Analysis of hospital admissions for self-harm

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Co	nte	nts

Scene setting: Self-harm in Kent

Demographic profile

Seasonal variation

Service usage

- Reducing self-harm amongst children & young people in Kent is a key objective for public health in Kent
- SKSCB have identified a need to undertake a thematic review of teenage suicide
- To assist in this work, a need has been identified for a deeper understanding of children and young people hospitalised as a result of self-harm...(identified as a pre-cursor to suicide)
- The Kent Public Health Observatory (KPHO) have access to data on hospital admissions for self-harm via the following sources:
 - Hospital episode statistics (HES), containing detailed information on hospital admissions across England as well as locally
 - The Kent Integrated Dataset (KID), providing a link between local hospital admission data and usage of other health and social care services
- This analysis provides insight into the profile of children & young people admitted to hospital for self harm and their usage of other care services, both before and after the self-harm incident

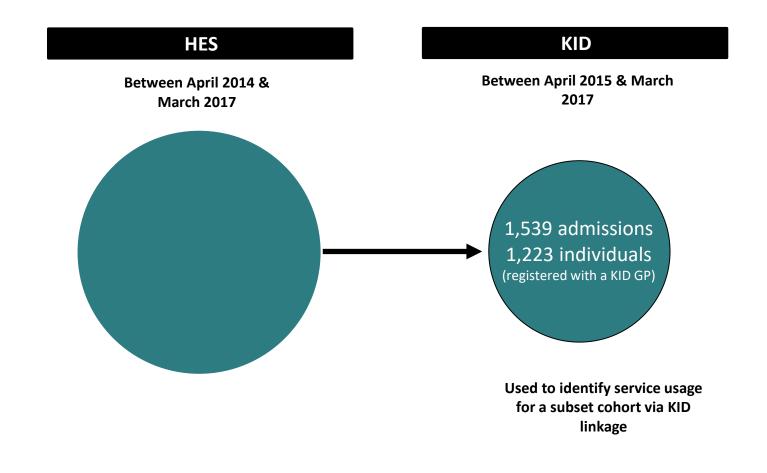


Methodology: Defining self-harm

- This analysis focusses on hospital admissions where one (or more) of the following ICD10 diagnosis codes have been used:
 - X60-68: Intentional self-poisoning by and exposure to:
 - nonopioid analgesics, antipyretics and antirheumatics
 - antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified
 - narcotics and psychodysleptics [hallucinogens], not elsewhere classified
 - other drugs acting on the autonomic nervous system
 - other and unspecified drugs, medicaments and biological substances
 - Alcohol
 - organic solvents and halogenated hydrocarbons and their vapours
 - other gases and vapours
 - pesticides
 - X70-X84: Intentional self-harm by:
 - Hanging, strangulation and suffocation
 - Drowning and submersion
 - Handgun discharge
 - rifle, shotgun and larger firearm discharge
 - other and unspecified firearm discharge
 - Explosive material
 - Smoke, fire and flames
 - Steam, hot vapours and hot objects
 - Sharp object
 - Blunt object
 - Jumping from a high place
 - Jumping or lying before moving object
 - Crashing of motor vehicle
 - by other specified means
 - By unspecified means



