

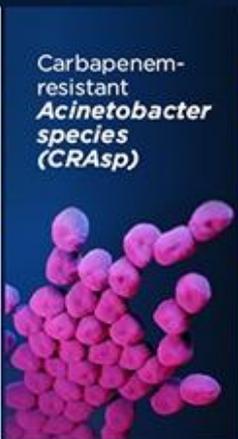


GermSoft – complete infection management from within your EMR system

6 of the 18 most alarming **antibiotic resistance threats** cost the U.S. more than **\$4.6 billion annually**



Vancomycin-resistant *Enterococcus* (VRE)



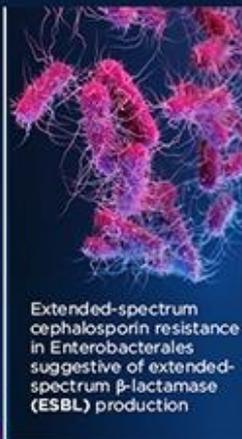
Carbapenem-resistant *Acinetobacter* species (CRAsp)



Methicillin-resistant *Staphylococcus aureus* (MRSA)



Carbapenem-resistant Enterobacterales (CRE)



Extended-spectrum cephalosporin resistance in Enterobacterales suggestive of extended-spectrum β -lactamase (ESBL) production



Multidrug-resistant (MDR) *Pseudomonas aeruginosa*

www.cdc.gov/DrugResistance



U.S. Department of Health and Human Services
Centers for Disease Control and Prevention

More than 60% of large hospitals do not have a technology solution for managing infections.

Annual Report, 2015

Annual Report, 2016

Annual Report, 2017

Annual Report, 2018

Tracking Antibiotic-Resistant Infections

larger issue of antibiotic resistance.

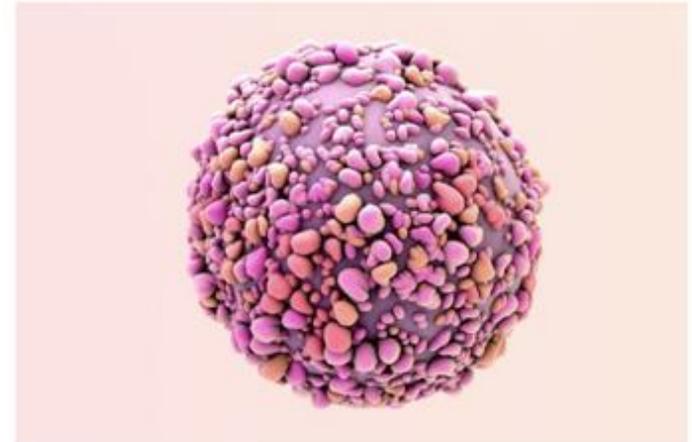
- In 2014, 266.1 million courses of antibiotics are dispensed to outpatients in U.S. community pharmacies. This equates to more than 5 prescriptions written each year for every 6 people in the United States.¹
- At least 30% of antibiotics prescribed in the outpatient setting are unnecessary, meaning that no antibiotic was needed at all.²
- Total inappropriate antibiotic use, inclusive of unnecessary use and inappropriate selection, dosing and duration, may approach 50% of all outpatient antibiotic use.^{3,4,5}

Healthy People 2020

Footnotes

COVID-19 Deaths Surpass 9/11 Deaths in Single Day

By Carolyn Crist



Dec. 10, 2020 -- The U.S. reported more than 3,080 COVID-19 deaths on Wednesday, marking the highest day so far in the [pandemic](#) and passing the number of deaths recorded on 9/11, according to *New York magazine*.

On Sept. 11, 2001, four coordinated terrorist attacks killed 2,977

Coronavirus Outbreak 2020



CORONAVIRUS HOME

WebMD's Complete Coverage of the COVID-19 Outbreak

With GermSoft, you can improve your care metrics, profitability and be well-prepared for the next pandemic

GermSoft – Distinguishing Features

Accessed from
within the EMR

Aligns with
clinician's workflow



Rich insights at the
point of care



GermSoft – Module Overview

Antimicrobial
Stewardship

4

1

Infection Management

Antibiograms

3

2

Infection Surveillance

Module 1 – Infection Management

Main Patient View Page

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** **INFECT:**
Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>

GermSoft provides integrated management of infectious diseases, and provides two views:

- First is patient-focused
 - For clinicians, pharmacists and infectious disease specialists
- Second is system-wide insight
 - This is at a hospital-level for quality, infection surveillance and consolidated reporting

Main Patient View Page

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** **INFECT:**
Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>

Once a patient is chosen for investigation, one can look into the main patient view page, which can lead to a spectrum of information

GermSoft collects information about that patient from a variety of sources (EMR system, lab system, radiology system) and presents in one area to minimize clicks

Override column

Allergy: Allergy Status Unknown
WT: kg HT: cm BSA: M2 BMI: IW: 82.2 kg AIW: kg ADM: DSC: INFECT: Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved	
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>	
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>	
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>	

The first column, "Override", is used to show whether the pathogen found indicates there is an acute infection (and treatment is needed), or if the pathogen identified is either a contaminant or colonization, in which case, no treatment is needed. For acute infectious agents, no check mark is present.

Clicking in the box in any row will jump to the Override page where information about the sample is provided associated with that row's lab order. The presence of a check mark shows the decision making by that this pathogen is a "contaminant" or "colonization" and as such does not need treatment.

