

ACORN Dashboard Cheat Sheet

Filters

Filters

- example of active filter
- example of inactive filter

- When any filter is changed the metrics and charts will automatically update
- Unlimited multiple filters can be active at once
- Default for all filters is all selected (and displayed)
- Click on filter to activate it (filter icon displayed to left of text)
- Click on active filter to deactivate it (filter icon to left of text not displayed)
- Click Reset Enrolments Filters to clear all filter selections (ALL data displayed)

Enrolment Filters

Surveillance Category

- Lists the 3 surveillance categories
 - Community Acquired Infection
 - Healthcare-associated Infection
 - Hospital Acquired Infection
- Select/deselect as required to be displayed

Type of Ward

- Lists the types of wards in your data
- Click "Select All" to see all types of wards
- Click "Deselect All" to clear selections
- Click on individual ward type name to select/deselect it

Ward Name

- Lists the names of the wards in your data
- Click "Select All" to see all types of wards
- Click "Deselect All" to clear selections
- Click on individual ward name to select/deselect it

Date of Enrolment/Survey

- Click date to choose date from calendar
- Choose start date (left) and end date (right) to be displayed

Age Category

ENROLMENTS

Surveillance Category Type of Ward Ward Name Date of Enrolment/Survey **Age Category** Initial Diagnosis Final Diagnosis

Clinical Severity uCCI Clinical/D28 Outcome Transfer

☐ Adult ☐ Child ☐ Neonate

- Lists the age categories in your data
- Select/deselect as required to be displayed

Initial Diagnosis

ENROLMENTS

Surveillance Category Type of Ward Ward Name Date of Enrolment/Survey Age Category **Initial Diagnosis** Final Diagnosis

Clinical Severity uCCI Clinical/D28 Outcome Transfer

All Initial Diagnosis

Select All	Deselect All
Bone / Joint	✓
Cardiovascular system	✓
Central nervous system	✓
ENT / Upper respiratory tract	✓
Eye	✓
Febrile neutropenia	✓
Gastrointestinal	✓
Genital	✓
Intra-abdominal	✓
Lower respiratory tract	✓
Necrotising enterocolitis	✓
Other (diagnosis documented)	✓
Pneumonia	✓
Sepsis (source unclear)	✓
Skin / Soft tissue	✓
Surgical site	✓
Unknown (not documented)	✓
Urinary tract	✓

- Lists the Initial Diagnoses in your data
- Click “Select All” to see all of the Initial Diagnoses
- Click “Deselect All” to clear selections
- Click on individual Initial Diagnosis to select/deselect it

Final Diagnosis

ENROLMENTS

Surveillance Category Type of Ward Ward Name Date of Enrolment/Survey Age Category Initial Diagnosis **Final Diagnosis**

Clinical Severity uCCI Clinical/D28 Outcome Transfer

Select All	Deselect All
Bone / Joint	✓
Cardiovascular system	✓
Central nervous system	✓
ENT / Upper respiratory tract	✓
Eye	✓
Febrile neutropenia	✓
Gastrointestinal	✓
Genital	✓
Infection rejected (alternative diagnosis made)	✓
Intra-abdominal	✓
Lower respiratory tract	✓
MELIoid	✓
Necrotising enterocolitis	✓
Other (diagnosis documented)	✓
Pneumonia	✓
Skin / Soft tissue	✓
Surgical site	✓
Typhoid	✓
Undefined (infection treated but no site / source of identified)	✓
Unknown diagnosis	✓
Urinary tract	✓

- Lists the Final Diagnoses in your data
- Click “Select All” to see all of the Final Diagnoses
- Click “Deselect All” to clear selections
- Click on individual Final Diagnosis to select/deselect it

Clinical Severity

ENROLMENTS

Surveillance Category Type of Ward Ward Name Date of Enrolment/Survey Age Category Initial Diagnosis Final Diagnosis