Methodology: Analysis groups





Scene setting: Self-harm in Kent

Demographic profile

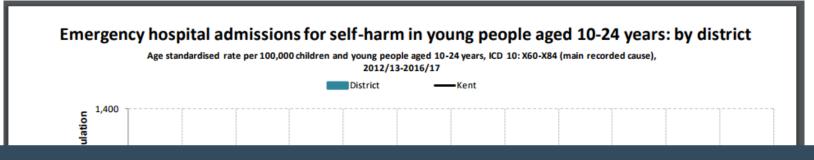
Seasonal variations

Service usage

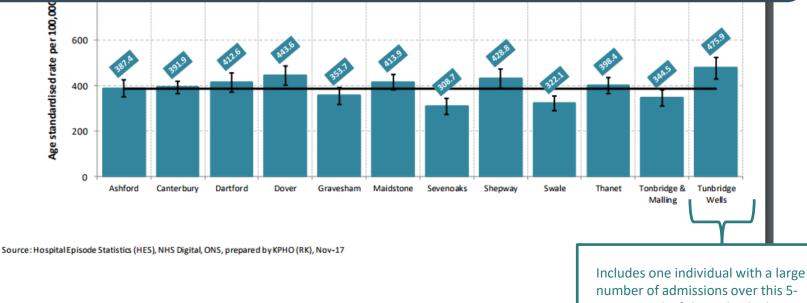
KENT PUBLIC HEALTH



KENT PUBLIC HEALTH



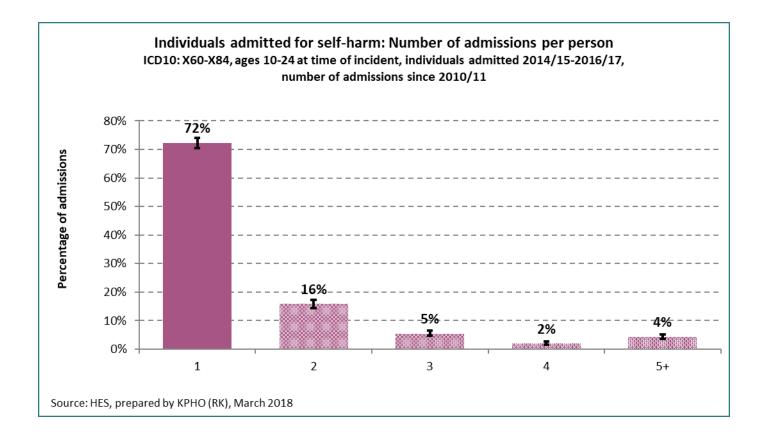
There are variations across the County, with standardised admissions rates higher than the Kent average in Dover and Tunbridge Wells



number of admissions over this 5year period. If this individual is removed from the analysis the ASR reduces to 419.3 per 100,000

Starting Well: Children in Kent (Districts)

Analysis of hospital admissions for self-harm



28% of the individuals admitted to hospital for self-harm between April 2014 and March 2017 had been admitted on more than one occasion since April 2010



