UK Health Security Agency

Carbapenemase-producing Enterobacterales/organisms point prevalence survey

Data capture system training
31 March 2022

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CPE PPS

Aim

To generate an estimate of the prevalence of CPE/O infections and colonisations among patients in intensive care units in England.

Rationale

Epidemiology of CPE/O in England is not well understood; small but increasing number of CPE/O outbreaks; ICU patients receive multiple courses of antibiotics and are highly vulnerable to infection.

Study population

Patients of any age in critical care in England, in ICUs which provide

- Levels 2 and 3 care for adults
- Level 3 care for paediatrics
- High dependency units (HDUs) and critical care for neonates

Demonstration videos

The following videos are available on the ICU DCS help page:

1. Registering on the DCS
2. Logging in to the DCS
3. Trust-level data capture
4. ICU-level data capture
5. Patient-level data capture
6. Deleting, editing, searching for a case

Patient sampling

Eligibility: any patient on the ICU by 8am on the day the survey takes place

Random number generator

1. https://www.random.org/integer-sets/
2. Assign all potential ICU bed spaces a number 1 to n
3. Generate 20 numbers between 1 and n
4. Enter data for the chosen bed spaces

Patient sampling

Random Integer Set Generator

This form allows you to generate random sets of integers. The randomness comes from atmospheric noise, which for many purposes is better than the pseudo-random number algorithms typically used in computer programs.

Step 1: The Sets

Generate 1 set(s) with 20 unique random integer(s) in each.

Each integer should have a value between 1 and 58 (both inclusive; limits ±1,000,000,000).

The total number of integers must be no greater than 10,000.

Step 2: Display Options

Each set will be printed on a separate line. You can choose from the following extra options:

- ☐ Number the sets sequentially
- ☐ Use commas to separate the set members
- ☐ Sort the members of each set in ascending order

You can select the order in which the sets are printed:

- ◉ Print the sets in the order they were generated
- ○ Order the sets by the values that occur in them (in this case, you should also consider sorting the members of each set)
- ○ Print the sets in random order

Step 3: Go!

Be patient! It may take a little while to generate your sets...

Get Sets | Reset Form | Switch to Advanced Mode

Note: This generator guarantees the numbers in each set will be unique within each set, but not that the sets themselves are unique amongst each other.

Random Integer Set Generator

You requested 1 set with 20 unique random integers, taken from the [1,58] range. The integers were not sorted.

Here is your set:

6 42 19 52 2 48 47 8 1 25 15 10 18 26 12 36 55 30 57 31

Timestamp: 2022-03-30 14:15:04 UTC

Again! | Go Back

Patient sampling

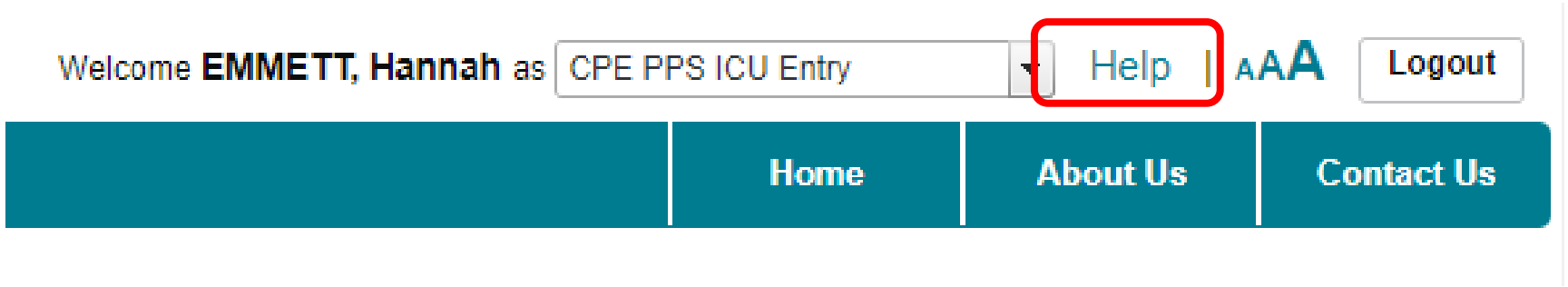
Suggested process:

- Generate list of sampled patients
- Complete patient details 1 and 2 on the day of the survey
- Use the rest of the study period and the two-week data entry period to complete the other tabs

Questions

Data capture troubleshooting:

- Drop-in sessions on Friday 22nd and Friday 29th April for help with data capture
- Email support via cpe.pps@phe.gov.uk
- Video demonstrations
- User guides



Next steps

DCS registration period:

From Thursday 7 April

Survey period:

Tuesday 19 April to Monday 2 May inclusive

Additional data entry period:

Tuesday 3 May to Sunday 15 May inclusive