

Introduction to the SurgeSim Emergency Department Simulator

Jeffrey Michael Franc
MD, FCFP.EM, Dip Sport Med, EMDM

Medical Director, E/D Management
Alberta Health Services

Assistant Clinical Professor of Emergency Medicine
University of Alberta

Visiting Professor in Disaster Medicine
Universita' Degli Studi del Piemonte Orientale

Assistant: Manuela Verde, MD
Specialist in Anesthesia / Critical Care



Scenario

- Simulation of an Emergency department in a large hospital
- All necessary resources are available

Organization

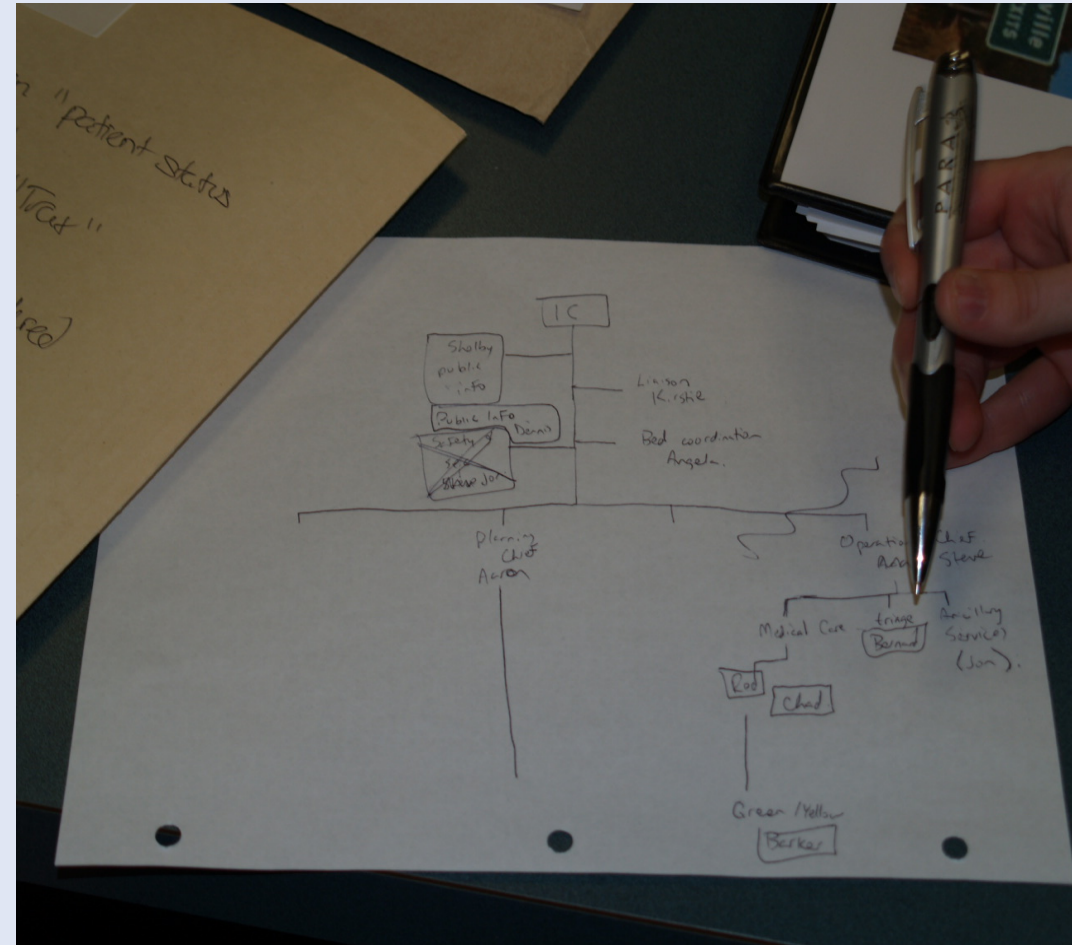
- The participants create the organization

☒ ICS?

☒ MIMMS?

☒ Other?

☒ Chaos?



Management of the Disaster

- A Hospital Disaster Plan is available

☒ Organization

☒ Triage

☒ Forms

☒ Job Actions
Sheets



Patients in the ED

- Some Patients already in the ED at the start of the simulation
- Some participants will have patients in the ED at the beginning of the simulation
- Each patient has a clinical chart
- Patients are in various phases of management



Clinical Chart



Patient #: 10007		Age: 37		Time:	
Triage Complaint: Right Hand Injury					
P 66	BP 148/78	RR 18	T 36.4	Sao2 96	GCG 15
Triage Code: CTAS:4		NATO:3		START:Green	
Triage Note: Punched another person's head. Now swelling over fifth metacarpal.					
Allergies: NONE		Medications: NONE		Tetanus Status: CURRENT	
Physician's Note: States punched another person in the head with right hand. Now swelling and pain in right hand. Past Medical History: non-contributory Social History: non-contributoru Examination: Swelling and tenderness over distal fifth metacarpal. No punctures, lacerations, deformity, or scissoring. Assessment: PLAN:					
Physician's Orders: <ul style="list-style-type: none"> ● Xray right hand. ● Hydromorphone 2mg PO 					
Consultations: 1. _____ 2. _____ 3. _____ 4. _____			Disposition: Time _____ <ul style="list-style-type: none"> ■ Discharge ■ Transfer ■ Operating Room ■ Admit ■ Morgue 		
Physician Name			Signature		

- Patients are managed as they would be in reality
- Each patient has an ED chart

Software

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

18:14 UTC
787:(Change)