Clinical Severity uCCI Clinical/D28 Outcome Transfer

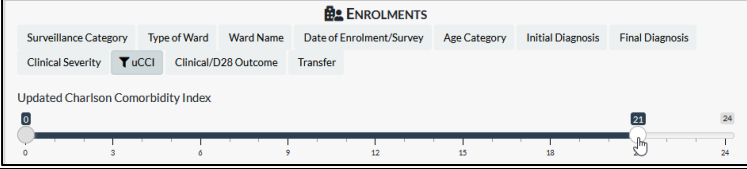
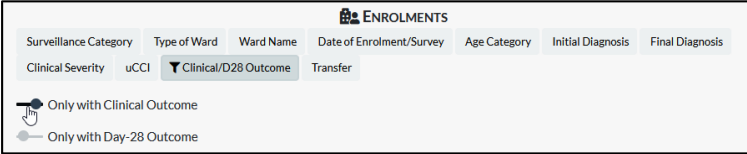
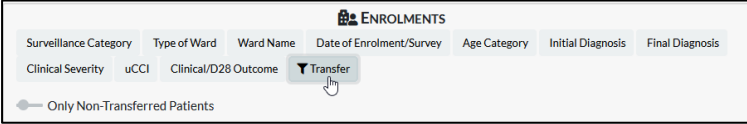
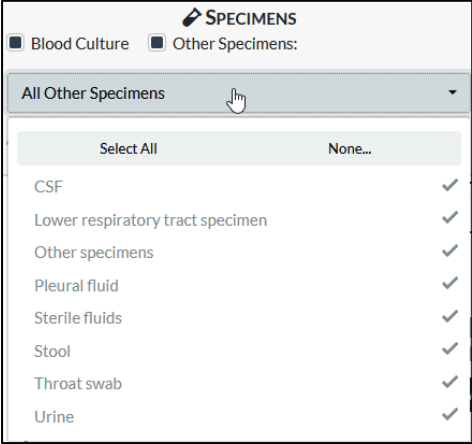
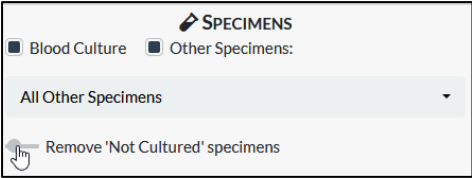
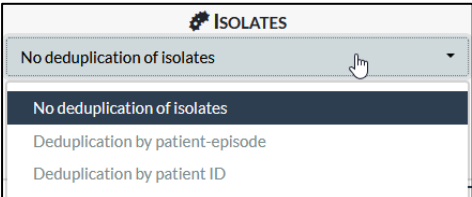
Adult qSOFA score

0 1 2 3

● Include Child/Neonate with 0 severity criteria

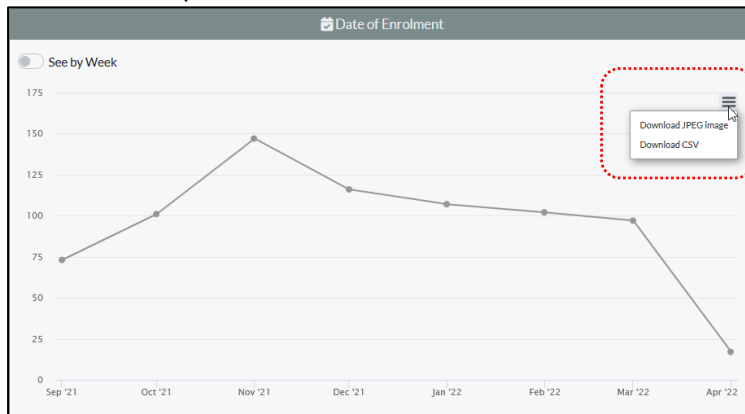
● Include Child/Neonate with ≥ 1 severity criteria

- Drag slider scale to adjust the range of adult qSOFA score that is displayed
- Click the toggle to turn on/off the display of data where a Child/Neonate has a 0 severity score

	<ul style="list-style-type: none"> Click the toggle to turn on/off the display of data where a Child/Neonate has a ≥ 1 severity score
<p>Updated Charlson Comorbidity Index</p> 	<ul style="list-style-type: none"> Drag slider scale to adjust the range of the Updated Charlson Comorbidity Index that is displayed
<p>Clinical/D28 Outcome</p> 	<ul style="list-style-type: none"> Displays your data that contains clinical outcome and/or day 28 outcome data Click the toggle to turn on/off the display of data with only clinical outcome date and/or only day 28 outcome data
<p>Transfer</p> 	<ul style="list-style-type: none"> Click the toggle to turn on/off the display of only non-transferred patients
<p>Specimens Filters</p>	
<p>Specimen Type</p> 	<ul style="list-style-type: none"> Displays the specimen types in your lab data Can select only Blood Cultures and/or all other specimen types to be displayed using the top 2 buttons Click All Other Specimens to see list of all specimen types in your lab data Click "Select All" to see all of the Specimen types Click "Deselect All" to clear selections Click on individual specimen type to select/deselect it
<p>Not Cultured specimens</p> 	<ul style="list-style-type: none"> Click the toggle to turn on/off the display of Not Cultured specimens (e.g. those just processed for microscopy and not sent for culture work up)
<p>Isolates Filters</p>	
<p>Deduplication of Isolates</p> 	<ul style="list-style-type: none"> Select preference of deduplication by patient-episode or by patient ID (see app FAQ for more details)