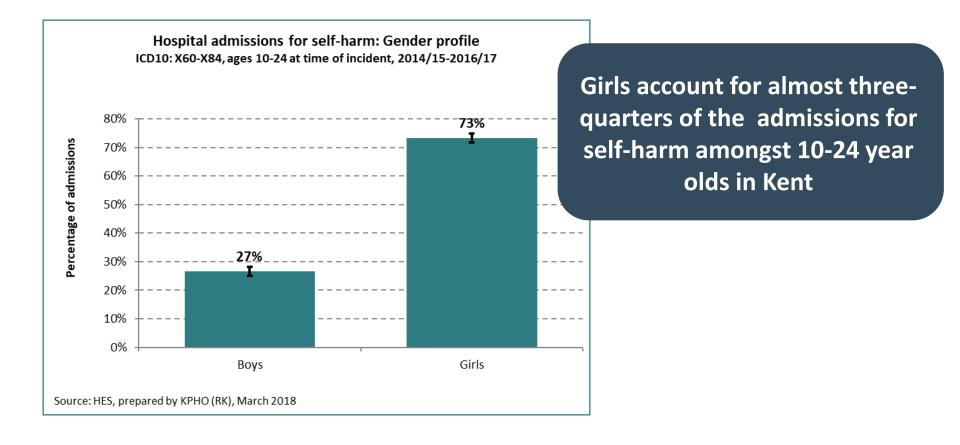
Scene setting: Self-harm in Kent

Demographic profile

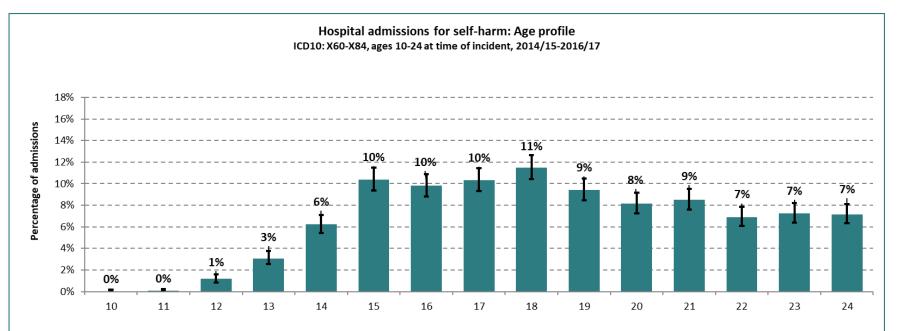
Seasonal variation

Service usage

Gender



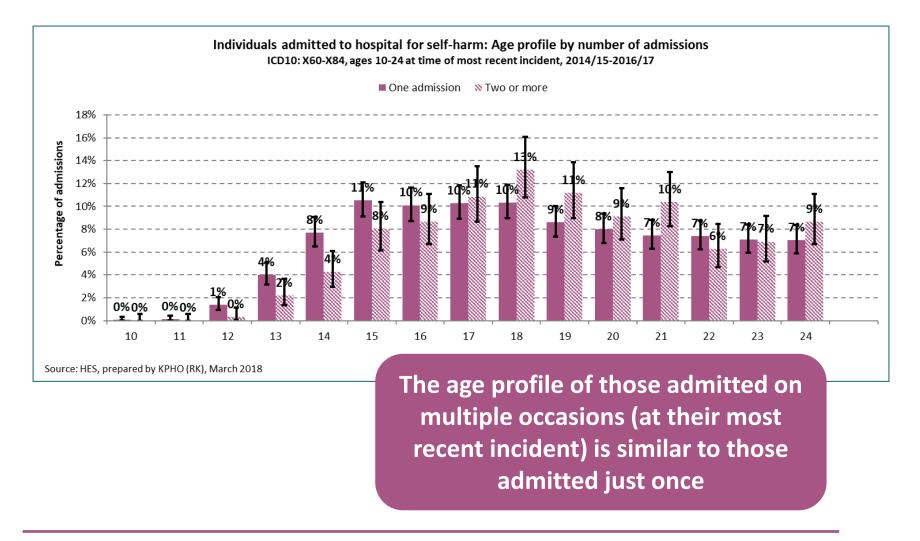
Age distribution

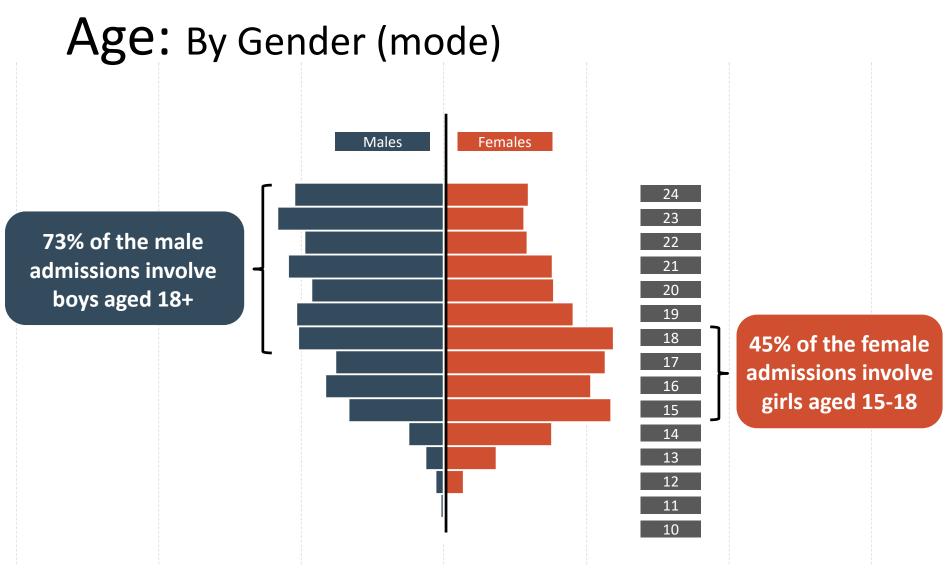


Source: HES, prepared by KPHO (RK), March 2018

Around half of these admissions involve young people aged between 14 and 18

Age: By number of admissions

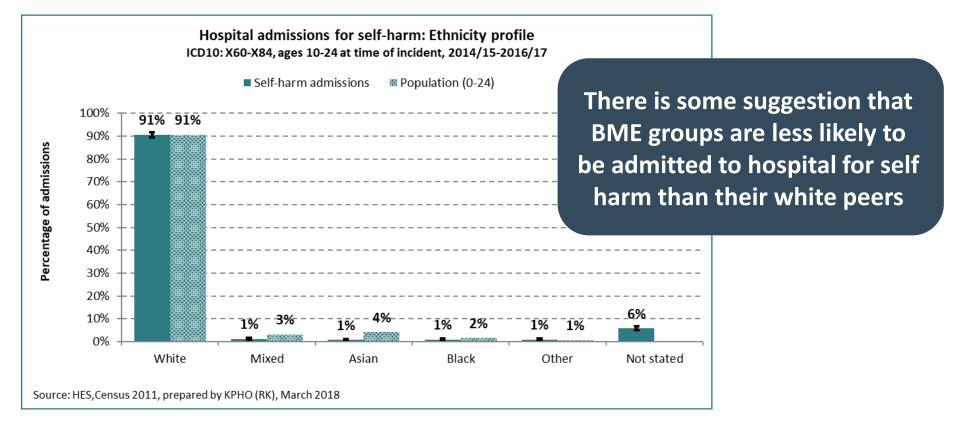




Source: HES, prepared by KPHO (RK)

