

# HAIS Web Application



# What you will learn

1. Types of user & workflow
2. How to access the web application
3. How to enter CRF
4. How to enter Denominator data
5. Approve & Forward CRFs to AIIMS
6. Handling review requests
7. Updating outcomes
8. Deleting an entry
9. Reports

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# 1. Types of user & workflow

# Types of user

## 1. Data Entry Operator (DEO)

Will enter Case Report Forms (CRFs) and Denominator data

## 2. Surveillance Coordinator (Mostly PI)

Will approve / disapprove data and communicate with the AllMS team

## 3. AllMS team

Will verify CRFs and send back for review to surveillance coordinators if required.

# Work flow

## Surveillance Facility (Hospital)



Data entry / update



**Data Entry  
Operator  
(DEO)**

**Surveillance  
coordinator  
(Mostly PI)**

# Work flow



**Data Entry  
Operator  
(DEO)**

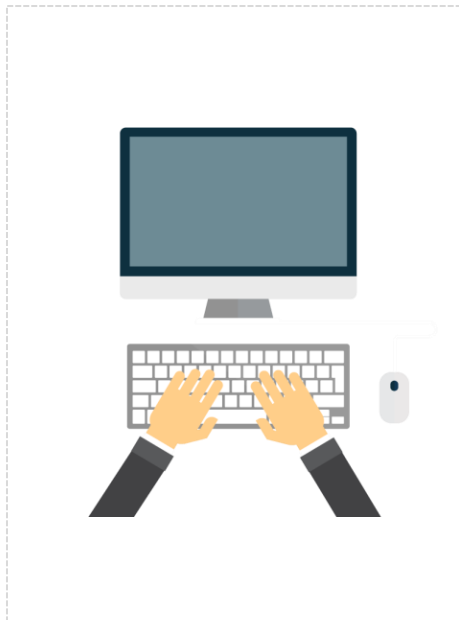
←  
Send back  
to DEO

**Action: Send  
back**



**Surveillance  
coordinator  
(Mostly PI)**

# Work flow



**Data Entry  
Operator  