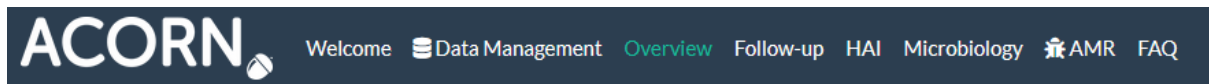
Charts/Graphs

Charts and Graphs

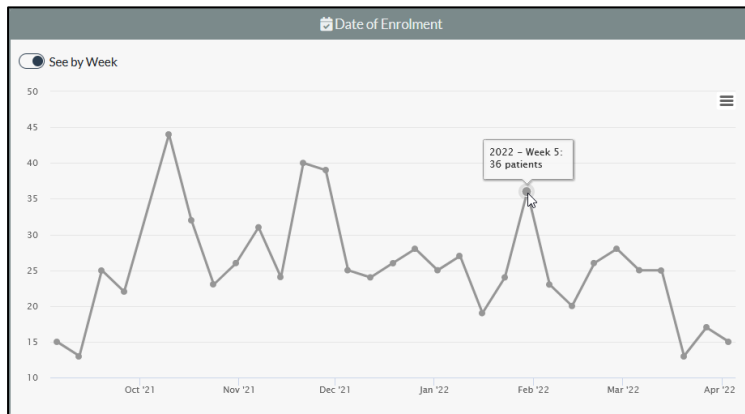


- Will update automatically when a filter is activated/deactivated
- Using the Hamburger Menu on the right the charts and graphs:
 - Can be downloaded as a JPEG image (for inserting into reports, presentations etc)
 - The data can be downloaded as a CSV file for further analysis

Overview Tab



Date of Enrolment



- Displays the number of patients enrolled by month (default)
- Select “See by Week” to display by week
- Hover pointer over data point to display data

Distribution of Enrolments

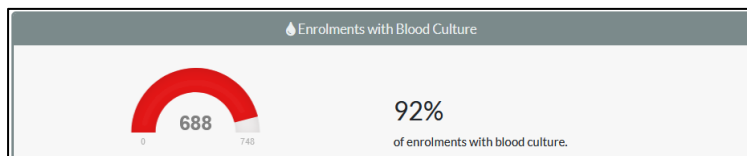
The screenshot shows the 'Distribution of Enrolments' table. At the top, there are checkboxes for 'Place of Infection', 'Type of Ward', 'Ward', 'Clinical Outcome', and 'Day-28 Outcome'. Below these is a search bar. The table has columns for 'Place of Infection', 'Type of Ward', 'Ward', 'Clinical Outcome', 'Day-28 Outcome', 'Enrolments', and 'Proportion'. The data is filtered to show only 'All' for 'Place of Infection' and 'All' for 'Type of Ward'. The 'Ward' column is expanded, showing options like 'IPD1', 'IPD2', 'NICU', 'PICU', and 'SCBU'. The table shows three rows of data for different wards and their corresponding enrolments and proportions.

Place of Infection	Type of Ward	Ward	Clinical Outcome	Day-28 Outcome	Enrolments	Proportion
CAI	Pediatric medical ward	IPD1	Clinical Outcome	Day-28 Outcome	198	25.8%
CAI	Pediatric intensive care unit	PICU	Clinical Outcome	Day-28 Outcome	148	19.3%
HCAI	Pediatric intensive care unit	PICU	Clinical Outcome	Day-28 Outcome	81	10.6%

Showing 1 to 41 of 41 entries

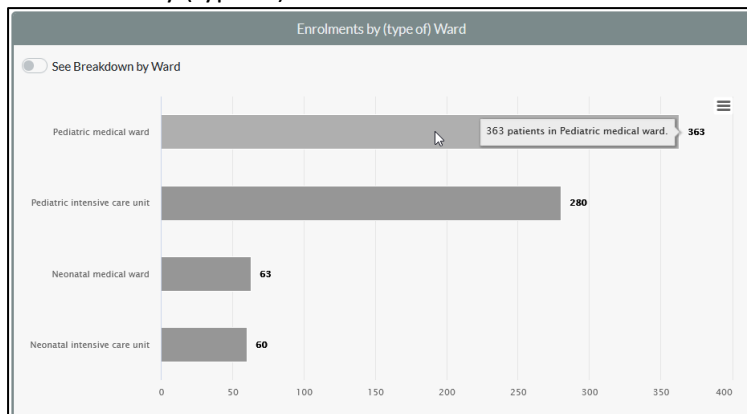
- Displays the distribution of enrolments in your data
- Check/uncheck variables in table to display only the variable/s you wish to be displayed
- Type text in search field to search table
- Click and select options in each variable to filter displayed results
- Click up arrow to sort by ascending; click down arrow to sort by descending
- Use scroll bar on right to see all data displayed

Enrolments with Blood Culture



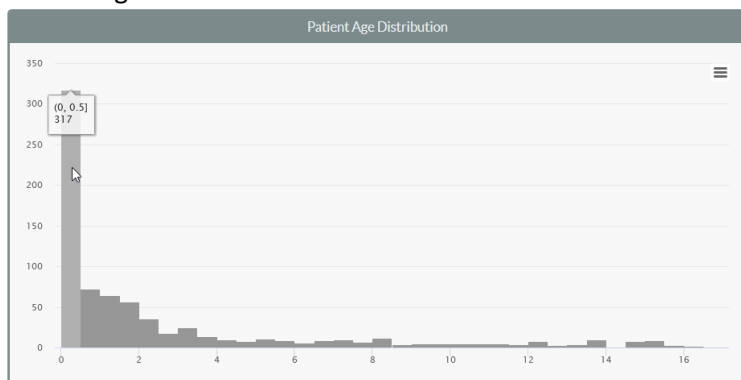
- Displays the number of enrolments with a blood culture based on current filters
- Will change when filters are changed