Analysis of hospital admissions for self-harm

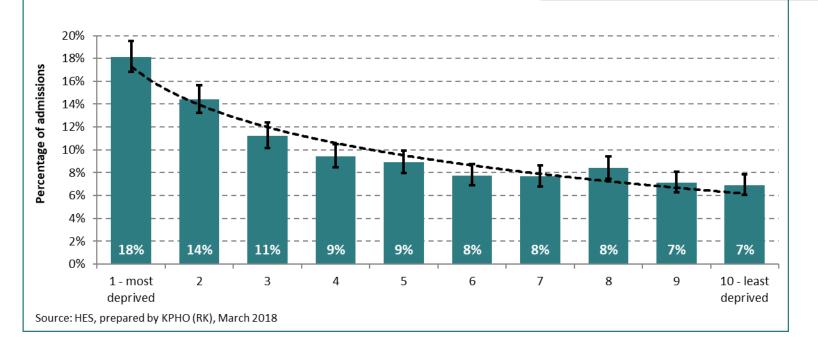
Ethnicity



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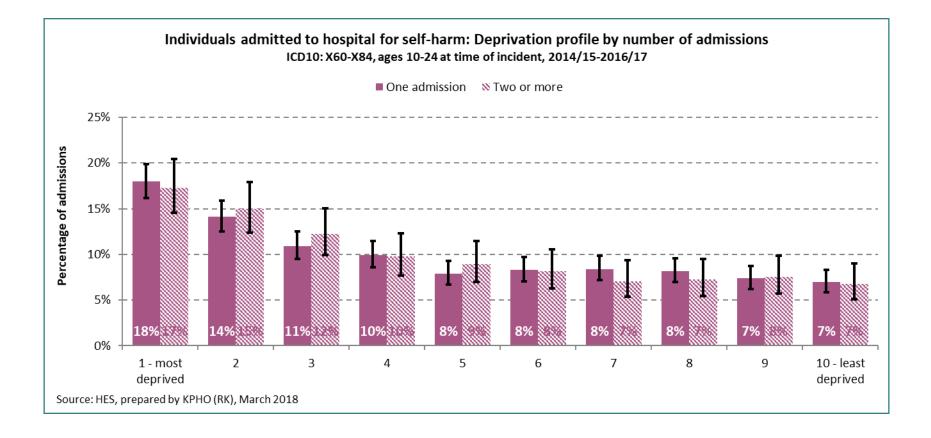
Deprivation

A third of the admissions for self-harm involve children & young people living in the 20% most deprived areas



Hospital admissions for self-harm: Deprivation profile ICD10: X60-X84, ages 10-24 at time of incident, 2014/15-2016/17