Refresh | Select Area

Department Census All

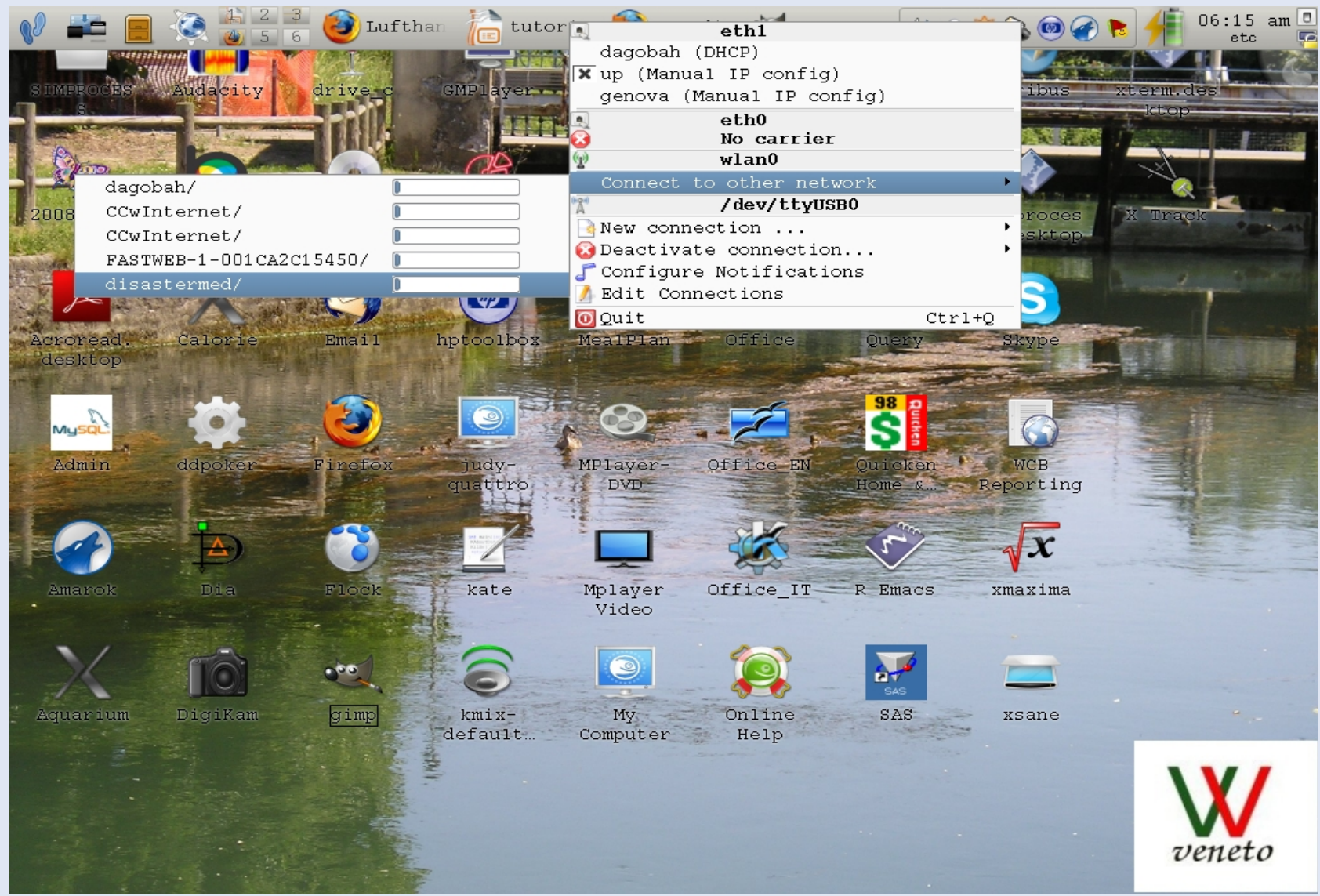
Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition	Number
10019	---	Green	26	G1	Green 2	08:25	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10019
19012	---	Green	38	G5	Green 2	08:30	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	19012
19014	---	Green	65	G7	Green 1	08:30	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	19014
10038	---	Green	75	Y1	Red 1	08:58	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10038
10022	---	Green	65	Y11	Red 2	09:05	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10022
19026	---	Green	8	P2	Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	19026
19020	---	Green	73	Y9	Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition	19020

Department Status | Department Map | Hospital Resources | Department Census | Triage ?

CMT/UTC: Mon 18:16 | Honolulu: Mon 08:16 | Edmonton: Mon 11:16 | Rome: Mon 19:16 | New York: Mon 13:16 | Done

- Mimics Emergency Department Tracking Software

Connect to Wireless network: 'SurgeSim'



SurgeSim Wireless Network

Choose Wireless: SurgeSim

Browser Address: <http://192.168.1.2>



Participant Login

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

Emergency Department#1
SurgeSim ED
V1.0

18:14 UTC
787:(Change)

Send Chat
View Chat
New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)
dino (16:25GMT)

Refresh Select Area

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition	Number
10019	----	C	26	G1	Green 2	08:25	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10019
19012	----	C	38	G5	Green 2	08:30	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	19012
19014	----	C	65	G7	Green 1	08:30	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	19014
10038	----	C	75	Y1	Red 1	08:58	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10038
10022	----	C	65	Y11	Red 2	09:05	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10022
19026	----	C	8	P2	Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	19026
19020	----	C	73	Y9	Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition	19020

Department Status Department Map Hospital Resources Department Census Triage ?

SurgeSim

Visual

**Triage
Screen**

**Census
Screen**

Triage

Enter from Triage Screen
Click on Patient Number for more information
Choose Triage Category then Click **Triage**

Assign
Room

Patient initially appears in Waiting Room (WR)
Click on **Room** to assign a new room

Assign
MD

Initially MD is "Unassigned"
Click on **MD** to assign an MD

History
Exam

Click on **History/Exam**
Choose a parameter and click **View Results**

Order
Tests

Click **Order**
Select the study
Click **Order**

Check
Lab/xray

Click **View**
Select the study
Click **View**

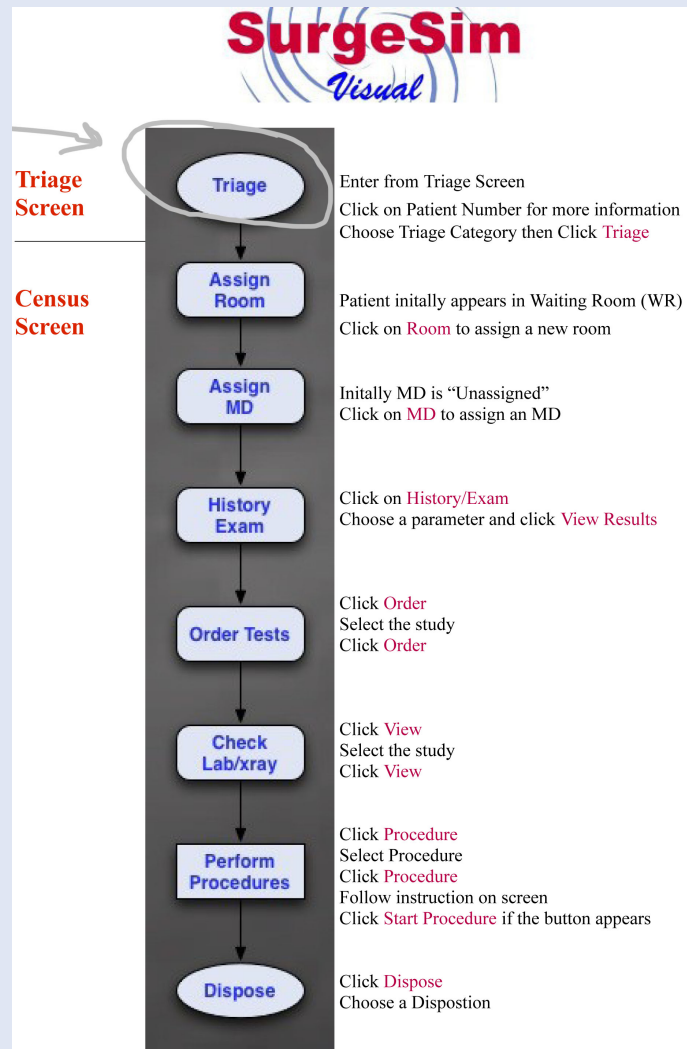
Perform
Procedures

Click **Procedure**
Select Procedure
Click **Procedure**
Follow instruction on screen
Click **Start Procedure** if the button appears

Dispose

Click **Dispose**
Choose a Disposition

Triage



- Click 'Triage' on the lower toolbar
- After Triage patients appear in the "Waiting Room" (WR)

Move to Triage screen

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

Emergency Department#1
SurgeSim ED
V1.0

18:14 UTC
787:(Change)

Send Chat
View Chat
New Chat Message

IC (10:13GMT)
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IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)
dino (16:25GMT)