Enrolments by (type of) Ward



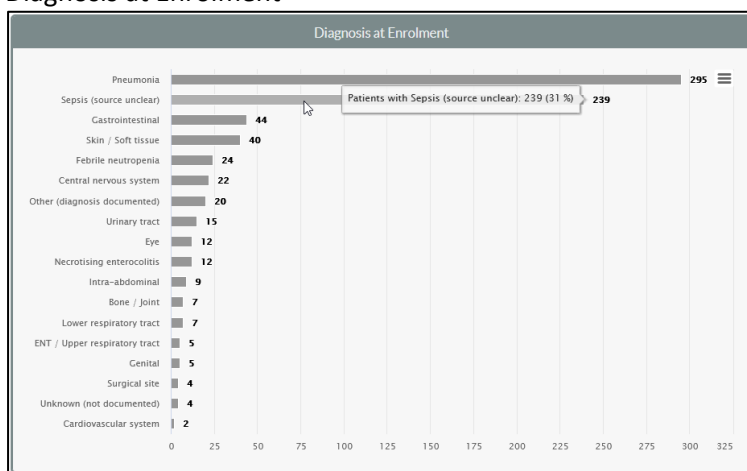
- Displays number of enrolments by type of ward
- Select “See Breakdown by Ward” to display by ward name
- Hover mouse over data bar to see more information

Patient Age Distribution



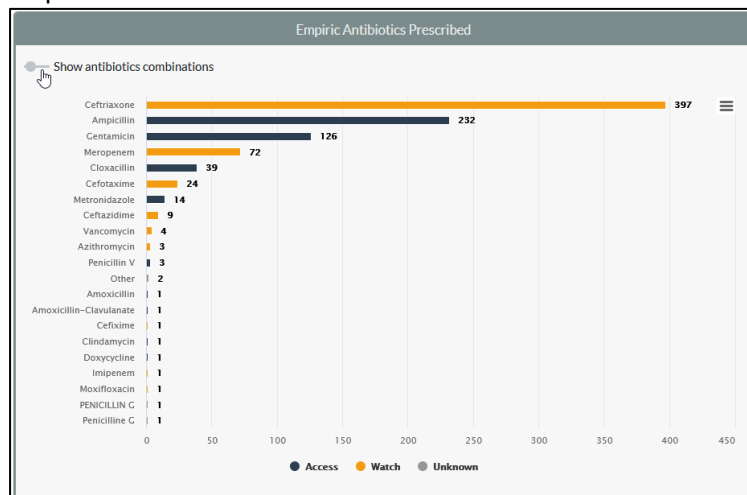
- Displays the patient age distribution based on current filters
- Hover mouse over data bar to see exact age range and value

Diagnosis at Enrolment



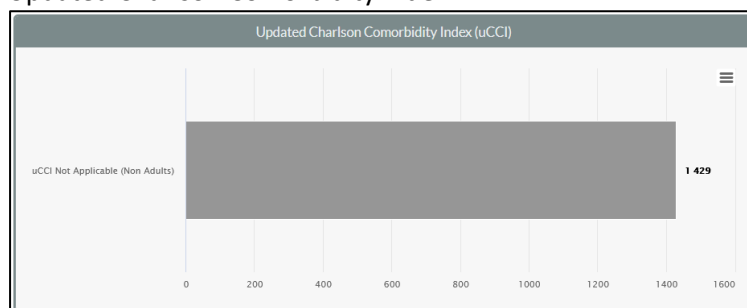
- Displays the diagnosis at enrolment based on current filters
- Hover mouse over data bar to see more information

Empiric Antibiotics Prescribed



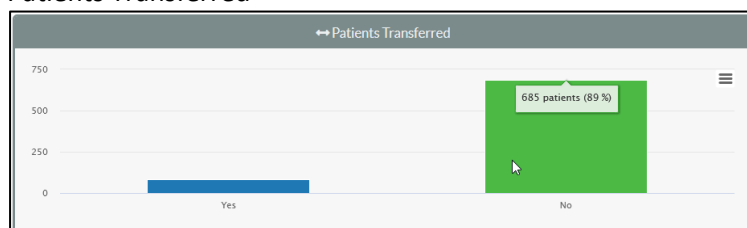
- Displays the empiric antibiotics prescribed based on current filters
- Colour coded based on the 2021 WHO AWaRe classification (<https://www.who.int/publications/i/item/2021-aware-classification>)
- Hover mouse over data bar for more information
- Select “Show antibiotics combinations” to display combinations (i.e. where patients received >1 empiric antibiotic)