(DEO)**

Data entry / update

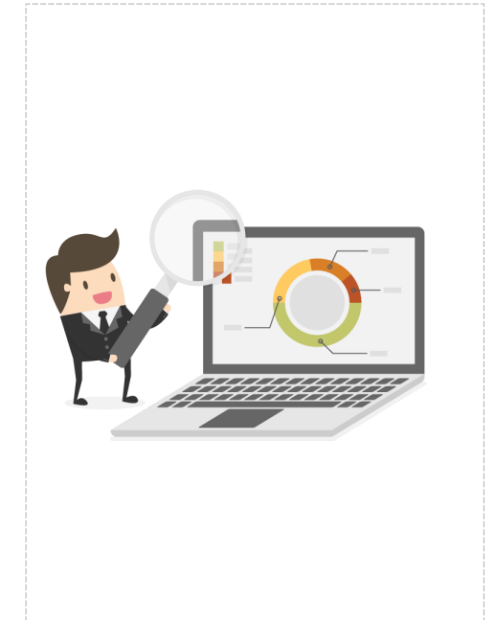


**Action:  
Approved**



**Surveillance  
coordinator  
(Mostly PI)**

Approved

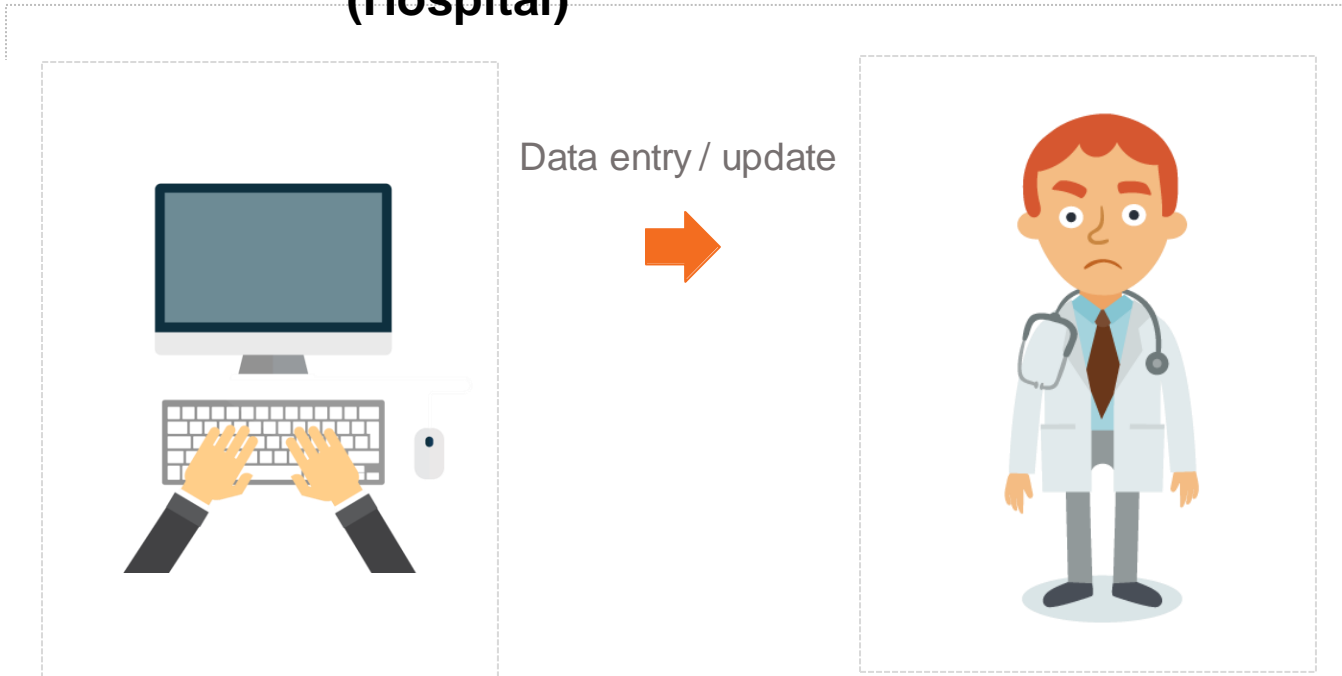


**AIIMS Team**



# Work flow

## Surveillance Facility (Hospital)



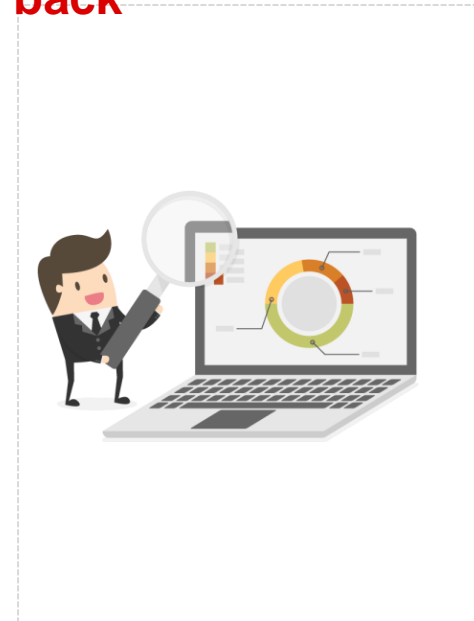
**Data Entry  
Operator  
(DEO)**

**Surveillance  
coordinator  
(Mostly PI)**

Approved

Review request

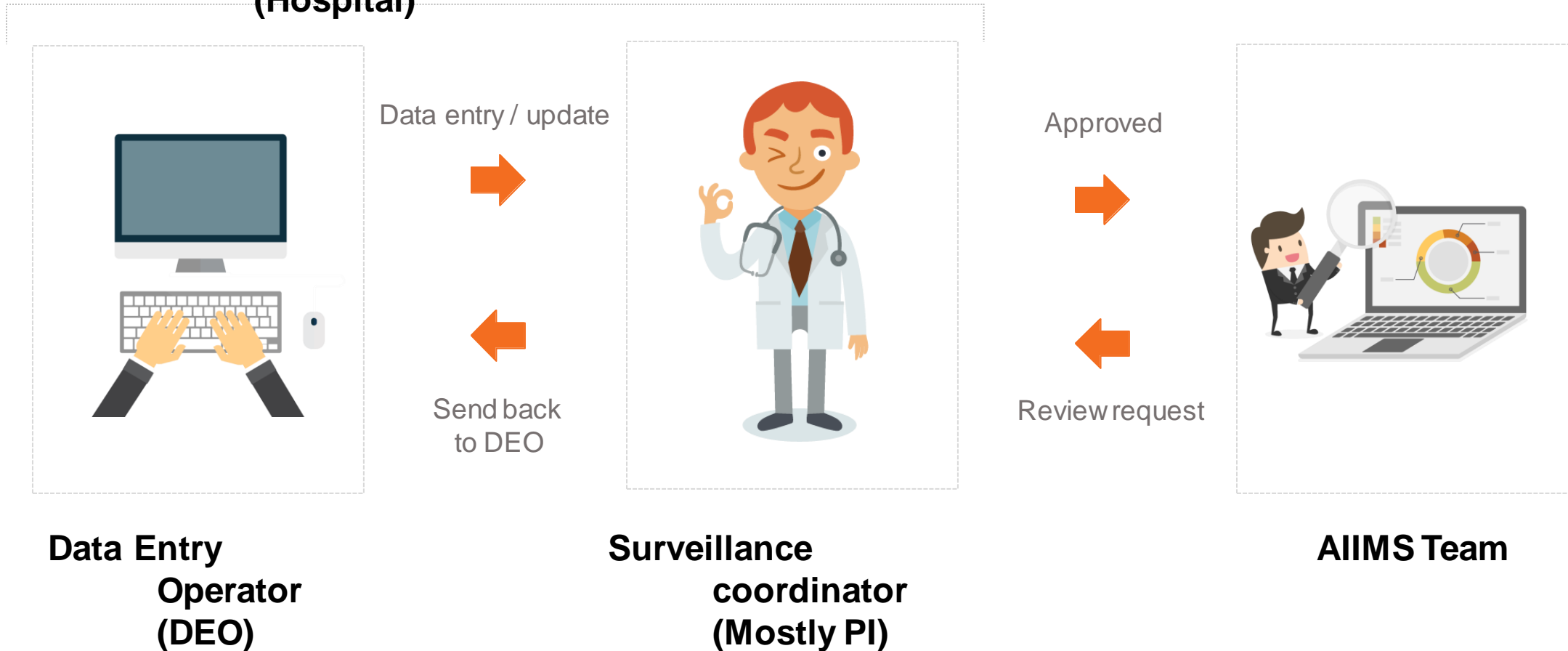
**Action: Send  
back**



**AIIMS Team**

# Work flow

## Surveillance Facility (Hospital)



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# 4. How to access the web application?

# How to access the DEO panel?

**Step 1:** Visit [www.haisindia.com](http://www.haisindia.com)

**Step 2:** Click on [Application Login]

**Step 3:** Login credentials for DEO training account

- **Email:** [trainingdeo@haisindia.com](mailto:trainingdeo@haisindia.com)
- **Password:** 123456

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# 3. How to enter new CRF?