Override page

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** IW: 82.2

Override	Covered	Infection Site	Infection Type
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Assoc
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Assoc
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Assoc

Infection Type

- Community-Acquired
- Healthcare-Associated
- Hospital-Associated
- None

Infection Site

- Not an Infection
- Blood Stream Infection (BSI)
 - Clinical Sepsis
 - Primary
 - Secondary
- Bone and Joint Infection (BJI)
- Cardiovascular System Infection (CVS)
- Central Nervous System Infection (CNS)
- Eye, Ear, Nose, Throat or Mouth Infection (EENT)
- Gastrointestinal System Infection (GI)
- Lower Respiratory Tract Infection (LRI)
- Pneumonia (PNEU)
- Reproductive Tract Infection (REPR)
- Surgical Site Infection (SSI)
- Systemic Infection (SYS)
- Urinary Tract Infection (UTI)
- Other

Surgical Details

No
 Yes

Devices

No
 Yes

- Arterial Catheter
- Central Venous Catheter
- Foley Catheter
- Pulmonary Catheter

Pathogen

Escherichia coli

Isolation Type

- None
- Standard Isolation
- Airborne Isolation
- Contact Isolation
- Droplet Isolation

Location

1 East-115-A S2V

Infection Comments

Code Status:

ip	Comment	Isolation	Resolved
		Standard	<input type="checkbox"/>
		Standard	<input type="checkbox"/>
		Standard	<input type="checkbox"/>

Here on the Override page, there is information to describe the source of the infection which depends on from where the patient arrived (active community member), from outside healthcare facility such as Skilled Nursing Facility or if the infection developed in the hospital.

Override page (continued)

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** IW: 82.2

Override	Covered	Infection Site	Infection Type
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Assoc
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Assoc
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Assoc

Infection Type

- Community-Acquired
- Healthcare-Associated
- Hospital-Associated
- None

Infection Site

- Not an Infection
- Blood Stream Infection (BSI)
 - Clinical Sepsis
 - Primary
 - Secondary
- Bone and Joint Infection (BJI)
- Cardiovascular System Infection (CVS)
- Central Nervous System Infection (CNS)
- Eye, Ear, Nose, Throat or Mouth Infection (EENT)
- Gastrointestinal System Infection (GI)
- Lower Respiratory Tract Infection (LRI)
- Pneumonia (PNEU)
- Reproductive Tract Infection (REPR)
- Surgical Site Infection (SSI)
- Systemic Infection (SYS)
- Urinary Tract Infection (UTI)
- Other

Surgical Details

No
 Yes

Devices

No
 Yes

- Arterial Catheter
- Central Venous Catheter
- Foley Catheter
- Pulmonary Catheter

Pathogen

Escherichia coli

Isolation Type

None Standard Isolation

- Airborne Isolation
- Contact Isolation
- Droplet Isolation

Location

1 East-115-A S2V

Infection Comments

Code Status:

ip	Comment	Isolation	Resolved
<input type="checkbox"/>		Standard	<input type="checkbox"/>
<input type="checkbox"/>		Standard	<input type="checkbox"/>
<input type="checkbox"/>		Standard	<input type="checkbox"/>

Other information on this page includes if the patient has any “hardware”, such as catheters or other implants; from where was the sample collected, what type of isolation is required or if it is collected as a result of any procedure. Where appropriate, CDC (Center for Disease Control & Prevention) defined terms are used.

Covered column

Allergy: Allergy Status Unknown
WT: kg HT: cm BSA: M2 BMI: IW: 82.2 kg AIW: kg ADM: DSC: INFECT: Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>

This column, "Covered", importantly alerts the user that this identified infectious agent identified from this row's microbiological results has begun treatment with an adequate antibiotic (the micro-organism found must be sensitive to this antibiotic). In the data shown here, you can see that no adequate treatment has been initiated to treat this infection

Infection Site & Type columns

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** INFECT: Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>

The next two columns describe the infection site and infection type in CDC defined terms

Source column

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** **INFECT:** **Code Status:**

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved	
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>	
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>	
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>	

Following the Infection Type and Site columns, is the Source column. This identifies from where the sample was obtained.

Culture column

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** INFECT: **Code Status:**

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved	
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>	
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>	
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>	

When you click on an icon in the Culture column, you will jump to a Culture report in the native format of the EMR system. Possible information shown may be that the sample has been received or any incomplete or complete results at the time of the click you made.

Culture Result page

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	WorkUp	Comment	Isolation	Resolved	Criteria Resolved
<input checked="" type="checkbox"/>		Urinary Tract L.	Healthcare-Associat...	Culture, Urine	E.coli	1 East-		Foley Cath...				9/20/201...			<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>		Urinary Tract L.	Healthcare-Associat...	Culture, Urine	E.coli	1 East-		Foley Cath...				9/20/201...			<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>	no	Urinary Tract L.	Hospital-Associated	Culture, Urine	E.coli	1 East-		Foley Cath...				9/20/201...			<input type="checkbox"/>		<input type="checkbox"/>

Culture result for E.coli - AwareDoc,John

Item Name	Name	Previous	Desc	Item Name Value	ArrivalDtm
9/20/2019 5:24:41 PM	Culture, Urine				
Specimen Desp			Urine - Day 3		9/20/2019 5:38:32 PM
Susceptibility			ORG for susceptibility count over 200k multiple E.coli susceptibility method Vitek 2 AMPL...		9/20/2019 5:38:32 PM
Specimen Requests			None - Day 3		9/20/2019 5:38:32 PM
Culture			Culture Colony count over 200k / ml multiple E.coli - Day 3		9/20/2019 5:38:32 PM

OK

[Current State Sensitivity/Resistance](#)

Clinical Data Profiles

- Laboratory
- Radiology
- Medication
- Other
- Diagnostic Imaging
- Medications
- Vital Signs
- Observations
- Surgical Data
- Location History

Save Cancel

Pathogen column

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** INFECT: **Code Status:**

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved	
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>	
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>	
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>	

The Pathogen column presents the name of the pathogen identified by the culture of this particular row.

Location column

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** **INFECT:** **Code Status:**

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>

The Location column names the hospital location of the patient at the time of the sample collection.

Susceptibility column

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** INFECT: Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East-				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East-				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East-				8/21/201...			Standard	<input type="checkbox"/>

In the Susceptibility column, when an icon is present, a completed susceptibility analysis is collected from the microbiological system for every antibiotic used. A table of sensitivities and resistances to the pathogen is presented.

Susceptibility status can be configured to binary (S or R) or include titres or other values.