Updated Charlson Comorbidity Index



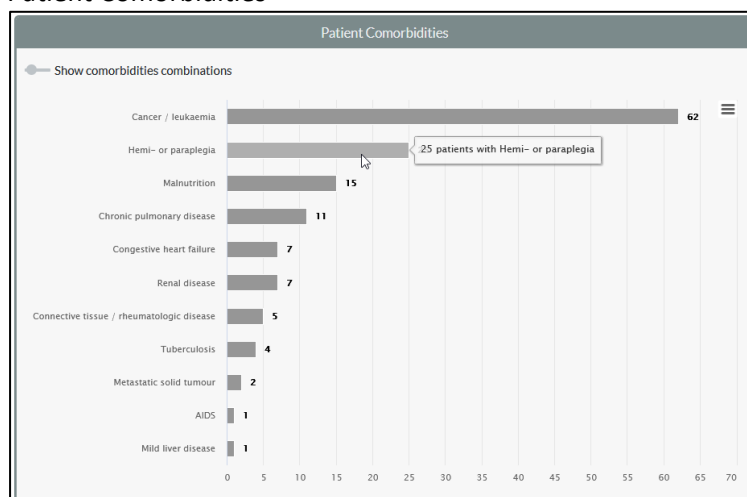
- Displays updated Charlson comorbidity index based on current filters (calculated for adult patients only)
- Hover mouse over data bar for more information
- Not a good example as all kids – tried NP001 data too - same

Patients Transferred

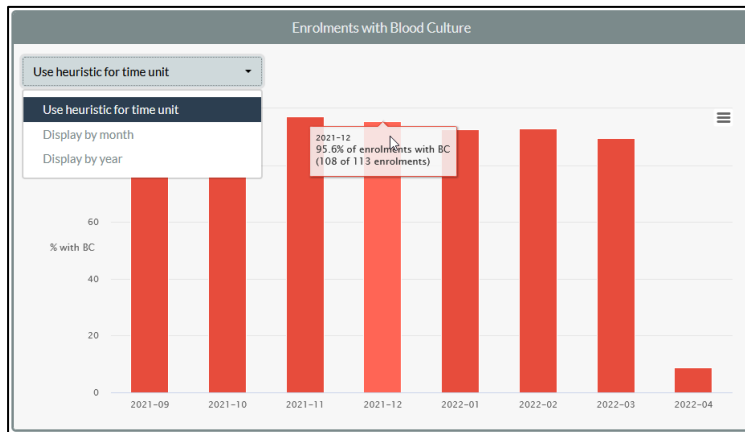


- Displays number of patients transferred based on current filters
- Hover mouse over data bar for more information

Patient Comorbidities

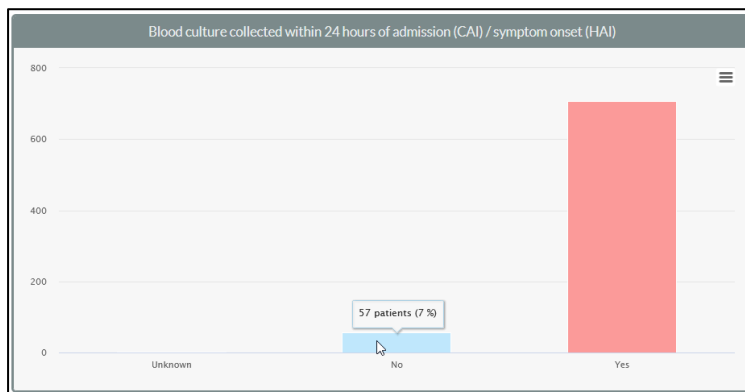


- Displays patient comorbidities based on current filters
- Hover mouse over data bar for more information
- Select “Show comorbidities combinations” to display comorbidity combinations (i.e. where a patient has >1 comorbidity)



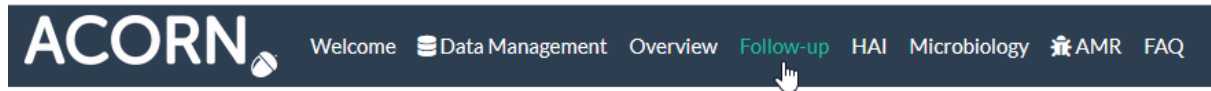
- Displays enrolments that have a blood culture based on current filters (based on laboratory linkage data)
- Can select preferred time unit
- Hover mouse over data bar for more information

Blood culture collected within 24 hours

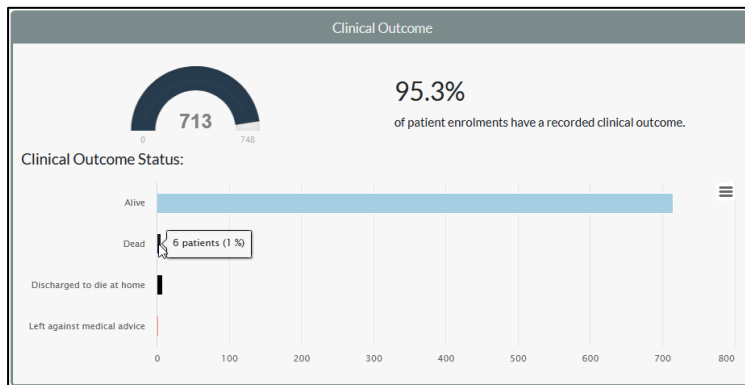


- Displays number of patients that had a blood culture collected within 24 hours of admission for CAI or within 24 hours of symptom onset for HAI based on current filters (based on clinical data collection)
- Hover mouse over data bar for more information