Refresh Select Area

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition	Number
10019	----	C	26	G1	Green 2	08:25	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10019
19012	----	C	38	G5	Green 2	08:30	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	19012
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10038	----	C	75	Y1	Red 1	08:58	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10038
10022	----	C	65	Y11	Red 2	09:05	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	10022
19026	----	C	8	P2	Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition	19026
19020	----	C	73	Y9	Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition	19020

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Mon 18:23 Honolulu: Mon 08:23 Edmonton: Mon 11:23 Rome: Mon 19:23 New York: Mon 13:23 Done


Triage

SurgeSim: Patient_Arrivals

http://localhost/medstatstudio/surgesim/ed/run_time/patient_arrivals.html

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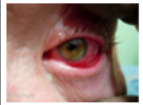

SurgeSim: Patient_Arrivals



SurgeSim: Triage

18:27

787 **Change**

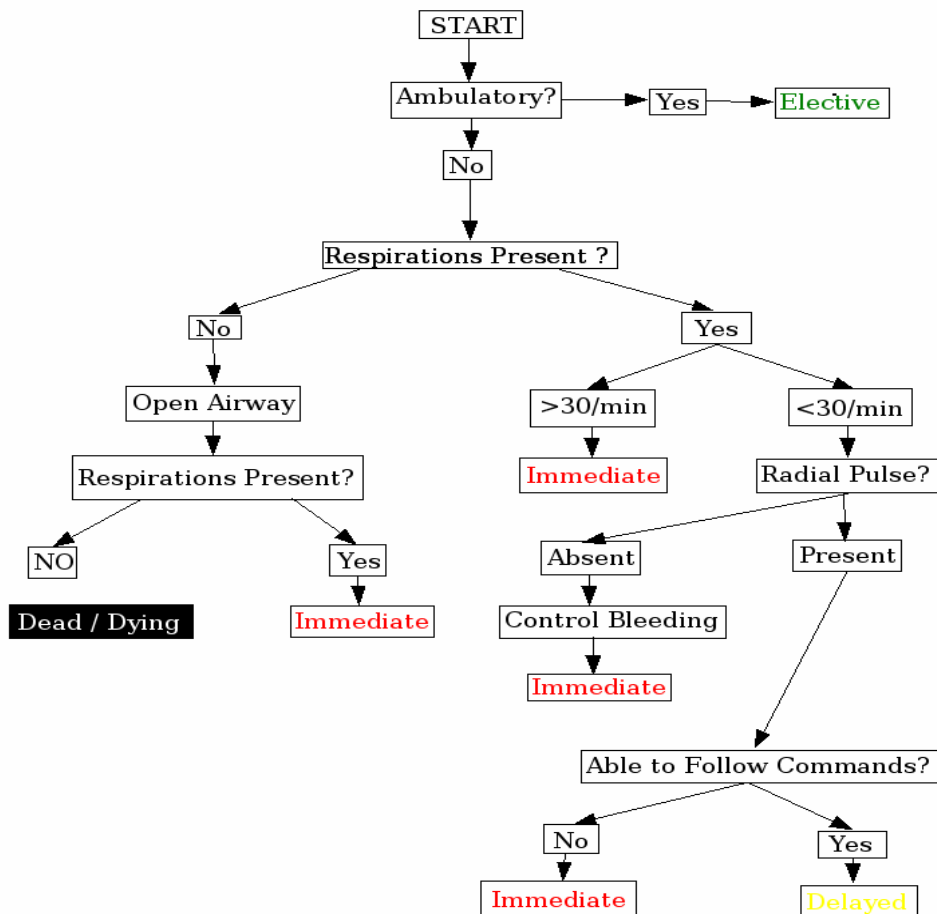
	Patient Number	Complaint	Age	General	Ambulatory?	Arrival Time	Triage	
	1002	Swelling Left Foot	57	Alert, oriented, no apparent distress, Unable to ambulate on left leg.	Yes	10:12	Red	Triage
	1009	Back Pain	40	Alert, oriented, no apparent distress, no obvious burns or respiratory distress	No	10:13	Red	Triage
	1004	Eye Complaint: Foreign Body	24	Alert, oriented, no apparent distress, complaining of right eye pain.	Yes	10:14	Red	Triage
	1025	Major Trauma: Blunt	30	Unresponsive, intubated.	No	10:18	Red	Triage

Department Census

GMT/UTC: Mon 18:28 Honolulu: Mon 08:28 Edmonton: Mon 11:28 Rome: Mon 19:28 New York: Mon 13:28 Done

Triage

Simple Triage and Rapid Assessment (START)



- Minimal information available on triage screen
- For further information click on the Patient

More information takes more time!

Triage Details

SurgeSim: Patient_Arrivals

http://localhost/medstatstudio/surgesim/ed/run_time/patient_arrivals.html

SurgeSim: Patient_Arrivals

SurgeSim

Visual

SurgeSim: Triage

18:33

787 Change

Patient Number	Complaint	Age	General	Ambulatory?	Arrival Time	Triage	
 1002	Swelling Left Foot	57	Alert, oriented, no apparent distress, Unable to ambulate on left leg.	Yes	10:12	Red	Triage
 1009	Back Pain	40	Alert, oriented, no apparent distress, no obvious burns or respiratory distress	No	10:13	Red	Triage
 1004	Eye Complaint: Foreign Body	24	Alert, oriented, no apparent distress, complaining of right eye pain.	Yes	10:14	Red	Triage
 1025	Major Trauma: Blunt	30	Unresponsive, intubated.	No	10:18	Red	Triage

Department Census

GMT/UTC: Mon 18:34  Honolulu: Mon 08:34  Edmonton: Mon 11:34  Rome: Mon 19:34  New York: Mon 13:34 Done

Triage Exam Screen

The screenshot shows a web browser window titled "SurgeSim: Patient Data" with the URL <http://localhost/medstatstudio/surgesim/ed/patie>. The page features the SurgeSim logo and the heading "Triage History/Exam". A patient number of 1002 is entered in a text box. A vertical menu on the left lists various history categories: Age, Complaint, Gender, Ambulatory?, Allergies, Medications, Vaccinations, Nursing History, and History. Below this menu is a "View Results" button. A dropdown menu is set to "Red" and a "Triage" button is visible. At the bottom, a navigation bar includes buttons for "History/Exam", "Procedure", "Order Lab/Xray", "View Lab/Xray", "Census", and "Triage". A photograph of a patient's arm is shown on the right side of the page. The browser's status bar at the bottom displays the time in GMT/UTC and other locations: Honolulu (08:36), Edmonton (11:36), Rome (19:36), and New York (13:36).