Susceptibility Page

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	WorkUp	Comment	Isolation	Resolved	Criteria Resolved
<input checked="" type="checkbox"/>		Urinary Tract L.	Healthcare-Associat...	Culture, Urine		E coli	1	East...		Foley Cath...		9/20/201...			<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>		Urinary Tract L.	Healthcare-Associat...	Culture, Urine		E coli	1	East...		Foley Cath...		9/20/201...			<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>	no	Urinary Tract L.	Hospital-Associated	Culture, Urine		E coli	1	East...		Foley Cath...		9/20/201...			<input type="checkbox"/>		<input type="checkbox"/>

Current State Sensitivity/Resistance

Clinical Data Profiles

- Laboratory
- Radiology
- Medication
- Other
- Diagnostic Imaging
- Medications
- Vital Signs
- Observations
- Surgical Data
- Location History

Susceptibility for E.coli - AwareDoc,John

Antibiotic Name	Susceptibility
ampicillin	R
clindamycin	R
ceftriaxone	R
meropenem	S

OK

Save Cancel

GermSoft brings together multiple infectious organisms that are difficult and expensive to manage

Performed column

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** INFECT: Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Vorkup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>

In the Performed column, the date and time the sample was collected from the patient is reported. This information may be used if one wishes to check on the delay between order and sample collection or delay between sample collection and the initiation of microbiological processing. Identifying delays is an important step to managing infections.

Isolation column

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** **INFECT:** Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standard	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standard	<input type="checkbox"/>

The Isolation column presents the type of isolation needed based on the identified organism to protect staff. Doing so will help avoid spreading infections or coordinating cleaning efforts. Isolation is also important to protect immunosuppressed patients.

Resolved column

Allergy: Allergy Status Unknown
WT: kg **HT:** cm **BSA:** M2 **BMI:** **IW:** 82.2 kg **AIW:** kg **ADM:** **DSC:** **INFECT:** Code Status:

Infection Profiling

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	Workup	Comment	Isolation	Resolved
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standar	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associat...	Throat Cultu...		Escherichia coli		1 East...				10/17/20...			Standar	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Healthcare-Associat...	Culture, Blo...		Escherichia coli		1 East...				8/21/201...			Standar	<input type="checkbox"/>

When a check mark is present in a box, this means that the patient has completed treatment for this infection. Completion of infection treatment is configured at the hospital level such as "after two consecutive negative cultures".

The clinical team can then plan the discontinuance of the current antibiotic treatment.

Module 2 – Infection Surveillance

Infection Surveillance Page

IC Management

Follow-Up	Reviewed	Patient	Order Name	Result	Culture	Location	Collect Date	Comment	Resolved
-----------	----------	---------	------------	--------	---------	----------	--------------	---------	----------

Filter Results By:

From
Last 10 Years

Since
 Performed Date
 Arrival Date

Specimen Source
All

Result
All

Include Follow-Ups

Location
All

Organisms
All

Retain values for next patient

Get Culture Info

Save Cancel

Click on Tools → IC Management to get to the Infection Surveillance page

Filtered Patient List

Filter Results By:

From
Last 10 Years

Since
 Performed Date
 Arrival Date

Specimen Source
All

Result
All
 Include Follow-Ups

Location
All

Organisms
All

Retain values for next patient

Get Culture Info

Follow-Up	Reviewed	Patient	Order Name	Result	Culture	Location	Collect Date	Comment	Resolved
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli		1 East-113-A S2V	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative		1 East-113-A S2V	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli		1 East-101-A S2V	3/10/2020 1:16:06 AM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative		1 East-101-A S2V	3/10/2020 1:16:06 AM		<input type="checkbox"/>

Save Cancel

This filtered patient list delivers a systemwide view of all infections by organism, location, antibiotic used, and source of infection over any time span to predict disease problems and creates actionable reports.

Filtered Patient List

Filter Results By:

From
Last 10 Years

Since
 Performed Date
 Arrival Date

Specimen Source
All

Result
All
False Negative
False Positive
Final
Follow Ups
No Growth
No Result
Positive
Preliminary
All

Retain values for next patient

Get Culture Info

Follow-Up	Reviewed	Patient	Order Name	Result	Culture	Location	Collect Date	Comment	Resolved
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli		1 East-113-A S2V	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative		1 East-113-A S2V	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli		1 East-101-A S2V	3/10/2020 1:16:06 AM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative		1 East-101-A S2V	3/10/2020 1:16:06 AM		<input type="checkbox"/>

Save Cancel

You can filter by Result

Filtered Patient List

Filter Results By:

From
Last 10 Years

Since
 Performed Date
 Arrival Date

Specimen Source
All

Result
All

Include Follow-Ups

Location
All
1 East-101-A S2V
1 East-101-B S2V
1 East-102-A S2V
1 East-104-A S2V
1 East-113-A S2V
1 East-113-B S2V
1 East-115-A S2V
1 East-115-B S2V
1 East-116-A S2V
1 East-116-B S2V
1 East-117-A S2V
1 East-117-B S2V
1 East-118-A S2V
1 East-118-B S2V
1 East-119-A S2V
1 East-119-B S2V
1 East-120-A S2V
1 East-120-B S2V
1 East-121 S2V-1 East
1 East 114-A S2V-1 East 114
1 East S2V-121 S2V-1 East S2V
1 West S2V-1 West S2V-1 West S2V
2 East-201-A S2V
2 West S2V-2 West S2V-2 West S2V
3 East-301-A S2V
3 East-301-B S2V
3 East-302-A S2V
3 East-302-B S2V

Follow-Up	Reviewed	Patient	Order Name	Result	Culture	Location	Collect Date	Comment	Resolved
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli		1 East-113-A S2V	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative		1 East-113-A S2V	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli		1 East-101-A S2V	3/10/2020 1:16:06 AM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative		1 East-101-A S2V	3/10/2020 1:16:06 AM		<input type="checkbox"/>

You can filter by Location

Filtered Patient List

Filter Results By:

From
Last 10 Years

Since
 Performed Date
 Arrival Date

Specimen Source
All

Result
All

Include Follow-Ups

Location
All

Organisms
All
All or None
Aspergillus Fumigatus
Aspergillus Niger
Aspergillus Sp., Not Specified
Aspergillus Sp., Other
Bacillus Sp.
Bacteroides Fragilis
Bacteroides Other
Burkholderia Cepacia
Campylobacter Sp.
Candida Albicans
Candida Glabrata
Candida Parapsilosis
Candida Sp., Not Specified
Candida Sp., Other
Candida Tropicalis
Chlamydia Sp.
Citrobacter Freundii
Citrobacter Koseri
Citrobacter Sp., Not Specified
Citrobacter Sp., Other
Clostridium difficile