Follow-up Tab

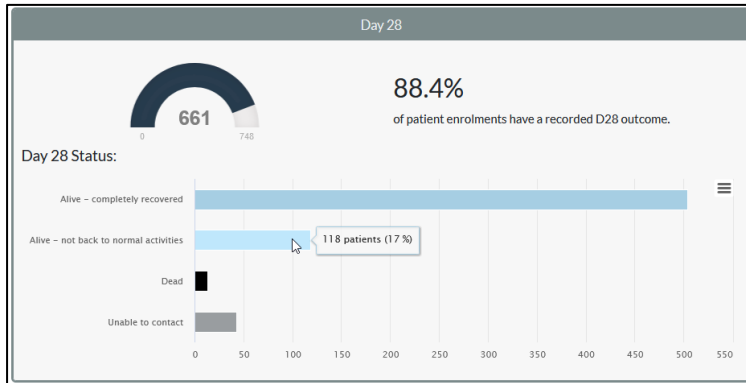


Clinical Outcome



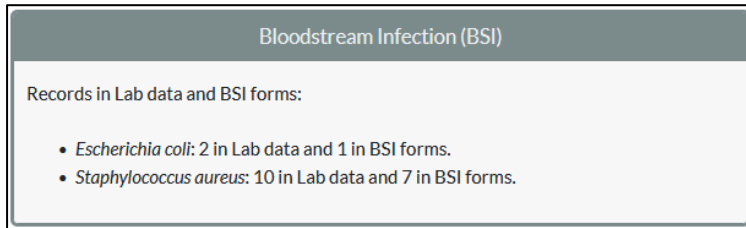
- Displays clinical outcome data based on current filters
- Hover mouse over data bar for more information

Day 28



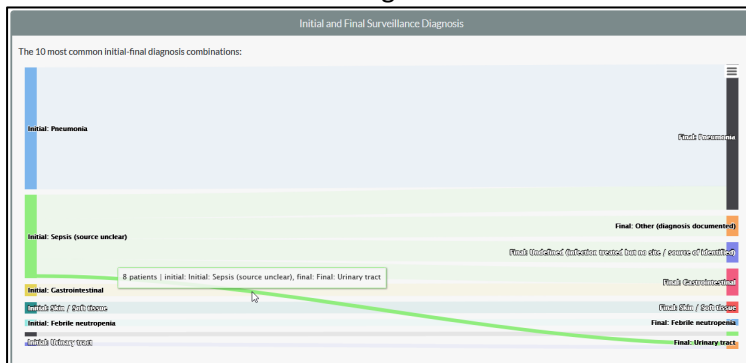
- Displays day 28 data based on current filters
- Hover mouse over data bar for more information

Bloodstream Infection



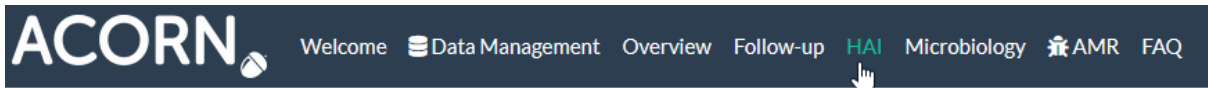
- Displays data on number of F05 relevant bloodstream infections based on current filters
- Number of records in lab data and F05 BSI forms

Initial and Final Surveillance Diagnosis

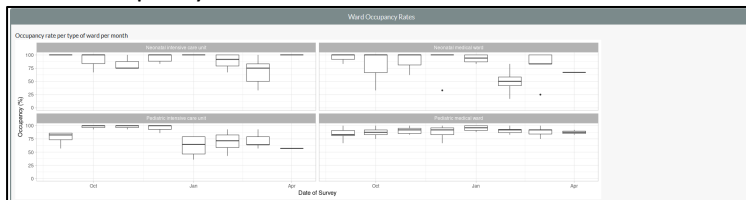


- Displays data linking initial and final surveillance diagnosis for the 10 most common combinations
- Hover mouse over strand to highlight it and get more information

HAI Tab

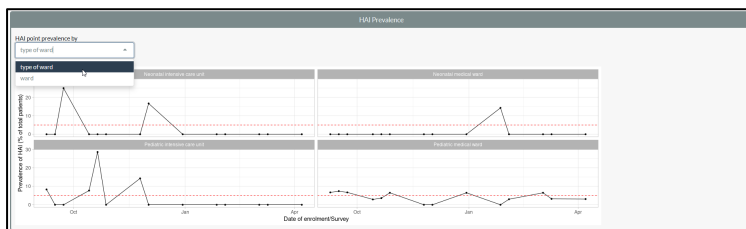


Ward Occupancy Rates



- Displays bed occupancy rate per type of ward per month

HAI Prevalence



- Displays HAI point prevalence by ward type or ward name
- The dotted red line is to highlight a prevalence of 5% (which may be an acceptable target to aim for if HAI rates are high)

Microbiology Tab



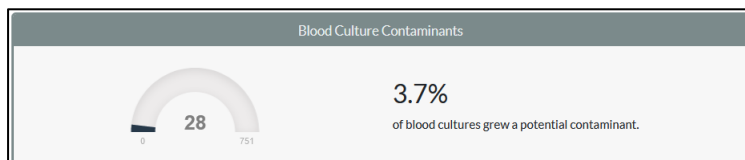
Welcome [Data Management](#) [Overview](#) [Follow-up](#) [HAI](#) [Microbiology](#) [AMR](#) [FAQ](#)

