist calls, appointments with the GP registrar and healthcare assistants

## The 1% and 5% of patients who consume the most number of appointments (March 2019 – March 2020)

% total activity used by the top 1% and 5%



- ◆ 1% population who consume the most appointments, consume at least 10% of all GP and nurse-led appointments. These convert to an average of 14 GP-led and 7 nurse-led appointments
- ◆ Conversely, the 5% consume 33% of all GP and nurse-led appointments which equate to 9 GP-led and 4 nurse-led appointments

## The demographics of the top 1% and 5% of primary care utilisers (March 2019 – March 2020)

**59** years

Median age (Top 1%)

**40** years

Median age (All other)

**7<sup>th</sup>** decile

Median IMD\* (Top 1%)

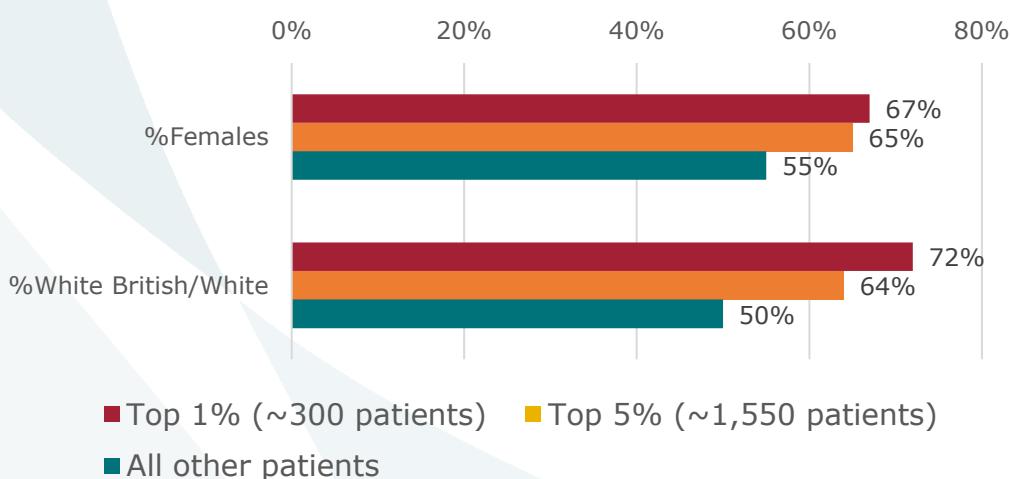
**7<sup>th</sup>** decile

Median IMD\* (All other)

- ◆ The top 1% and 5% are generally associated with a higher median age compared to all others. There was no difference in the levels of deprivation\*

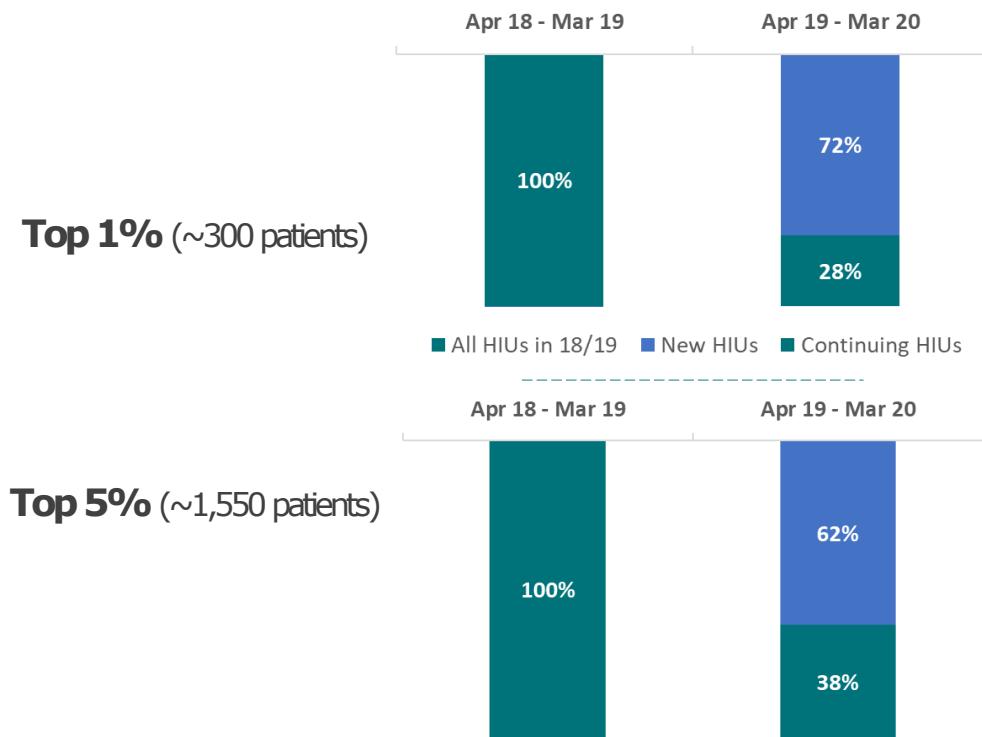
- ◆ The group is also characterised by a higher proportion of females (67% of the top 1% are women) and percentage of patients with White British or White ethnic background  
\*lower deciles indicate higher levels of deprivation

Gender and ethnicity split, %



## Dynamics of the top 1% and 5% of primary care utilisers (April 2018 – March 2019 compared to April 2019 – March 2020)

Turnover of top 1% and 5% for GP-led appointments



- ✦ The 1% and 5% of population who consume the most number of GP-led appointments are highly transient (60%+ turnover per annum)
- ✦ They have a significantly higher number of long-term conditions, different disease profiles and over-representation of heart-related disease and depression

### Disease profile

Top 1% (~300 patients)

**1.5**

**31%**

**43%**

Avg. number of LTCs

%heart related conditions

%diag. with depression

All other patients

**0.6**

**16%**

**14%**

Avg. number of LTCs

%heart related conditions

%diag. with depression

## The consumption patterns of the 1% and 5% with respect to secondary and unscheduled care (Mar 2019 – Mar 2020)

**7.0**

**1.8**

Avg. number of visits to hospital (Top 1%)

Avg. number of visits to hospital (All other)

The 1% and 5% of highest utilisers of primary care resources have a sizeable amount of visits to secondary care and out-of-hours care providers (hospitals, clinics, urgent care centres and out-of-hours centres)

**0.6**

**0.1**

Avg. number of out-of-hours visits (Top 1%)

Avg. number of out-of-hours visits (All other)

## About this overview

This overview was produced by:

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For information about HN's AI and predictive modelling services, insights, reports and analysis, please contact [Adria Haimann](#).

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We provide practical applications of population health management, going beyond just identifying high-cost, high-need patients and actually intervening to support them to improve their health outcomes and reduce their care consumption.

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