SurgeSim
Visual

Triage History/Exam

Patient Number

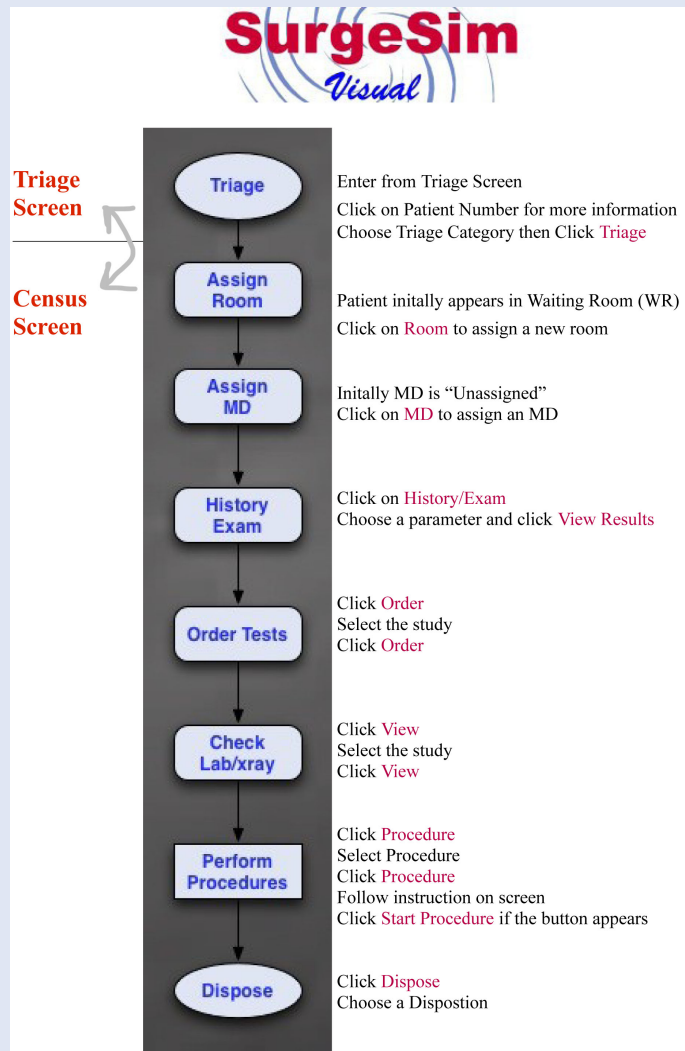
History

- Age
- Complaint
- Gender
- Ambulatory?
- Allergies
- Medications
- Vaccinations
- Nursing History
- History

Red

GMT/UTC: Mon 18:36 Honolulu: Mon 08:36 Edmonton: Mon 11:36 Rome: Mon 19:36 New York: Mon 13:36

Census Screen



- Return to census screen.
- Click on 'census' button on bottom toolbar

Move to Census Screen

SurgeSim
Visual

Triage History/Exam

Patient Number

History

- Age
- Complaint
- Gender
- Ambulatory?
- Allergies
- Medications
- Vaccinations
- Nursing History
- History

Red

GMT/UTC: Mon 18:50 Honolulu: Mon 08:50 Edmonton: Mon 11:50 Rome: Mon 19:50 New York: Mon 13:50 Done

Census Screen: Limiters

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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MedStatStudio: Index SurgeSim: Patient Tracking

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

20:36 UTC
787:(Change)

Send Chat
View Chat

New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)

Refresh

Select Area:Yellow
Select Area
Show All Patients
My Patients
Select Area:Red
Select Area:Green
Select Area:Yellow
Select Area:Peds
Select Area:FT
Select Area:WR
Select MD:dino
Select MD:1234
Select MD:787
Select MD:
Select MD:707

Department Census Yellow

Number	Alerts!	Triage	Age	Ro	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition	Number
1020	---	B	28	Y1	14:28	Multiple Abrasions	History/Exam	Order	View	Procedure	Disposition	1020
1076	---	R	20	Y8	10:39	Major Trauma: Intubated	History/Exam	Order	View	Procedure	Disposition	1076
1162	ALERT!	R	24	Y10	11:44	Major Trauma	History/Exam	Order	View	Procedure	Disposition	1162
10004	---	Y	54	Y7	08:55	Weakness left arm and leg	History/Exam	Order	View	Procedure	Disposition	10004
10010	---	G	47	Y6	08:10	Chest Pain	History/Exam	Order	View	Procedure	Disposition	10010
10017	---	G	64	Y2	09:10	Chest Pain	History/Exam	Order	View	Procedure	Disposition	10017

Department Status Department Map Hospital Resources Department Census Triage ?

Find: 1162 Next Previous Highlight all Match case

GMT/UTC: Tue 20:39 Honolulu: Tue 10:39 Edmonton: Tue 13:39 Rome: Tue 21:39 New York: Tue 15:39 Done

Changing Triage code

- Triage code can be changed at any time
- From the census screen click on the colored triage button
- Choose a new triage code
- Click the 'Change Triage' button

Change Triage Code

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

18:53 UTC
787:(Change)

Send Chat
View Chat

New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)

Refresh

Select Area

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
10019	----	C		G1	Green 2	08:25	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
19012	----	C	38	G5	Green 2	08:30	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
19014	----	G	65	G7	Green 1	08:30	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
10038	----	G	75	Y1	Red 1	08:58	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
10022	----	C	65	Y11	Red 2	09:05	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
19026	----	C	8	P2	Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Mon 18:53 Honolulu: Mon 08:53 Edmonton: Mon 11:53 Rome: Mon 19:53 New York: Mon 13:53 Done

Change Triage Code

The screenshot shows the SurgeSim Patient Tracking application. The main window displays the SurgeSim logo, the text "Emergency Department#1 SurgeSim ED V1.0", and the time "18:53 UTC" with a "787:(Change)" indicator. A table of patients is visible, with columns for triage code, patient number, name, current triage code, arrival time, and medical condition. A "Change Triage" dialog box is overlaid on the left, showing "Patient Number: 10024" and a dropdown menu currently set to "Red". Two grey arrows point to the dropdown menu and the "Change Triage" button. The dialog also includes an "Exit" button. The bottom of the screen shows a status bar with location and time information for various cities.

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

18:53 UTC
787:(Change)

Show All Patients

Triage Code	Patient Number	Name	Current Triage Code	Arrival Time	Medical Condition	History/Exam	Order	View	Procedure	Disposition
C	73	Y9	Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
Y	75	G2	Green 1	09:40	Acute Aphasia	History/Exam	Order	View	Procedure	Disposition
R	1	WR	Unassigned	10:15	Burns and Scalds	History/Exam	Order	View	Procedure	Disposition
C	49	WR	Unassigned	09:30	Cat Bite	History/Exam	Order	View	Procedure	Disposition
G	47	Y6	Red 1	08:10	Chest Pain	History/Exam	Order	View	Procedure	Disposition
Y	23	Y5	Red 1	08:55	Chest Pain	History/Exam	Order	View	Procedure	Disposition
G	64	Y3	Red 1	09:10	Chest Pain	History/Exam	Order	View	Procedure	Disposition
R	63	WR	Unassigned	09:39	Chest Pain	History/Exam	Order	View	Procedure	Disposition
Y	8	Y4	Red 1	09:21	Fever	History/Exam	Order	View	Procedure	Disposition