Remove blood culture contaminants

Remove blood culture contaminants from the following visualizations

- Select “Remove blood culture contaminants from the following visualizations” to remove blood culture contaminants data from displayed data

Blood Culture Contaminants



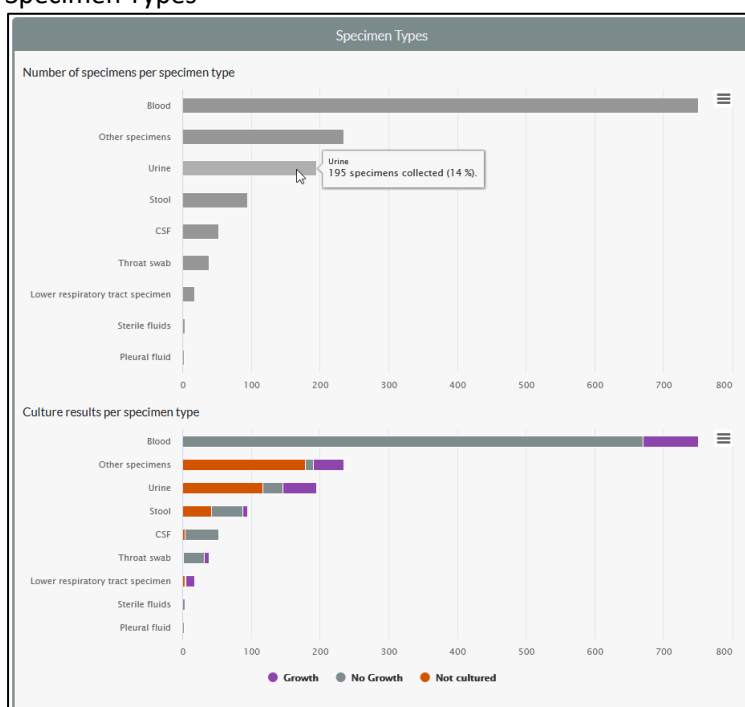
- Displays the number and percent of blood cultures that grew a potential contaminant (contaminants are defined in the app FAQ)

Growth/No Growth



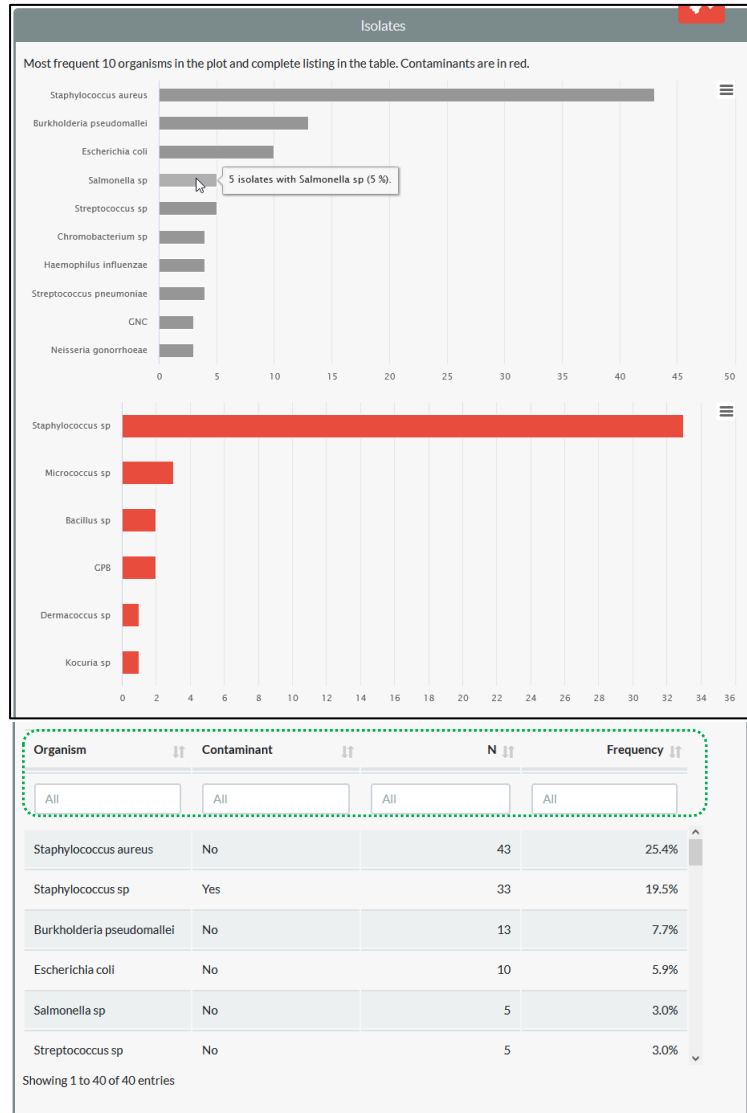
- Displays the number and percent of cultures that have growth
- This plot will reflect whichever specimen types are selected in the Specimen filter