Follow-Up	Reviewed	Patient	Order Name	Result	Culture	Location	Collect Date	Comment	Resolved
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli		1 East-113-A S2V	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative		1 East-113-A S2V	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli		1 East-101-A S2V	3/10/2020 1:16:06 AM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative		1 East-101-A S2V	3/10/2020 1:16:06 AM		<input type="checkbox"/>

You can filter by Organism

Culture Details

Filter Results By:

From
Last 10 Years

Since
 Performed Date
 Arrival Date

Specimen Source
All

Result
All

Include Follow-Ups

Location
All

Organisms
All

Retain values for next patient

Get Culture Info

Follow-Up	Reviewed	Order Name	Result	Culture	Location	Collect Date	Comment	Resolved
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Redacted]	Culture, Urine	E.coli	1 East-113-A SZV	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Redacted]	Culture, Urine	False Negative	1 East-113-A SZV	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Redacted]	Culture, Urine	E.coli	1 East-101-A SZV	3/10/2020 1:16:06 AM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[Redacted]	Culture, Urine	False Negative	1 East-101-A SZV	3/10/2020 1:16:06 AM		<input type="checkbox"/>

Culture result for - [Redacted]

Item Name	Name	Previous	Desc	Item Name Value	ArrivalDtm
3/10/2020 1:16:06 AM	Culture, Urine				
Specimen Requests				None	9/20/2019 7:26:17 PM
Susceptibility				ORG for susceptibility count over 200k multiple E.coli susceptibility method Vitek 2 AMPL	9/20/2019 7:26:17 PM
Specimen Desp				Blood	9/20/2019 7:26:17 PM
Culture				Culture Colony count over 200k / ml multiple E.coli	9/20/2019 7:26:17 PM
Report Status				Day 3 - Final	9/20/2019 7:26:17 PM

OK

Save Cancel

Clicking on culture will bring up the Culture details for the selected patient

Susceptibility Details

Filter Results By:

From
Last 10 Years

Since
 Performed Date
 Arrival Date

Specimen Source
All

Result
All

Include Follow-Ups

Location
All

Organisms
All

Retain values for next patient

Get Culture Info

Follow-Up	Reviewed	Order Name	Result	Culture	Location	Collect Date	Comment	Resolved
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli	1 East-113-A SZV	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative	1 East-113-A SZV	9/20/2019 5:24:41 PM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	E.coli	1 East-101-A SZV	3/10/2020 1:16:06 AM		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	Culture, Urine	False Negative	1 East-101-A SZV	3/10/2020 1:16:06 AM		<input type="checkbox"/>

Culture result for - [REDACTED]

Item Name	Name	Previous	Desc	Item Name Value	ArrivalDtm
3/10/2020 1:16:06 AM	Culture, Urine				
Specimen Requests				None	9/20/2019 7:26:17 PM
Susceptibility				ORG for susceptibility count over 200k multiple E.coli susceptbility method Vitek 2 AMPL	9/20/2019 7:26:17 PM
Specimen Desp				Blood	9/20/2019 7:26:17 PM
Culture				Culture Colony count over 200k / ml multiple E.coli	9/20/2019 7:26:17 PM
Report Status				Day 3 - Final	9/20/2019 7:26:17 PM

Result Description - [REDACTED]

ORG for susceptibility count over 200k multiple E.coli susceptbility method Vitek 2 AMPICILLIN R CEFTRIAXONE R MEROPENEM S LEVOFLOXACIN R CLINDAMYCIN R

OK

Clicking on the icon in the description column will bring up susceptibility details for the selected patient and culture

Module 3 – Classical & Novel Antibiograms

Antibiogram page

Filter Results By:

Antibiogram Type
All

Location
All

From:
Wednesday, November 3, 2010

To:
Tuesday, November 3, 2020

Retain Values

Get Antibiogram Info

All

Ampicillin Gentamicin

Ceftriaxone
 Meropenem
 Clindamycin
 Cefazolin

Pathogen	Total	Ampicillin (Aminopenicillins)	Ceftriaxone (Third Generation Cephalosporins)	Meropenem (Carbapenems)	Clindamycin (Lincomycin Derivatives)	Cefazolin (First Generation Cephalosporins)
E.coli	4	2(50%)	0	2(50%)	2(50%)	0

Close

Click on Tools → Antibiograms to access the Antibiogram page

These pages offer detailed, important data to see organism resistance to specific drugs based on certain filters

Antibiogram page

Antibiogram

Filter Results By:

Antibiogram Type

All
Community-Acquired
Healthcare-Associated
Hospital-Associated
Unassigned Type

From: Wednesday, November 3, 2010

To: Tuesday, November 3, 2020

Retain Values

Get Antibiogram Info

All

Ampicillin
 Ceftriaxone
 Meropenem
 Clindamycin
 Cefazolin

Gentamicin

Pathogen	Total	Ampicillin (Aminopenicillins)	Ceftriaxone (Third Generation Cephalosporins)	Meropenem (Carbapenems)	Clindamycin (Lincomycin Derivatives)	Cefazolin (First Generation Cephalosporins)
E.coli	4	2(50%)	0	2(50%)	2(50%)	0

Close

You can filter by Antibiogram type and Date Range

Antibiogram page

Filter Results By:

Antibiogram Type
Hospital-Associated

Location
All

- 1 East-101-A SZV
- 1 East-101-B SZV
- 1 East-102-A SZV
- 1 East-104-A SZV
- 1 East-113-A SZV
- 1 East-113-B SZV
- 1 East-115-A SZV
- 1 East-115-B SZV
- 1 East-116-A SZV
- 1 East-116-B SZV
- 1 East-117-A SZV
- 1 East-117-B SZV
- 1 East-118-A SZV
- 1 East-118-B SZV
- 1 East-119-A SZV
- 1 East-119-B SZV
- 1 East-120-A SZV
- 1 East-120-B SZV
- 1 East-121 SZV-1 East
- 1 East-114-A SZV-1 East 114
- 1 East SZV-121 SZV-1 East SZV
- 1 West SZV-1 West SZV-1 West
- 2 East-201-A SZV
- 2 West SZV-2 West SZV-2 West
- 3 East-301-A SZV
- 3 East-301-B SZV
- 3 East-302-A SZV