Change Triage

Patient Number: 10024

Red

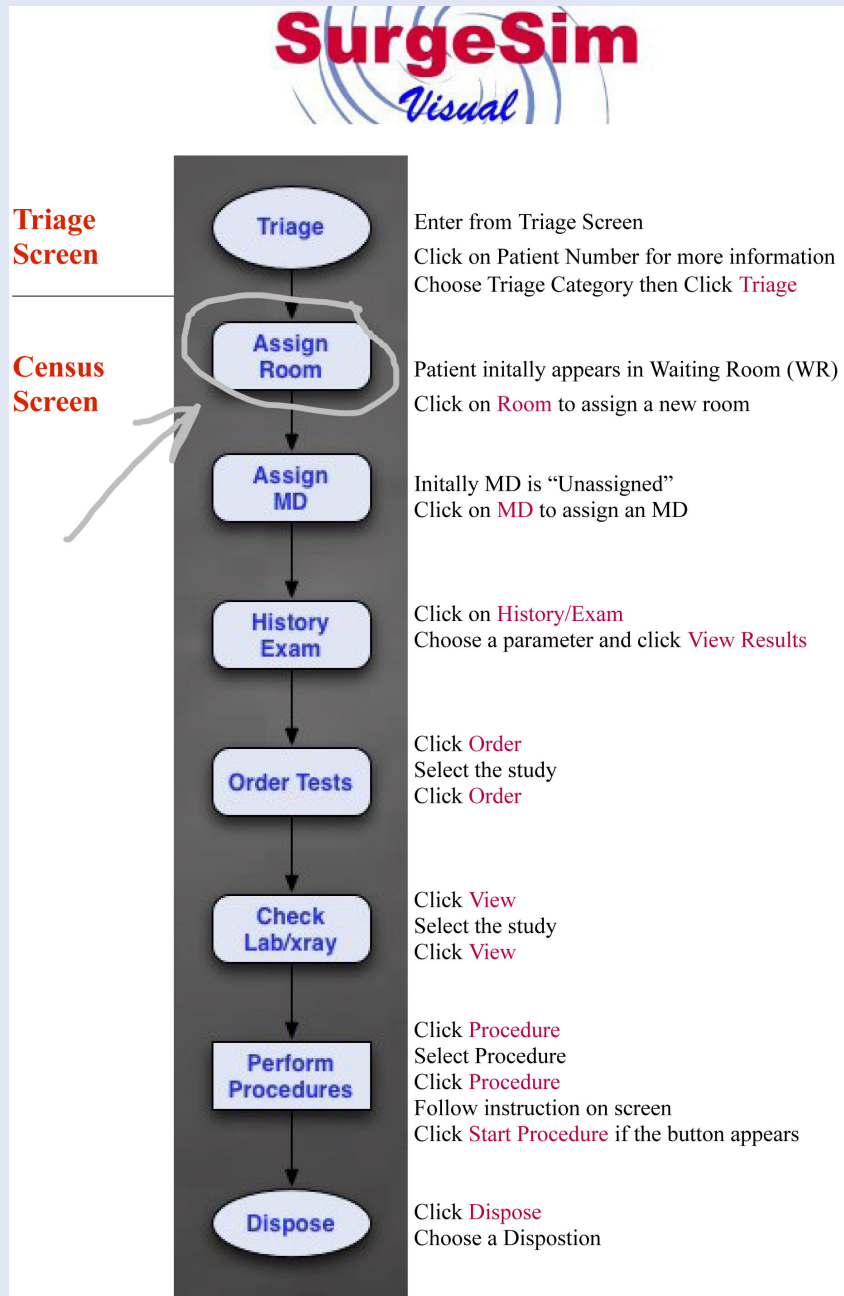
Change Triage

Exit

Department Map Hospital Resources Department Census Triage ?

Edmonton: Mon 11:57 Rome: Mon 19:57 New York: Mon 13:57 Done

Room Assignment



- After Triage patients appear in the waiting room '**WR**'!!!
- To assign a room click on the room button

Change Patient Room

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

18:30 UTC
787:(Change)

Send Chat
View Chat

New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)
dino (16:25GMT)

Refresh Select Area

Department Census

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedur
1003	----	R	34	WR	Unassigned	10:13	Pain Left Wrist	History/Exam	Order	View	Procedure
1005	----	R	1	WR	Unassigned	10:15	Burns and Scalds	History/Exam	Order	View	Procedure
1006	----	R	5	WR	Unassigned	10:16	Left wrist pain	History/Exam	Order	View	Procedure
1010	----	R	16	WR	Unassigned	10:17	Left elbow pain	History/Exam	Order	View	Procedure
1017	----	R	31	R1	dino	12:06	Major Trauma: Blunt	History/Exam	Order	View	Procedure
1020	----	B	28	Y12	Unassigned	14:28	Multiple Abrasions	History/Exam	Order	View	Procedure
1023	----	G	31	WR	Unassigned	10:26	Minor Trauma: Head injury	History/Exam	Order	View	Procedure

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 18:31 Honolulu: Tue 08:31 Edmonton: Tue 11:31 Rome: Tue 19:31 New York: Tue 13:31 Done

Change Patient Room

The screenshot shows the SurgeSim Patient Tracking application. The main window displays the 'Department Census' table, which lists patients with their assigned rooms, MDs, arrival times, and complaints. A 'Change Room' dialog box is open in the foreground, allowing the user to select a new room for patient 1010. The dialog box shows a list of available rooms: Decon1, Decon2, ENT1, F6, G3, G4, and G9. The current room is 'WR'. The 'Change Room' button is highlighted with a red arrow, and the 'Exit' button is also highlighted with a red arrow. The 'Department Census' table is partially visible in the background, showing columns for Room, MD, Arrival Time, Complaint, History/Exam, Order Lab/Xray, View Lab/Xray, and Procedure.

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

18:30 UTC
787:(Change)

Select Area

Change Room

Patient Number 1010

Room: WR

- Decon1
- Decon2
- ENT1
- F6
- G3
- G4
- G9

Change Room

Exit

Department Census

Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure
WR	Unassigned	10:13	Pain Left Wrist	History/Exam	Order	View	Procedure
WR	Unassigned	10:15	Burns and Scalds	History/Exam	Order	View	Procedure
WR	Unassigned	10:16	Left wrist pain	History/Exam	Order	View	Procedure
WR	Unassigned	10:17	Left elbow pain	History/Exam	Order	View	Procedure
R1	dino	12:06	Major Trauma: Blunt	History/Exam	Order	View	Procedure
Y12	Unassigned	14:28	Multiple Abrasions	History/Exam	Order	View	Procedure
WR	Unassigned	10:26	Minor Trauma: Head injury	History/Exam	Order	View	Procedure

Hospital Resources Department Census Triage ?