Deprivation: By number of admissions





Scene setting: Self-harm in Kent

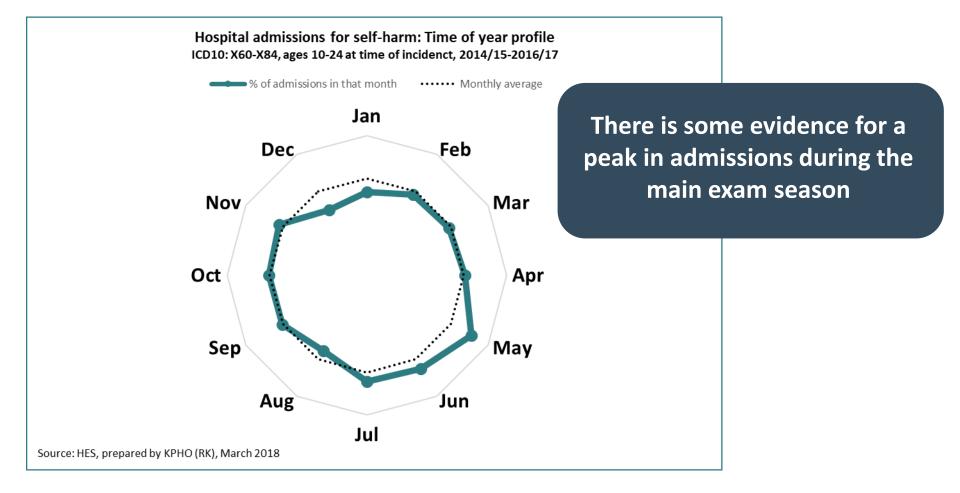
Demographic profile

Seasonal variation

Service usage



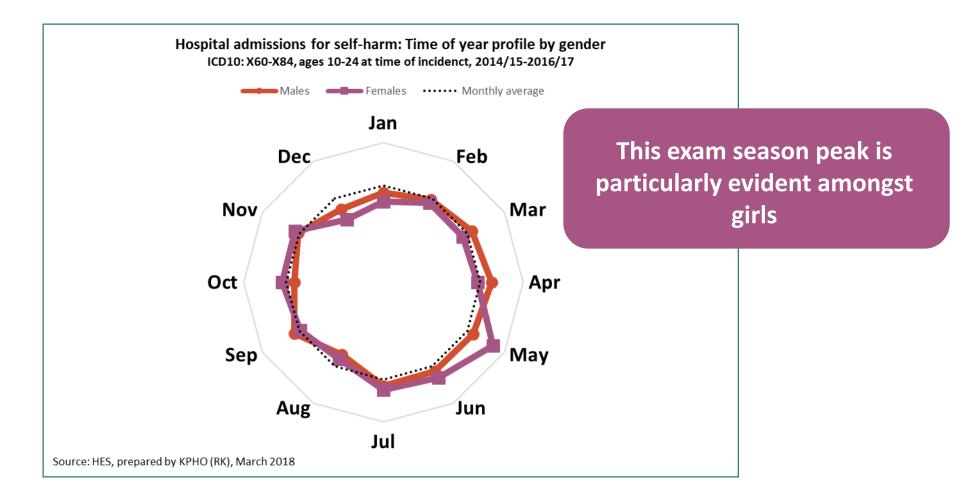
Seasonal variation



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Seasonal variation



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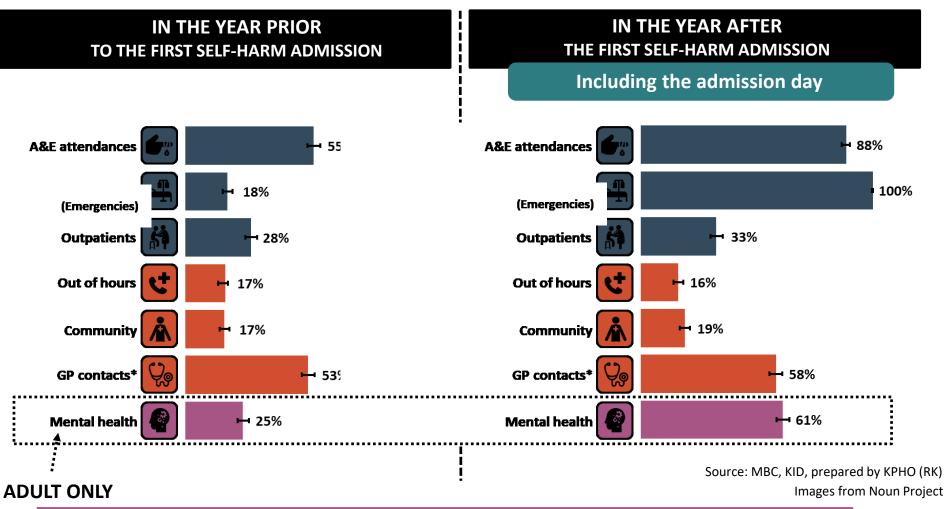
Service usage

Service usage: Methodological notes

- Solution of the second arrows of the second arro
- ♂ KID covers activity from April 2014
- This analysis focusses on 10-24 year olds admitted for self-harm in 2015/16 or 2016/17, but <u>NOT</u> in 2014/15
 - This then allows before-and-after analysis of service usage for a cohort of children & young people admitted to hospital for self-harm