All

Ampicillin Gentamicin

Ceftriaxone
 Meropenem
 Clindamycin
 Cefazolin

Pathogen	Total	Ampicillin (Aminopenicillins)	Ceftriaxone (Third Generation Cephalosporins)	Meropenem (Carbapenems)	Clindamycin (Lincomycin Derivatives)	Cefazolin (First Generation Cephalosporins)
E.coli	4	2(50%)	0	2(50%)	2(50%)	0

Close

You can also filter by Location

Adhoc Antibigram page

Filter Results By:

Infection Type <input checked="" type="checkbox"/> Select All <input checked="" type="checkbox"/> Community-Acquired <input checked="" type="checkbox"/> Healthcare-Associated <input checked="" type="checkbox"/> Hospital-Associated <input checked="" type="checkbox"/> Unassigned Type	Pathogen Group and Type <input checked="" type="checkbox"/> Select All <input checked="" type="checkbox"/> Anaerobic Bacilli <input checked="" type="checkbox"/> Enterobacteriaceae <input checked="" type="checkbox"/> Eurotiomycetes <input checked="" type="checkbox"/> Gram Negative Bacilli <input checked="" type="checkbox"/> Gram Negative Cocci <input checked="" type="checkbox"/> Gram Positive Bacilli <input checked="" type="checkbox"/> Gram Positive Cocci <input checked="" type="checkbox"/> Other Bacteria	<input checked="" type="checkbox"/> Select All <input checked="" type="checkbox"/> Achromobacter Sp. <input checked="" type="checkbox"/> Acinetobacter Baumannii <input checked="" type="checkbox"/> Acinetobacter Calcoaceticus <input checked="" type="checkbox"/> Acinetobacter Haemolyticus <input checked="" type="checkbox"/> Acinetobacter Lwoffii <input checked="" type="checkbox"/> Acinetobacter Sp., Not Specified <input checked="" type="checkbox"/> Acinetobacter Sp., Other <input checked="" type="checkbox"/> Actinomyces Sp.						
Location <input checked="" type="checkbox"/> Select All <input checked="" type="checkbox"/> 1 East-101-A S2V <input checked="" type="checkbox"/> 1 East-101-B S2V <input checked="" type="checkbox"/> 1 East-102-A S2V <input checked="" type="checkbox"/> 1 East-104-A S2V <input checked="" type="checkbox"/> 1 East-113-A S2V <input checked="" type="checkbox"/> 1 East-113-B S2V <input checked="" type="checkbox"/> 1 East-115-A S2V <input checked="" type="checkbox"/> 1 East-115-B S2V	Antibiotic Groups and Name <input checked="" type="checkbox"/> Select All <input checked="" type="checkbox"/> Aminopenicillins <input checked="" type="checkbox"/> First generation cephalosporins <input checked="" type="checkbox"/> Third generation cephalosporins <input checked="" type="checkbox"/> Lincomycin derivatives <input checked="" type="checkbox"/> Aminoglycosides <input checked="" type="checkbox"/> Quinolones <input checked="" type="checkbox"/> Carbapenems	<input checked="" type="checkbox"/> Select All <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> Ampicillin <input checked="" type="checkbox"/> Cefazolin <input checked="" type="checkbox"/> Ceftriaxone <input checked="" type="checkbox"/> Clindamycin <input checked="" type="checkbox"/> Day <input checked="" type="checkbox"/> Efrriaxone						
Culture Type <input checked="" type="checkbox"/> Select All <input checked="" type="checkbox"/> Blood Culture <input checked="" type="checkbox"/> Bone Culture <input checked="" type="checkbox"/> Culture Blood 2 <input checked="" type="checkbox"/> Culture, Blood <input checked="" type="checkbox"/> Culture, Urine <input checked="" type="checkbox"/> Sputum Culture <input checked="" type="checkbox"/> Stool Culture <input checked="" type="checkbox"/> Throat Culture	From: Wednesday, November 3, 2010 To: Tuesday, November 3, 2020 <input type="checkbox"/> Retain Values <input type="button" value="Get Antibigram Info"/>	<table border="1"><thead><tr><th>Sensitivity</th><th>Total</th><th>Percent</th></tr></thead><tbody><tr><td>2</td><td>2</td><td>100.00</td></tr></tbody></table> <input type="button" value="Close"/>	Sensitivity	Total	Percent	2	2	100.00
Sensitivity	Total	Percent						
2	2	100.00						

A unique feature of GermSoft is the Adhoc Antibigram, with a 360-deg view of infections, treatments, problem hospital units, and infection types

Module 4 – Antimicrobial Stewardship

Antimicrobial Stewardship

PatientList X

Patient Data

No Patient Selected

Alerts

 Total: 5 Bug-Drug Errors: 1 De-Escalation: 1 Drug-Lab Issue: 1 Double Coverage: 1 Restricted Abx: 1

Locations:

Type:

Patient Name	Current Location	Medications	Type	Bug-Drug Errors	De-Escalation	Drug-Lab Issue	Double Coverage	Restricted Abx	Alert
██████████	1 East-113-A S2V		Running Diagnosis For Dp						
██████████ line	1 East-118-B S2V		Positive Cultures						
██████████	1 East-117-B S2V		Running Diagnosis For Dp						
██████████ y	1 East-117-A S2V		Running Diagnosis For Dp						
██████████	1 East-113-B S2V		Running Diagnosis For Dp						
██████████	1 East-116-A S2V		Orders For Abx						
██████████	1 East-115-B S2V		Running Diagnosis For Dp						
██████████	1 East-120-B S2V		Admitting Diagnosis						
██████████	1 East S2V-121 S2V-1 East S2V		Running Diagnosis For Dp						
██████████	1 East-115-A S2V		Admitting Diagnosis						
██████████ ette	1 East-120-A S2V		Orders For Abx						