# Report New Case

**HAI Surveillance** Codepenters | deo@haisindia.com Logout

Submitted forms

Submitted forms 5  
ICU Denom. 0  
NICU Denom. 0

Search

**+ Report new case** ← **Click to Report New Case of BSI / UTI**

From date to To date Apply filter

BSI & UTI Cases All units Export

Date of hospital admission	Date of event	Case ID	Patient name	Medical record number	Related case IDs
15th Aug 2017	30th Aug 2017	3.1.000012.BSI	Tanya Garg	3546534	0 case IDs Review requested
15th Aug 2017	30th Aug 2017	3.1.000013.BSI	Amit Sharma	132456	0 case IDs Review requested
14th Aug 2017	23rd Aug 2017	3.1.000008.BSI	Shubham Mishra	3256	0 case IDs Review requested
15th Aug 2017	19th Aug 2017	3.1.000015.UTI	Anisha Malhotra	1234	0 case IDs Review requested
9th Aug 2017	17th Aug 2017	3.1.000011.UTI	Parul Mahajan	3654365	0 case IDs Review requested
4th Sep 2017	14th Sep 2017	3.2.000002.BSI	Patient name here	2222222	0 case IDs

Developed by Codepenters





**DEMO**

DEO – CRF Entry



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# 4. How to enter Denominator Data?