Service usage

DEVELOPMENTAL STATISTICS



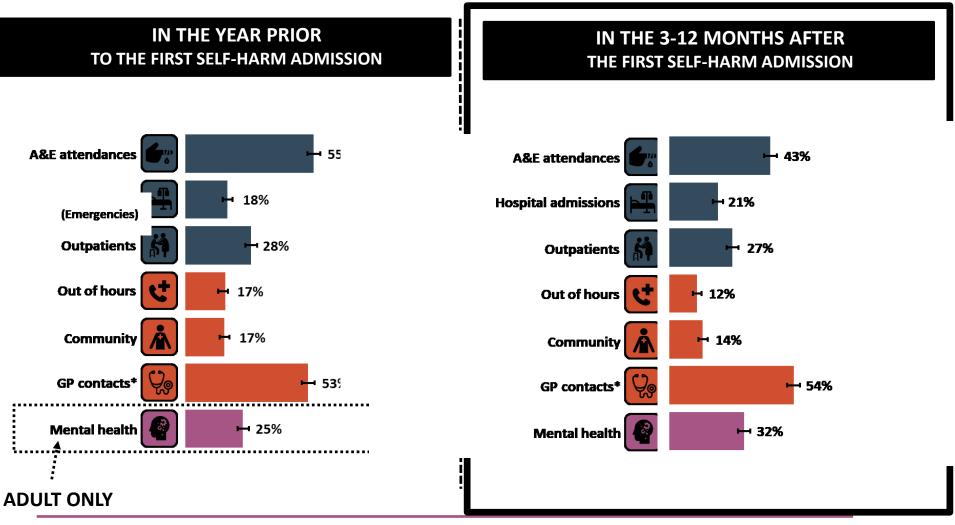
Analysis of hospital admissions for self-harm

*includes telephone consultations

Analysis restricted to individuals registered with a GP flowing data to the KID

Service usage

DEVELOPMENTAL STATISTICS



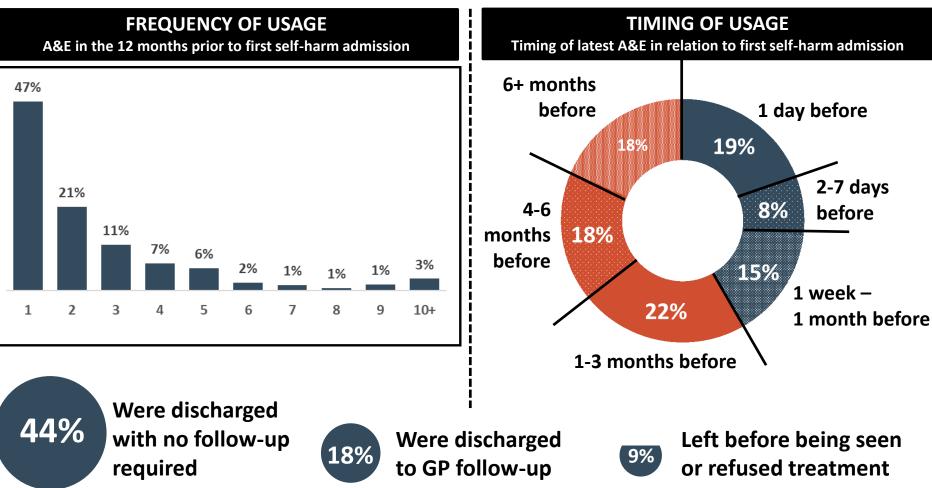
Analysis of hospital admissions for self-harm

*includes telephone consultations

Analysis restricted to individuals registered with a GP flowing data to the KID

Service usage: Prior usage of A&E





Analysis of hospital admissions for self-harm

Source: MBC, KID, prepared by KPHO (RK) Analysis restricted to individuals registered with a GP flowing data to the KID

Key issues_1

- Around 50% people aged 10-24 who are admitted for self-harm are aged between 14 and 18 (adults only)
- The multiple admission ratio among self harm admissions is around 1.3 this equates to around 300 persons being admitted more than once over the study period
- Females account for almost three-quarters of the admissions for self-harm amongst 10-24 year olds in Kent
- Females are more likely to be admitted at a younger age when compared to males
- A third of admissions for self-harm involve children & young people living in the 20% most deprived areas in Kent
- There is some evidence for peak in admissions during the main exam season

Key issues_2

- Around 25% of persons were already known to MH services prior to admission for self harm.
- This increases to around 60% in the 12 months following admission (including day of admission)
- However, in the 3-12 months following admission contact with MH services 'normalises' to around 30%
- Around a quarter (23%) of persons had been seen in A&E in the month before admission for self harm