Click on Tools → Antimicrobial Stewardship to access the AMS page

Antimicrobial Stewardship

Patient Data [Redacted] **Alerts** Total: 0 Critical: 0 High: 0 Medium: 0 Low: 0 Unacknowledged: 0 Acknowledged: 0 Supressed: 0 Dismissed: 0

Patient List | Diagnostic Profiling | Infection Profiling | Calculations | Predictions | Abnormal Lab Values

Override	Covered	Infection Site	Infection Type	Source	Culture	Pathogen	Criteria	Location	Susceptibility	Devices	Surgery	Performed	WorkUp	Comment	Isolation	Resolved	Criteria Resolved
<input type="checkbox"/>		Pneumonia (P...		Blood culture								1/17/201...				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Pneumonia (P...		Blood culture								1/16/201...				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Pneumonia (P...		Blood culture								1/15/201...				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Hospital-Associated	Blood culture		Clostridium dif...		WMH-...	**			1/14/201...				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	no	Cardiovascula...	Healthcare-Associa...	Blood culture		Clostridium dif...		WMH-...	**			1/14/201...				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associa...	Blood culture		Clostridium dif...		WMH-...	**			1/14/201...				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	no	Blood Stream...	Hospital-Associated	Blood culture		Clostridium dif...		WMH-...	**			1/14/201...				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	no	Cardiovascula...	Healthcare-Associa...	Blood culture		Clostridium dif...		WMH-...	**			1/14/201...				<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	no	Pneumonia (P...	Healthcare-Associa...	Blood culture		Clostridium dif...		WMH-...	**			1/14/201...				<input type="checkbox"/>	<input type="checkbox"/>

[Current State Sensitivity/Resistance](#)

Sensitivity Resistance For All Current Isolates [Redacted]

Pathogen	Cefazolin	Gentamicin	Ampicillin	Levofloxacin
Clostridium difficile	R	R	S	R

Use aminopenicillins for 1 organisms. (Clostridium difficile in Blood culture)

Clinical Data Profiles

- Laboratory
 - All
 - Chemistry
 - Microbiology
 - General
- Radiology
- Cardiology
- Medication
- Medications
- Vital Signs
- Observations
- Surgical Data
- Location History

Lab Results

Item Name	Order Name	Previous	D
1/16/2014 6:07:00 PM	Blood culture		
Culture			
Report Status			
Specimen Desp			
Specimen Requests			
1/15/2014 6:05:00 PM	Blood culture		
Culture		<input checked="" type="checkbox"/>	No Growth 2 Day
Report Status		<input checked="" type="checkbox"/>	Preliminary
Specimen Desp		<input checked="" type="checkbox"/>	Blood

Clicking on a patient provides additional insights related to the patient's infection

Lab results

Item Name	Order Name	Previous	Description	Value	H/L	Range	Arrival Date
1/16/2014 6:07:00 PM	Blood culture						
Culture				No Growth 1 Day			1/17/2014 6:05:00 PM
Report Status				Preliminary			1/17/2014 6:05:00 PM
Specimen Desp				Blood			1/17/2014 6:05:00 PM
Specimen Requests				None			1/17/2014 6:05:00 PM
1/15/2014 6:05:00 PM	Blood culture						
Culture		←		No Growth 2 Day			1/17/2014 6:03:00 PM
Report Status		←		Preliminary			1/17/2014 6:03:00 PM
Specimen Desp		←		Blood			1/17/2014 6:03:00 PM
Specimen Requests		←		None			1/17/2014 6:03:00 PM
1/14/2014 8:03:00 PM	Blood culture						
Culture		←	🗑️	Colony count: Over 200K Col...			1/17/2014 6:01:00 PM
Report Status		←		Final			1/17/2014 6:01:00 PM
Specimen Desp		←		Blood			1/17/2014 6:01:00 PM
Specimen Requests		←		None			1/17/2014 6:01:00 PM
Susceptibility			🗑️	ORG. for susceptibility colony...			1/17/2014 6:01:00 PM
1/14/2014 6:48:00 PM	Blood culture						
Culture		←	🗑️	Colony count: Over 200K Col...			1/17/2014 5:59:00 PM
Report Status		←		Final			1/17/2014 5:59:00 PM
Specimen Desp		←		Blood			1/17/2014 5:59:00 PM
Specimen Requests		←		None			1/17/2014 5:59:00 PM
Susceptibility			🗑️	ORG. for susceptibility colony...			1/17/2014 5:59:00 PM

Close

Save

Cancel

System provides lab results for the selected patient

Antibiotic Coverage

Antibiotic Name	Hospital Pharmacy	ID Approval	Interactions	Disease Interactions	Allergic Reaction	Order Status	Susceptibility	Toxicity	Cost
first generation cephalosporins							R		
cefadroxil	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
cefazolin	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
cephalexin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
cephalothin	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
cephapirin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
cephradine	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
aminoglycosides							R		
amikacin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>				
gentamicin	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
kanamycin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
neomycin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
netilmicin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
paromomycin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
streptomycin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
tobramycin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
aminopenicillins							S		
amoxicillin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	⚠		<input type="checkbox"/>			⚠	\$ 9
ampicillin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	⚠	⚠	<input type="checkbox"/>			⚠	\$ 23
ampicillin-probenecid	<input type="checkbox"/>	<input type="checkbox"/>	⚠	⚠	<input type="checkbox"/>				\$ 0
bacampicillin	<input type="checkbox"/>	<input type="checkbox"/>	⚠		<input type="checkbox"/>			⚠	\$ 233
quinolones							R		
cinoxacin	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				

Override (Adequately Treated)

OK

A unique feature of GermSoft is the transparency of antibiotic costs. This is expected to reduce cost of treatment significantly