GMT/UTC: Tue 18:34 Rome: Tue 19:34 New York: Tue 13:34 Done

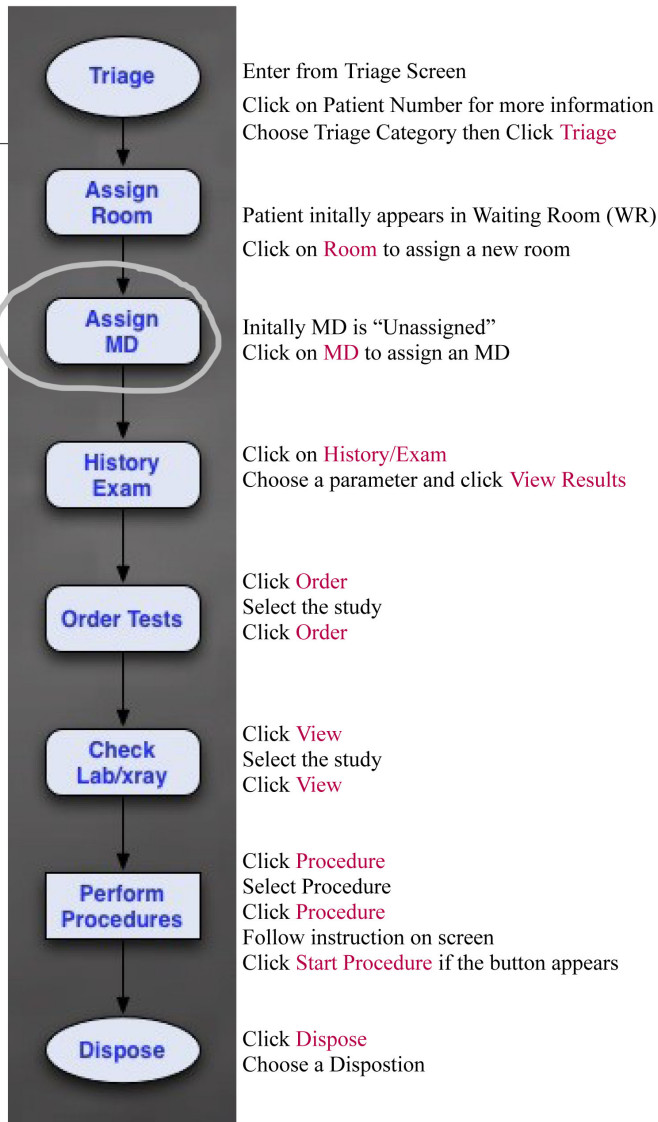
GMT/UTC: Tue 18:34 Honolulu: Tue 08:34 Edmonton: Tue 12:34

Assignment of an MD

SurgeSim Visual

Triage
Screen

Census
Screen



- Initially the MD is 'unassigned'
- Click on the 'MD' column to change the name

*Don't forget to assign your name
or others will start the same
patient!*

Change MD

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

18:30 UTC
787:(Change)

Send Chat
View Chat

New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)
dino (16:25GMT)

Refresh Select Area

Department Census

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure
1003	----	R	34	WR	Unassigned	10:13	Pain Left Wrist	History/Exam	Order	View	Procedure
1005	----	R	1	WR	Unassigned	10:15	Burns and Scalds	History/Exam	Order	View	Procedure
1006	----	R	57	WR	Unassigned	10:16	Left wrist pain	History/Exam	Order	View	Procedure
1010	----	R	16	WR	Unassigned	10:17	Left elbow pain	History/Exam	Order	View	Procedure
1017	----	R	31	R1	dino	10:06	Major Traums: Blunt	History/Exam	Order	View	Procedure
1020	----	B	28	Y12	Unassigned	10:28	Multiple Abrasions	History/Exam	Order	View	Procedure
1023	----	G	31	WR	Unassigned	10:26	Minor Trauma: Head injury	History/Exam	Order	View	Procedure

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 18:39 Honolulu: Tue 08:39 Edmonton: Tue 11:39 Rome: Tue 19:39 New York: Tue 13:39 Done

Change MD

The screenshot shows the SurgeSim Patient Tracking application. The main window displays the 'Department Census' table, which lists patient arrivals with columns for MD, Arrival Time, Complaint, History/Exam, Order Lab/Xray, View Lab/Xray, and Procedure. A 'Change MD' dialog box is open in the foreground, showing the current patient's assigned MD as 'Unassigned' and a list of available MDs: 1234, 707, 787, and dino. The 'Change MD' button is highlighted with a grey arrow pointing to it from the left, and another grey arrow points from the 'Change MD' button back to the 'MD' column of the table. The dialog box also has an 'Exit' button.

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

18:30 UTC
787:(Change)

Assigned MD
Patient Number: 1005
MD: Unassigned

1234
707
787
dino

Change MD
Exit

Department Census

MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure
Unassigned	10:13	Pain Left Wrist	History/Exam	Order	View	Procedure
Unassigned	10:15	Burns and Scalds	History/Exam	Order	View	Procedure
Unassigned	10:16	Left wrist pain	History/Exam	Order	View	Procedure
Unassigned	10:17	Left elbow pain	History/Exam	Order	View	Procedure
dino	12:06	Major Traums: Blunt	History/Exam	Order	View	Procedure
Unassigned	14:28	Multiple Abrasions	History/Exam	Order	View	Procedure
Unassigned	10:26	Minor Trauma: Head injury	History/Exam	Order	View	Procedure

Hospital Resources Department Census Triage ?

41 Rome: Tue 19:41 New York: Tue 13:41 Done

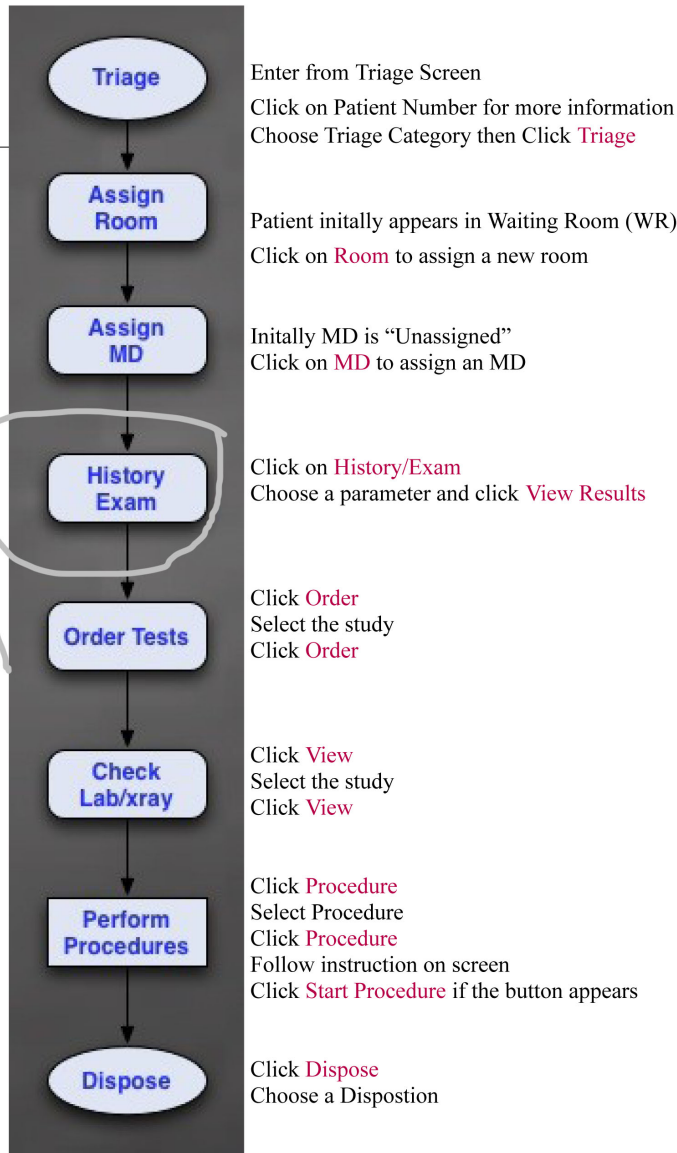
GMT/UTC: Tue 18:41 Honolulu: Tue 08:41 Edmonton: Tue 12:41

History / Exam

SurgeSim Visual

Triage
Screen

Census
Screen



- Click on the 'History/Exam' button
- Choose a parameter and click on 'View Results' - For Each Question!