# To view and enter ICU denominator data

Click here to view / enter Denominator Data of ICUs



**HAI Surveillance**

Submitted forms 4

**ICU Denom. 0**

NICU Denom. 0

### Denominator data: ICU

Select month ▼ 2017 ▼ All ICUs ▼ [+ Enter denominator data](#)

Unit type	Month	Patient days	Central line days
#1:Central (Medical/Surgical ICU)	Aug 2017	45	42
#2:Medicine (Medical ICU)	Jul 2017	100	50

# To Enter Denominator Data

**HAI Surveillance** Codepenters | deo@haisindia.com Logout

Submitted forms 4  
ICU Denom. 0  
NICU Denom. 0

### Denominator data: ICU

Select month 2017 All ICUs [+ Enter denominator data](#)

**Click to Enter New Denominator data**

Unit type	Month	Patient days	Central line days	Urinary catheter days
#1:Central (Medical/Surgical ICU)	Aug 2017	45	42	42
#2:Medicine (Medical ICU)	Jul 2017	100	50	10

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# Enter Denominator Data

To be entered once a month

Month

September  
2017

→ Select month & year

Surveillance unit

#1: Central (Medical/Surgical ICU)

→ Select surveillance unit

Patient days

# 31

→ Patient days

Central line days

# 22

→ Central Line days

Urinary catheter days

# 14

→ Urinary Catheter Days

Submit

Date	Number of Patients	Number of patients with $\geq 1$ central line	Number of patients with urinary catheter
1	5	2	2
2	2	1	1
3	8	5	2
4	5	2	2
5	2	1	1
6	8	5	2
7	5	2	2
8	2	1	1
9	8	5	2
10	5	2	2
11	2	1	1
12	8	5	2
13	5	2	2
14	2	1	1
15	8	5	2
16	5	2	2
17	2	1	1
18	8	5	2
19	5	2	2
20	2	1	1
21	8	5	2
22	5	2	2
23	2	1	1
24	8	5	2
25	5	2	2
26	2	1	1
27	8	5	2
28	5	2	2
29	2	1	1
30	8	5	2
31	5	2	2
Totals	31	22	14
	Patient-days:	Central-line days:	Urinary Catheter days:

↓  
Monthly totals to be entered in the software

**CODEPENTERS**  
DESIGN. DEVELOP. MARKET.

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# 5. Approve & Forward CRFs to AIIMS



# Surveillance Coordinator (PI) Panel

# How to access the hospital admin panel?

**Step 1:** Visit [www.haisindia.com/login](http://www.haisindia.com/login)

**Step 2:** Login credentials for the Surveillance coordinator training account:

- Email: [trainingadmin@haisindia.com](mailto:trainingadmin@haisindia.com)
- Password: 123456

# Go to Submitted forms

Click here



**HAI Surveillance**

- Dashboard
- BSI rate alert **New**
- UTI rate alert **New**
- Resistance alert **New**
- Submitted forms 27 20**
- ICU Denom. 6 2
- NICU Denom. 0
- BSI reports
- UTI reports
- Organism Distribution
- Rates Summary

Unit a

HAI Surv

30-12

**B**

WHO CDC

# List of forms that require action

**HAI Surveillance** Codepenters | hospadmin@haisindia.com Logout

Submitted forms

Submitted forms 12  
ICU Denom. 0  
NICU Denom. 2  
BSI reports  
UTI reports

Search

Awaiting approval View all CRFs Export

Date of hospital admission	Date of event	Case ID	Patient name	Medical record number	Related case IDs	Awaiting approval	Review requested
11th Aug 2017	18th Aug 2017	3.1.000002.BSI	Parul Mahajan	123456	3 case IDs	Awaiting approval	Review requested
9th Aug 2017	17th Aug 2017	3.1.000011.UTI	Parul Mahajan	3654365	0 case IDs	Awaiting approval	Review requested
5th Sep 2017	8th Sep 2017	3.2.000003.BSI	Swati Gupta	321654	0 case IDs	Awaiting approval	
5th Sep 2017	8th Sep 2017	3.2.000004.BSI	Swati Sharma	3543654	0 case IDs	Awaiting approval	
1st Sep 2017	4th Sep 2017	3.1.000017.UTI	Kunal Mahajan	1234856	0 case IDs	Awaiting approval	