Organism Tracking

Organism Tracking

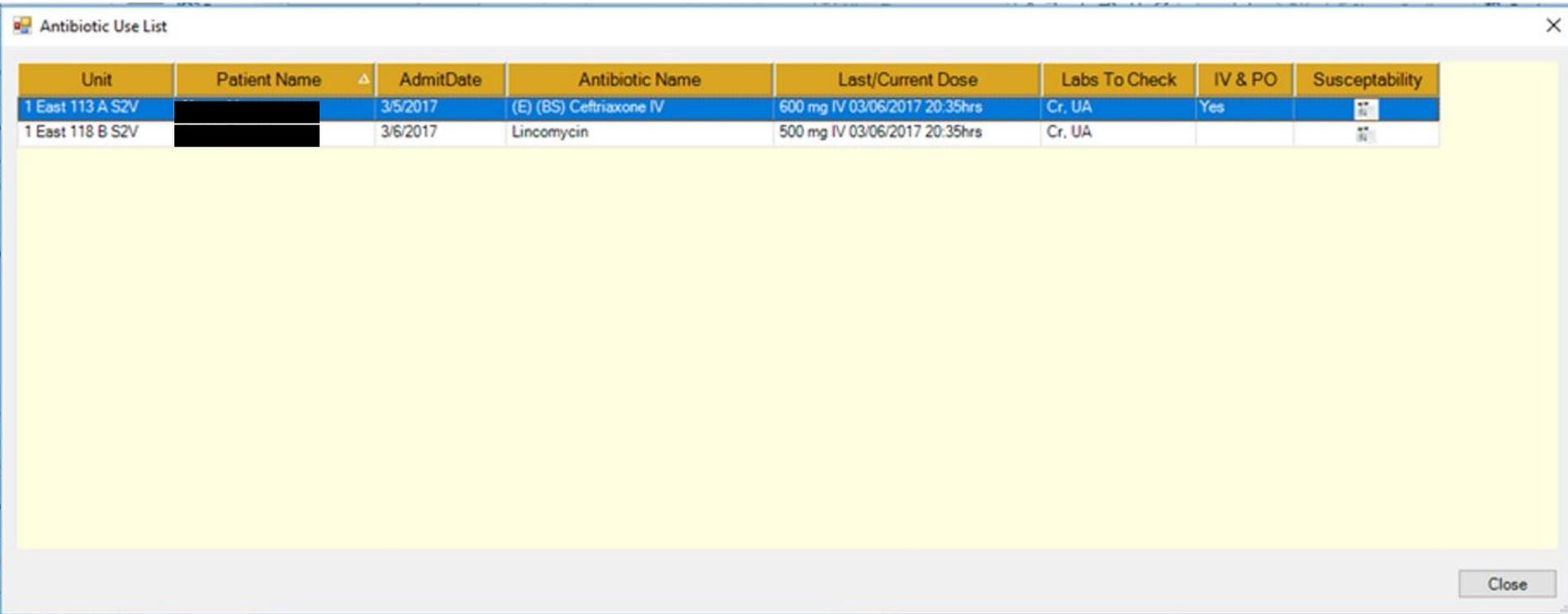
Patient Data
No Patient Selected

Organism: Generate Report Generate Dashboard Close

Patient Name	Location	Organism	POA	Procs this Admission	Other Locations this Admission
Patient, Eleven	1 East-118-A S2V	A.bauman MDR			
Patient, Twelve	1 East-118-A S2V	A.bauman MDR		GI Scope, TIPS	
[REDACTED]	1 East-118-A S2V	CRE		2/9/2017 12:00:00 AM	
Patient, Thirteen	1 East-118-A S2V	CRE	Yes	2/7/2017 12:00:00 AM	
Doe, John	1 East-118-A S2V	VRE	No	2/5/2017 12:00:00 AM	Radial CT Suites
[REDACTED]	1 East-118-A S2V	VRE		2/8/2017 12:00:00 AM	
[REDACTED]	3 East-302-B S2V	A.bauman MDR		2/10/2017 12:00:00 AM	Radial CT Suites
Patient, Five	3 East-302-B S2V	A.bauman MDR		2/8/2017 12:00:00 AM	
Patient, Seven	3 East-302-B S2V	A.bauman MDR	Yes	2/4/2017 12:00:00 AM	
[REDACTED]	3 East-302-B S2V	CRE	No	2/9/2017 12:00:00 AM	GI Suites
Patient, Three	3 East-302-B S2V	CRE		2/8/2017 12:00:00 AM	
Peters, Evelyn	3 East-302-B S2V	CRE		2/6/2017 12:00:00 AM	
[REDACTED]	3 East-302-B S2V	CRE	Yes	2/7/2017 12:00:00 AM	ED pod 2
[REDACTED]	3 East-302-B S2V	VRE		2/4/2017 12:00:00 AM	
[REDACTED]	3 East-302-B S2V	VRE		2/6/2017 12:00:00 AM	
[REDACTED]	3 East-302-B S2V	VRE	Yes	2/7/2017 12:00:00 AM	GI Scope, TIPS
[REDACTED]	ICU-246-B S2V	A.bauman MDR		2/4/2017 12:00:00 AM	
[REDACTED]	ICU-246-B S2V	CRE		2/10/2017 12:00:00 AM	GI Scope, TIPS

The systems provides rich functionality for tracking organisms

Antibiotic Tracking



Unit	Patient Name	AdmitDate	Antibiotic Name	Last/Current Dose	Labs To Check	IV & PO	Susceptibility
1 East 113 A S2V		3/5/2017	(E) (BS) Ceftriaxone IV	600 mg IV 03/06/2017 20:35hrs	Cr, UA	Yes	☐
1 East 118 B S2V		3/6/2017	Lincomycin	500 mg IV 03/06/2017 20:35hrs	Cr, UA		☐

The systems can track antibiotics by patient, location, administered date, susceptibility, etc.