Specimen Types



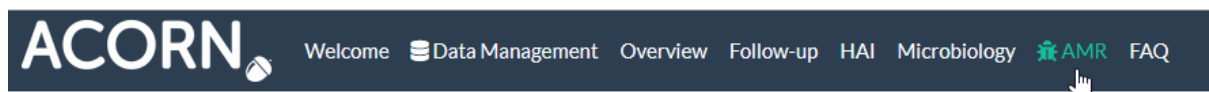
- Top: displays number and percent of each type of specimen collected
- Bottom: displays number and percent of culture results per specimen type – growth, no growth and not cultured
- Hover mouse over data bar for more information

Isolates



- The plot displays the 10 most frequent organisms
- Contaminants are in red
- Hover mouse over data bar for more information
- The table displays all organisms and can be **filtered and/or sorted**
- Use the scroll bar on the right in the table to see all results

AMR Tab

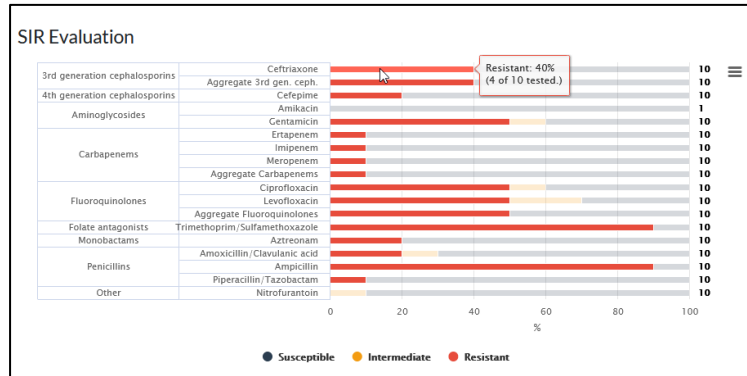


Organisms



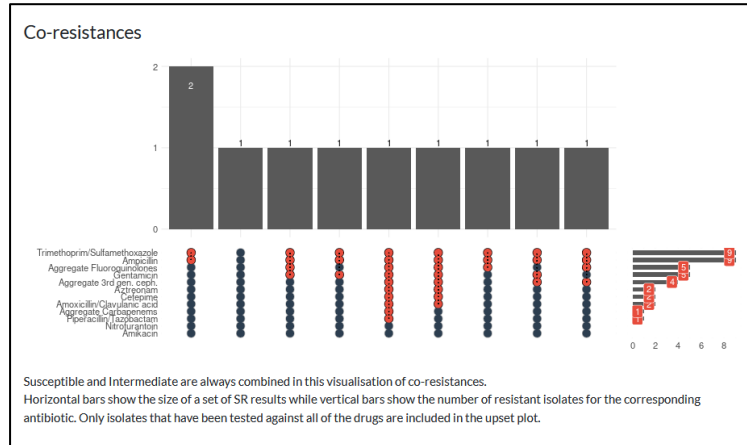
- Lists organisms to display data based on current filters
- Click on organism name to select it and display data, total appears at left
- Click “Combine Susceptible + Intermediate” to combine susceptible and intermediate categories
- Warning that care should be taken when interpreting rates and AMR profiles where there are small numbers of cases or bacterial isolates

SIR Evaluation



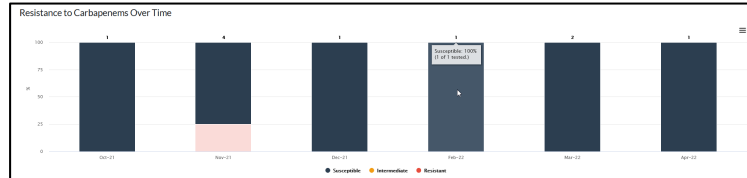
- Displays number and percent of isolates of selected organism susceptible, intermediate and resistance to each listed antibiotic.
- If “Combine Susceptible + Intermediate” is selected at top only susceptible and resistant categories will be shown.
- Hover mouse over data bar for more information

Co-resistances



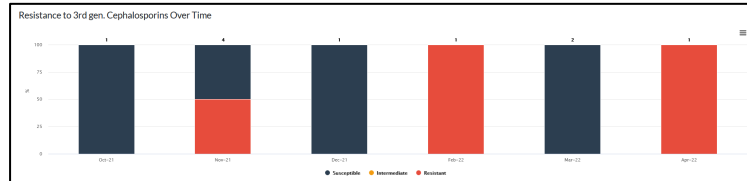
- Displays co-resistances of selected organism

Resistance to Carbapenems Over Time



- Displays number and percent resistant of selected organism to carbapenems over time
- If “Combine Susceptible + Intermediate” is selected at top only susceptible and resistant will appear.
- Hover mouse over data bar for more information

Resistance to 3rd gen. Cephalosporins Over Time



- Displays number and percent resistant to 3rd gen. cephalosporins of selected organism over time
- If “Combine Susceptible + Intermediate” is selected at top only susceptible and resistant will appear.
- Hover mouse over data bar for more information