Developed by Codepenters

➔ List of CRFs that require your action

# Take action

← Back

UTI Case report form | Case ID: 3.1.000017.UTI

Status: Awaiting approval

✓ Approve

↩ Send back to D.E.O.

← Review the CRF and **Approve** / **Send Back to D.E.O.**

## Basic details

Case ID

3.1.000017.UTI

Patient Name\*

Kunal Mahajan

Medical record no

1234856

Hospital name

Codepenters

Sex\*

Male  Female

Date of birth

21

5

1995

# Status messages

Date of entry	Case ID		Patient name	Medical record number	Related case IDs	Awaiting approval	Review requested
1 Aug 7	3.1.000008.BSI	!	Shubham Mishra	3256	0 case IDs	Awaiting approval	
1 Aug 7	3.1.000015.UTI		Anisha Malhotra	1234	0 case IDs	Sent back to D.E.O.	
1 Sep 7	3.2.000002.BSI		Patient name here	2222222	0 case IDs	Approved	
1 Sep 7	3.2.000003.BSI	!	Swati Gupta	321654	0 case IDs	Awaiting approval	

Awaiting approval

Sent back to

DEO Approved



**DEMO**

Approval System – PI Panel



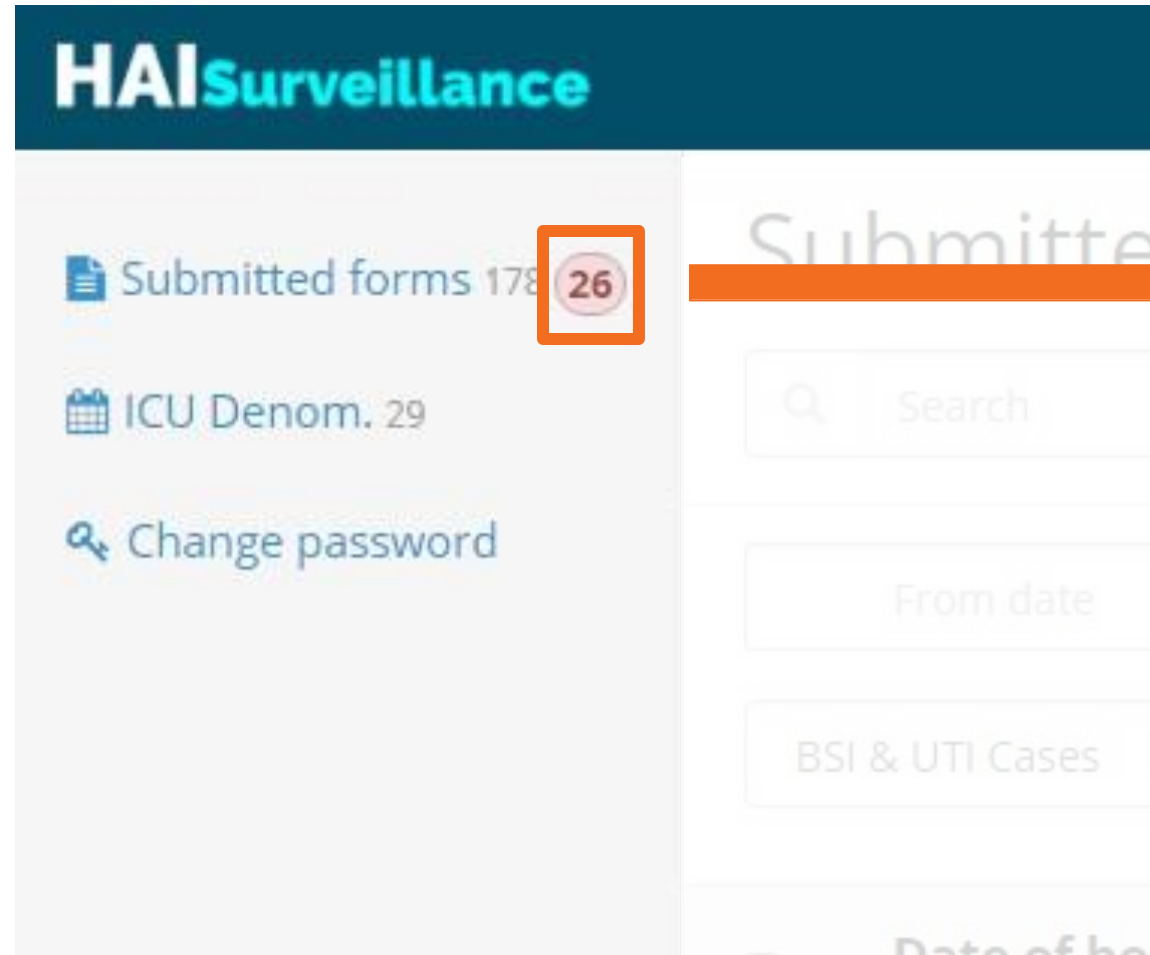
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# 6. Handling Review requests