Antibiogram Resistance Emergence

Antibiotic Resistance Emergence

X

Antibiotic Resistance Emergence Reference Antibiogram 1 July 2015 - 30 Jun 2016 Test Antibiogram 1 July 2016 - 31 Dec 2016			
Pathogen Name	Antibiotic Name	Test Resistance	Reference Resistance
Acinetobacter baumananii MDR	ampicillin	13%	8.7%
	cephalexin	22%	15%
Bacillus brevis	ciprofloxacin	29% ***	22%

Antibiotic Resistance Emergence

Close

GermSoft can provide early warnings on antibiotic resistance emergence

Empiric Antibiotic Therapy

Empiric Antibiotic Therapy



Main Category

Respiratory Tract Infections

Sub-Category

Community-Acquired Pneumonia

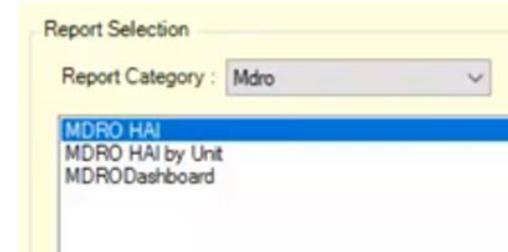
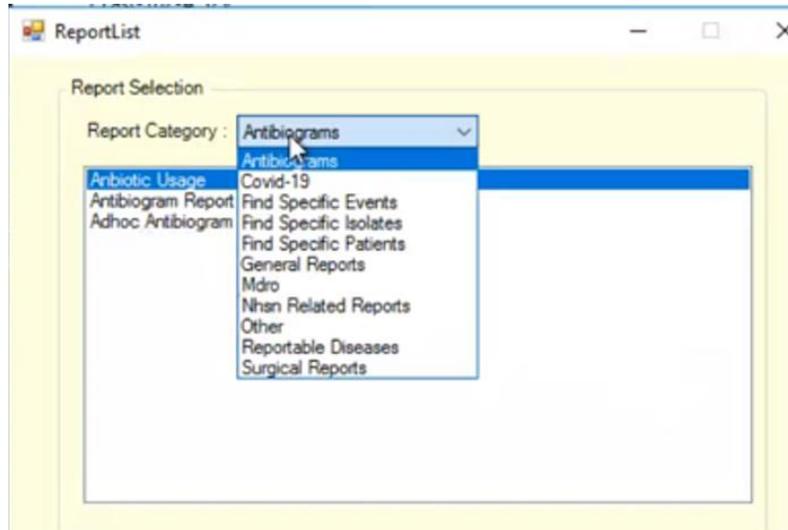
Community-Acquired Pneumonia

Close

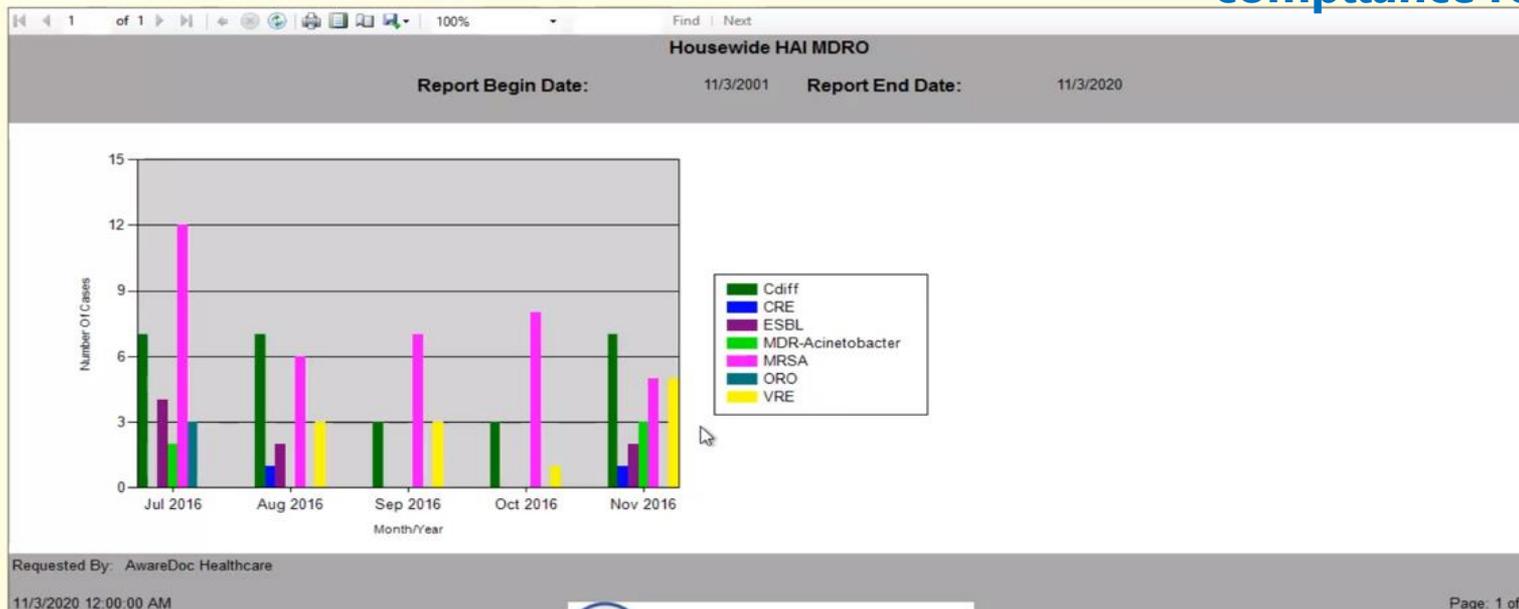
Diagnosis	Common Pathogens	Drug(s) of First Choice	Alternative Drug(s)	Comments
Community-Acquired Pneumonia	<i>S. pneumoniae</i>	No Recent antibiotic therapy:*	For severe PCN allergy:	ID consultation is recommended if ICU admission or high level PCN-resistant pneumococci documented.
Immunocompetent patient - Medical Ward	<i>Mycoplasma pneumoniae</i>	Ceftriaxone 1 g IV daily	Levofloxacin 750 mg PO/IV daily	
	<i>Chlamydia pneumoniae</i>	PLUS	OR	
	<i>H. influenzae</i>	Doxycycline 100 mg PO/IV q12h	Moxifloxacin ID-R: SFGH 400 mg PO/IV daily	*If patient has had recent antibiotic therapy, antibiotics from a different class should be selected (i.e. recent use of a fluoroquinolone should dictate selection of a non-fluoroquinolone regimen, and vice versa).
	<i>Legionella pneumophila</i>			
	<i>Klebsiella pneumoniae</i>			
	(alcoholics)			Consider influenza testing and treatment with oseltamivir.

GermSoft provides hospital and CDC protocols as needed for best practice care

GermSoft Reporting



GermSoft provides a rich list of operational and compliance reports



GermSoft is a differentiated, feature-rich solution for infection management

Thank you!

Audio: Brittle Rille Kevin MacLeod (incompetech.com)
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