

## **Collation of Hospital Transmission Data from HPZone**

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### **Data requested**

Number of beds:	Number potentially at risk
Time period of interest:	Outbreak start date – date closed
Estimated number of bed days:	Period of interest x Number of beds
Type of patient in wards:	*Type of ward affected
Number of staff:	*Number of staff
Number of confirmed cases (Patients):	*Confirmed cases
Number of confirmed cases (Staff):	*HCW confirmed
Number of confirmed cases (other e.g. visitors):	*Other linked confirmed cases
Number unwell staff (not tested):	*HCW suspected
Number of patient deaths:	*Deaths
Number of staff deaths:	*HCW deaths
Number of deaths among others (e.g. visitors):	*Other linked deaths

*\*Suggested collection of new data*

Admission and onset date for each case would be difficult to collect via HPZone dashboard.

### **Options for the collection of new data**

#### **1) Suggested template for HPZone Situation Details**

##### Details:

Confirmed cases: XXX; Suspected cases: XXX; Deaths: XXX

##### If Hospital context:

Type of ward affected: XXXXXXXX; Number of staff: XXX; HCW confirmed: XXX; HCW suspected: XXX; HCW deaths: XXX; Evidence of nosocomial transmission: Y/N

##### If Care home/Custodial context:

Staff confirmed: XXX; Staff suspected XXX

##### Additional detail requested (low priority)

Other linked confirmed cases: XXX; Other linked deaths: XXX

#### **2) Separate data collection tool**

The information could be collected in a data collection tool outside of HPZone, for example, SelectSurvey, when a hospital outbreak/situations has been identified.

### **Other data collation issues**

Several situations were recorded as 'Exposures' on HPZone but some were more accurately described as outbreaks. It would not be feasible to assess each situation individually. Potential to add to the data entry guide to suggest updating exposures or issues to outbreaks when the situation changes.

## **Current data process followed**

Identified any situation with a Hospital or Workplace context on HPZone Dashboard  
Agent-COVID-19;  
Date entered-2020;  
HPT locations (ex Cfl)

Data extracted 05/04/2020, data up to the end of 04/04/2020

N=128

Excluded

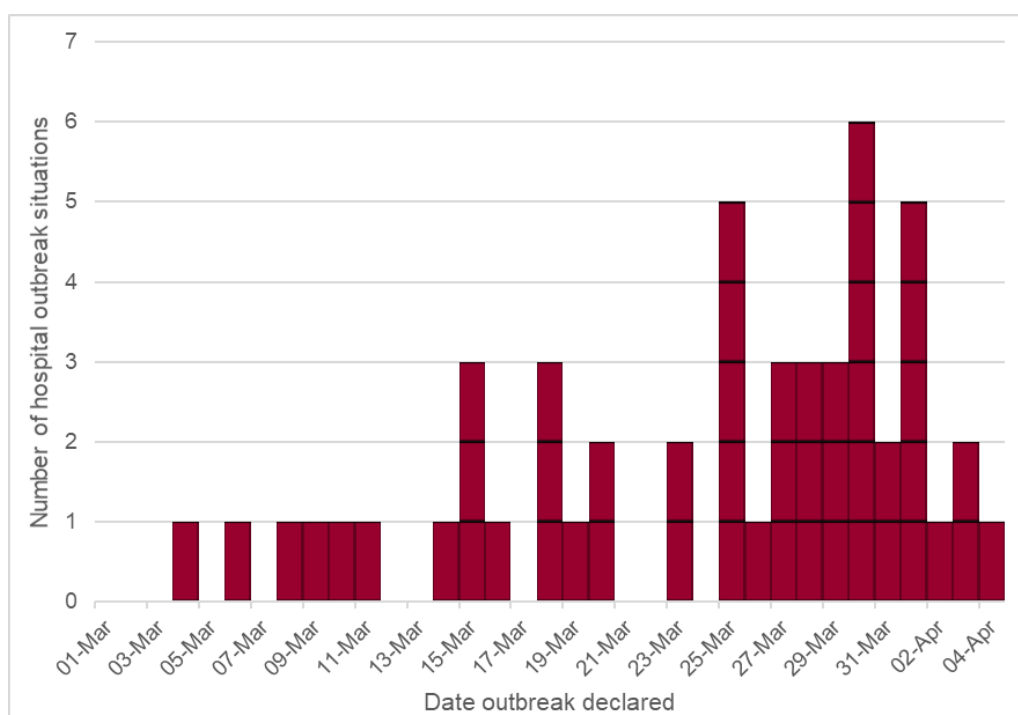
any incorrectly linked to the Hospital Context	(Excluded = 21)
any with no cases attached	(Excluded = 14)
any with only 1 confirmed case	(Excluded = 28)
any duplicates	(Excluded = 1)

N=56

Further exclusions could be applied if requested: Situations with only suspected cases could be removed (N = 8).

The information presented below is for all included situations (N=56)

**Epidemiological curve showing hospital outbreak situations in England recorded on HPZone with COVID-19 as the causative agent, by date outbreak declared\***



*\*5 situations did not have a date the outbreak was declared*

21 situations (38%) had metrics recorded for number potentially at risk, resulting in a total of 917 potentially at risk.

Only 11 situations could be used to estimate the number of bed days affected, resulting in a total of 2766 bed days.

Deaths, staff numbers, staff affected and ward type were difficult to extract.

Number of hospital outbreak situations reported in England recorded on HPZone with COVID-19 as the causative agent by PHEC, also showing the number of situations that were laboratory confirmed, contained Health Care Workers and where nosocomial transmission was indicated. The number of confirmed cases within the situation is also reported.

PHEC	Situations				Cases
	N	Laboratory confirmed	Containing Health Care Worker(s)	Nosocomial transmission indicated <sup>#</sup>	Number of confirmed cases <sup>*</sup>
North East	0	0	0	0	0
Yorkshire and Humber	10	10	2	1	48
North West	1	1	0	1	5
East Midlands	3	2	0	2	12
West Midlands	15	13	1	4	82
East of England	1	1	0	0	9
South East	6	5	0	2	16
London	16	12	2	9	43
South West	4	4	0	0	11
<b>England</b>	<b>56</b>	<b>48</b>	<b>5</b>	<b>19</b>	<b>226</b>

<sup>#</sup> Information not readily available, likely to be an underestimate

<sup>\*</sup>1 situation had an unknown number of confirmed cases

Number of hospital outbreak situations reported in England recorded on HPZone with COVID-19 as the causative agent by ward type, also showing the number of situations where nosocomial transmission was indicated.

Ward Type	Situations		
	N	%	Nosocomial transmission indicated
Psychiatric/dementia	22	39	4
Unknown	19	34	6
Rehabilitation	4	7	2
Critical care/ITU	4	7	4
Renal	2	4	1
Respiratory	1	2	1
Cardiac	1	2	0
Elderly	1	2	0
ED/AMU	1	2	0
Cancer	1	2	1
<b>All types</b>	<b>56</b>	<b>100</b>	<b>19</b>