# Notification count in Left navigation



Number of **pending** actions to be taken in this panel

*Your target should be to keep this number '0 (Zero)'*

# Review requests: Read comment


Case ID	Patient name	Medical record number	Related case IDs
3.1.000013.BSI	 Amit Sharma	132456	<a href="#">0 case IDs</a> <a href="#">Review requested</a>
3.1.000008.BSI	 Shubham Mishra	3256	<div data-bbox="851 582 1651 702" style="border: 2px solid orange; padding: 5px;"><p>Please check the central line site</p></div> <a href="#">Review requested</a>
3.1.000015.UTI	 Anisha Malhotra	1234	<a href="#">0 case IDs</a> <a href="#">Review requested</a>
3.1.000011.UTI	 Parul Mahajan	3654365	<a href="#">0 case IDs</a> <a href="#">Review requested</a>
3.2.000002.BSI	 Patient name here	2222222	<a href="#">0 case IDs</a>
3.1.000017.UTI	Kunal Mahajan	1234856	<a href="#">0 case IDs</a>







Click on review requested button to view the comment

*Works similarly for Denominator Data*

# Review requests: Update CRF

Click on the Case ID link to edit the form



<input type="checkbox"/> Date of hospital admission	Date of event	Case ID		Patient name	Medical record number	Related case IDs	
<input type="checkbox"/> 15th Aug 2017	30th Aug 2017	<a href="#">3.1.000012.BSI</a>		Tanya Garg	3546534	<a href="#">0 case IDs</a>	<a href="#">Review re</a>
<input type="checkbox"/> 15th Aug 2017	30th Aug 2017	<a href="#">3.1.000013.BSI</a>		Amit Sharma	132456	<a href="#">0 case IDs</a>	<a href="#">Review re</a>
<input type="checkbox"/> 14th Aug 2017	23rd Aug 2017	<a href="#">3.1.000008.BSI</a>		Shubham Mishra	3256	<a href="#">0 case IDs</a>	<a href="#">Review re</a>
<input type="checkbox"/> 15th Aug 2017	19th Aug 2017	<a href="#">3.1.000015.UTI</a>		Anisha Malhotra	1234	<a href="#">0 case IDs</a>	<a href="#">Review re</a>
<input type="checkbox"/> 9th Aug 2017	17th Aug 2017	<a href="#">3.1.000011.UTI</a>		Parul Mahajan	3654365	<a href="#">0 case IDs</a>	<a href="#">Review re</a>
<input type="checkbox"/> 4th Sep 2017	14th Sep 2017	<a href="#">3.2.000002.BSI</a>		Patient name here	2222222	<a href="#">0 case IDs</a>	