More information takes more time!

History / Exam

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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MedStatStudio: Index SurgeSim: Patient Tracking

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

18:30 UTC
787:(Change)

Send Chat
View Chat

New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)
dino (16:25GMT)

Refresh Select Area

Department Census

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
1003	----	R	34	WR	Unassigned	10:13	Pain Left Wrist	History/Exam	Order	View	Procedure	Disposition
1005	----	R	1	WR	Unassigned	10:15	Burns and Scalds	History/Exam	Order	View	Procedure	Disposition
1006	----	R	57	WR	Unassigned	10:16	Left wrist pain	History/Exam	Order	View	Procedure	Disposition
1010	----	R	16	WR	Unassigned	10:17	Left elbow pain	History/Exam	Order	View	Procedure	Disposition
1017	----	R	31	R1	dino	12:06	Major Traums: Blunt	History/Exam	Order	View	Procedure	Disposition
1020	----	B	28	Y12	Unassigned	14:28	Multiple Abrasions	History/Exam	Order	View	Procedure	Disposition
1023	----	G	31	WR	Unassigned	10:26	Minor Trauma: Head injury	History/Exam	Order	View	Procedure	Disposition

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 18:44 Honolulu: Tue 08:44 Edmonton: Tue 11:44 Rome: Tue 19:44 New York: Tue 13:44 Done

History / Exam

SurgeSim: Patient Data

http://localhost/medstatstudio/surgesim/ed/patient_data/dataform_start.

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MedStatStudio: Index SurgeSim: Patient Data


SurgeSim Visual

Patient Number 1076

History/Exam

Patient Number

- Monitor
- History
- Age
- Complaint
- Gender
- Ambulatory?
- Allergies
- Medications
- Vaccinations
- Nursing History



Pulse	87
Blood Pressure	97/62
Respiratory Rate	0
Oxygen Saturation	99%
Temperature	35.1c

History/Exam Procedure Order Lab/Xray View Lab/Xray Census Triage

GMT/UTC: Tue 18:53 Honolulu: Tue 08:53 Edmonton: Tue 11:53 Rome: Tue 19:53 New York: Tue 13:53 Done

Return to Census

SurgeSim: Patient Data

http://localhost/medstatstudio/surgesim/ed/patient_data/dataform_start.

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MedStatStudio: Index SurgeSim: Patient Data


SurgeSim Visual

Patient Number 1076

History/Exam

Patient Number

- Monitor
- History
- Age
- Complaint
- Gender
- Ambulatory?
- Allergies
- Medications
- Vaccinations
- Nursing History



Pulse	87
Blood Pressure	97/62
Respiratory Rate	0
Oxygen Saturation	99%
Temperature	35.1c

GMT/UTC: Tue 18:57 Honolulu: Tue 08:57 Edmonton: Tue 11:57 Rome: Tue 19:57 New York: Tue 13:57 Done

Documentation

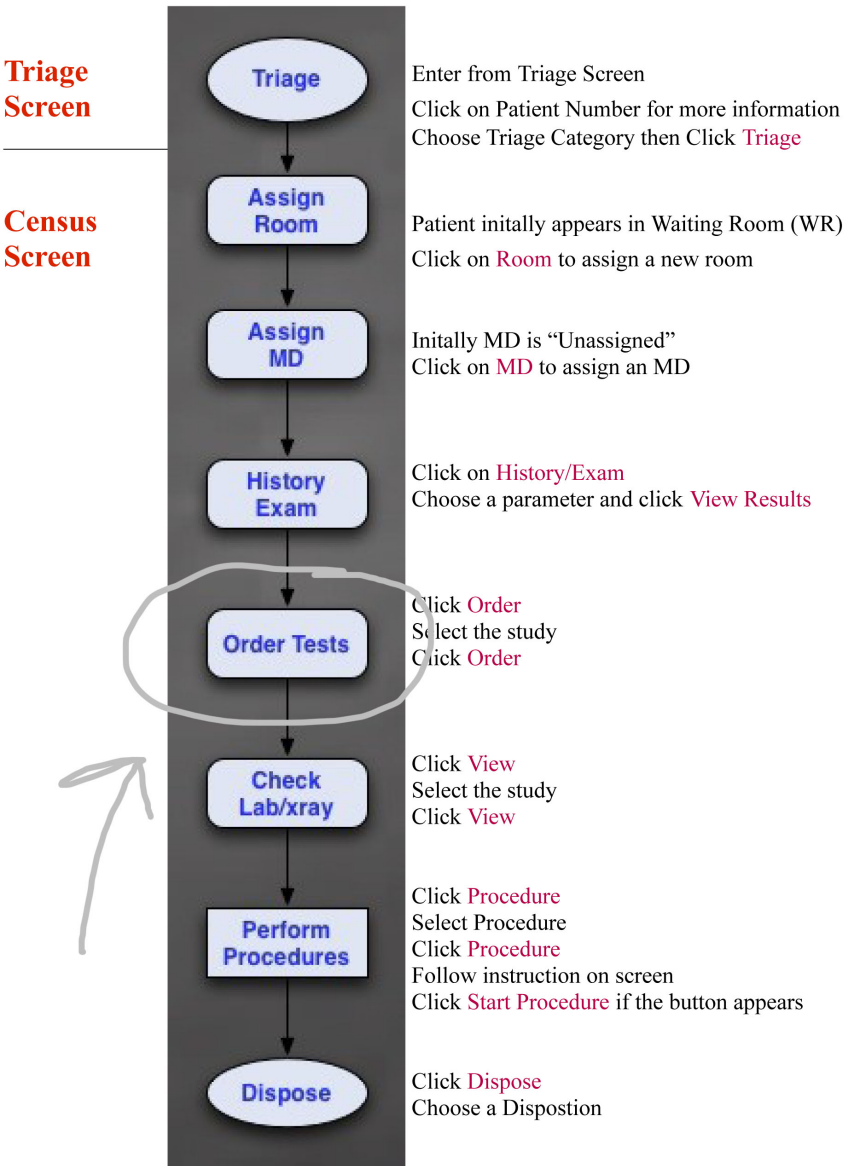
- All patients need a clinical chart!



SurgeSim
Visual

Laboratory / Radiology

SurgeSim Visual



- Click on the 'order' button
- Choose a test and click 'Order'

Laboratory / Radiology

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

Emergency Department#1
SurgeSim ED
V1.0

18:59 UTC
787:(Change)

Send Chat
View Chat
New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)

Refresh Select Area

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
1003	----	R	34	WR	Unassigned	10:13	Pain Left Wrist	History/Exam	Order	View	Procedure	Disposition
1005	----	R	1	WR	Unassigned	10:15	Burns and Scalds	History/Exam	Order	View	Procedure	Disposition
1006	----	R	57	WR	Unassigned	10:16	Left wrist pain	History/Exam	Order	View	Procedure	Disposition
1010	----	R	16	WR	Unassigned	10:17	Left elbow pain	History/Exam	Order	View	Procedure	Disposition
1017	----	R	31	R1	dino	12:06	Major Traums: Blunt	History/Exam	Order	View	Procedure	Disposition
1020	----	B	28	Y12	Unassigned	14:28	Multiple Abrasions	History/Exam	Order	View	Procedure	Disposition

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 18:59 Honolulu: Tue 08:59 Edmonton: Tue 11:59 Rome: Tue 19:59 New York: Tue 13:59 Done

Laboratory / Radiology

The screenshot shows a web browser window titled "SurgeSim: Xray Requisitions". The address bar shows the URL "http://localhost/medstatstudio/surgesim/ed/xview/xrequest_sti". The browser's address bar includes navigation buttons (back, forward, refresh, home) and a search engine (Google). The browser's tab bar shows two tabs: "MedStatStudio: Index" and "SurgeSim: Xray Requisitions".