**Works similarly for Denominator Data**

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# 7. Updating Outcomes

# Icon for pending outcome

<input type="checkbox"/>	Date of hospital admission	Date of event	Case ID		Patient name	Medical record number	Related case IDs	
<input type="checkbox"/>	15th Aug 2017	30th Aug 2017	3.1.000013.BSI	 	Amit Sharma	132456	0 case IDs	Review requested
				Final outcome pending				
<input type="checkbox"/>	14th Aug 2017	23rd Aug 2017	3.1.000008.BSI	 	Shubham Mishra	3256	0 case IDs	Review requested
<input type="checkbox"/>	15th Aug 2017	19th Aug 2017	3.1.000015.UTI		Anisha Malhotra	1234	0 case IDs	Review requested
<input type="checkbox"/>	9th Aug 2017	17th Aug 2017	3.1.000011.UTI	 	Parul Mahajan	3654365	0 case IDs	Review requested
<input type="checkbox"/>	8th Aug 2017	13th Aug 2017	3.1.000005.BSI	 	Test 5	354653	0 case IDs	Review requested



Icon for pending outcome

# Update outcome after approval (Step 1)

**HAI Surveillance** Codep

Submitted forms 18  
ICU Denom. 0  
NICU Denom. 0

← Back

BSI Case report form | Case ID: 3.2.000002.BSI

Update final outcome

Click to update outcome after CRF approval

Basic details

Case ID	3.2.000002.BSI
Patient Name*	Tanya Sharma
Medical record no*	2222222
Hospital name*	Codepenters

Logos: WHO, CDC, and a hospital logo.



# Update outcome after approval (Step 2)

The screenshot shows a web application interface with a modal window open. The modal is titled "Final outcome for Case ID: 3.1.000001.BSI". It contains a form with the following fields:

- Patient outcome at end of hospitalization:** A group of radio buttons with options:  Discharged,  Transferred to other hospital,  LAMA,  Died, and  Unknown.
- Date of transfer, discharge, LAMA or death:** A text input field with a placeholder "DD-MM-YYYY".
- Update:** A green button at the bottom of the modal.

In the background, the main page shows a "BSI Case r" form with a "Back" button and a "17" notification. Below the modal, the "Basic details" section is visible, showing:

- Case ID: 3.1.000001.BSI
- Patient Name\*: Charu Gupta
- Medical record no\*: 123456

 **Update outcome**

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# 8. Deleting an entry

# Deleting an entry

From date  to  to date  Apply filter

BSI & UTI Cases  All units

**Delete** **Export**

Date of hospital admission	Date of event	Case ID	Patient name	Medical record number	Related case IDs	
15th Aug 2017	30th Aug 2017	3.1.000013.BSI	Amit Sharma	132456	0 case IDs	Review requested
15th Aug 2017	30th Aug 2017	3.1.000014.BSI	Shubham Mishra	3256	0 case IDs	Review requested
15th Aug 2017	19th Aug 2017	3.1.000015.UTI	Anisha Malhotra	1234	0 case IDs	Review requested
9th Aug 2017	17th Aug 2017	3.1.000011.UTI	Parul Mahajan	3654365	0 case IDs	Review requested
4th Sep 2017	14th Sep 2017	3.2.000002.BSI	Patient name here	2222222	0 case IDs	
1st Sep 2017	4th Sep 2017	3.1.000017.UTI	Kunal Mahajan	1234856	0 case IDs	

**Step 1:** Select the entry by clicking on the checkbox

**Step 2:** Click on delete

Works similarly across the application

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# 9. Reports

# To view BSI Reports

Click here to view BSI incidence rates & DUR



**HAI Surveillance**

- Submitted forms **9**
- ICU Denom. **0**
- NICU Denom. **2**
- BSI reports**
- UTI reports

Data by ICU type - BSI

Jul 2017 to Aug 2017 [Apply filter](#)

Surveillance unit #1 - Medical/Surgical

Time period	Patient days	Central line days
Jul 2017	0	0
Aug 2017	45	42

CLABSI vs DUR rate

RN

*Works similarly for UTI reports*

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# Thank you!

End of presentation