The main content area of the browser displays the SurgeSim logo, which includes the text "SurgeSim" in red and "Visual" in blue script. Below the logo, the text "Order Lab/Xray" is displayed in large red font. Underneath, the text "Exam in Red Previously Ordered" is shown in blue. A "Patient Number" field contains the value "1003".

A list of lab tests is displayed in a scrollable box, with the following items listed in red text: "CBC, Electrolytes", "Troponin I", "Liver Function Tests", "ETOH", and "HCG". A large grey arrow points from the "Order Lab/Xray" text to this list. Below the list is an "Order" button, with another grey arrow pointing to it.

At the bottom of the page, there is a navigation bar with several buttons: "History/Exam", "Procedure", "Order Lab/Xray", "View Lab/Xray", "Census", and "Triage". A grey arrow points to the "Order Lab/Xray" button.

The browser's status bar at the bottom shows the time and date for various locations: "GMT/UTC: Tue 19:03", "Honolulu: Tue 09:03", "Edmonton: Tue 12:03", "Rome: Tue 20:03", and "New York: Tue 14:03". The status bar also includes a "Done" button and a small icon.

Laboratory Radiology

The screenshot shows a web browser window titled "SurgeSim: Xray Requisitions". The address bar contains the URL "http://localhost/medstatstudio/surgesim/ed/xview/xrequest_sti". The browser's navigation bar includes "Most Visited", "Getting Started", "Latest Headlines", "EPL", "GARZANTI", "MEDLINE", "WCB", "eBooks", "Dailymotion", and "YouTube". The page content features the "SurgeSim Visual" logo, a main heading "Order Lab/Xray", and a note "Exam in Red Previously Ordered". A "Patient Number" field is set to "1003". A list of lab tests is shown: "CBC, Electrolytes", "Troponin I", "Liver Function Tests", "ETOH", and "HCG". Below this is an "Order" button. At the bottom, a navigation menu includes "History/Exam", "Procedure", "Order Lab/Xray", "View Lab/Xray", "Census", and "Triage". The "Census" tab is circled in grey with an arrow pointing to it from the right. The footer displays time zones: "GMT/UTC: Tue 19:43", "Honolulu: Tue 09:43", "Edmonton: Tue 12:43", "Rome: Tue 20:43", "New York: Tue 14:43", and "Done".

SurgeSim
Visual

Order Lab/Xray

Exam in Red Previously Ordered

Patient Number

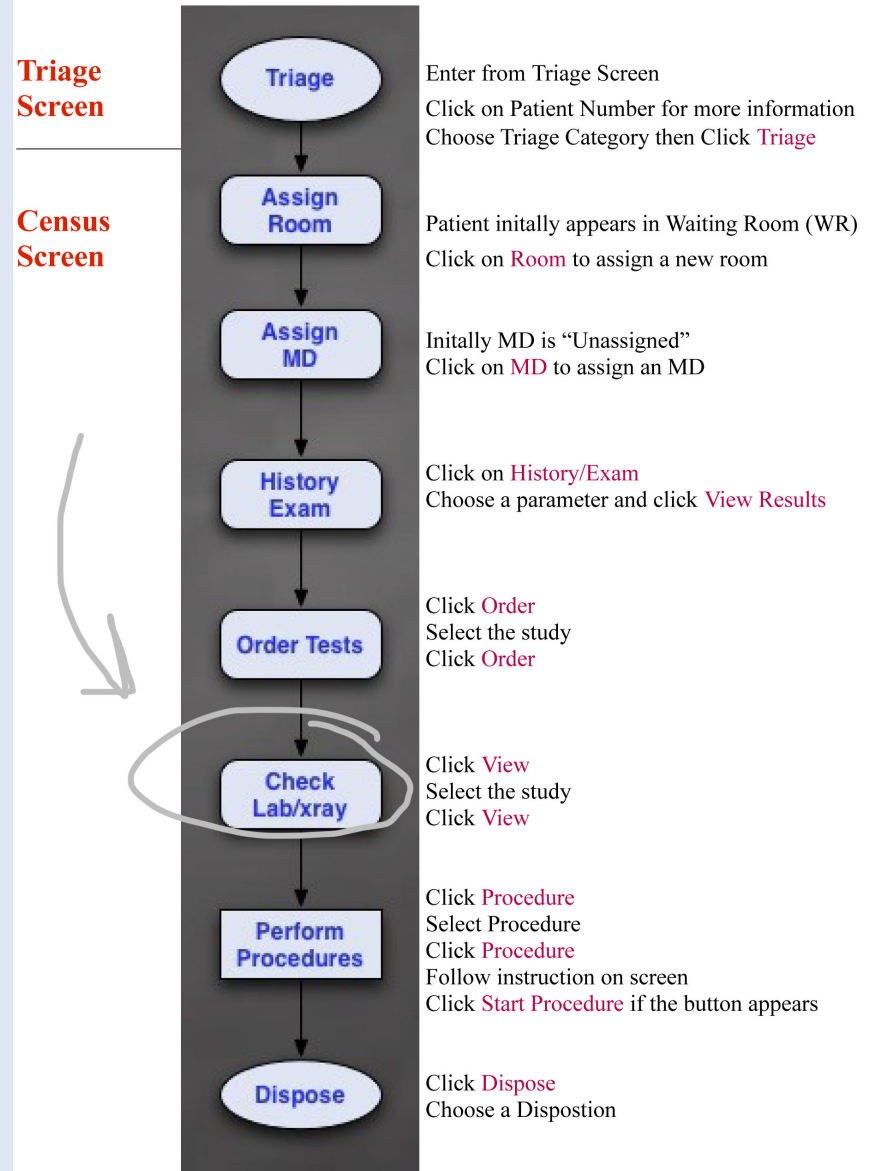
- CBC, Electrolytes
- Troponin I
- Liver Function Tests
- ETOH
- HCG

Order

History/Exam Procedure Order Lab/Xray View Lab/Xray **Census** Triage

GMT/UTC: Tue 19:43 Honolulu: Tue 09:43 Edmonton: Tue 12:43 Rome: Tue 20:43 New York: Tue 14:43 Done

Laboratory / Exam Results



- There is a delay before results are available
- Click on 'View'
- Choose a study and click on 'View Results'

Laboratory / Exam Results

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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MedStatStudio: Index SurgeSim: Patient Tracking

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

19:48 UTC
787:(Change)

Refresh Select Area

New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)
dino (16:25GMT)

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
1003	----	R	34	WR	Unassigned	10:13	Pain Left Wrist	History/Exam	Order	View	Procedure	Disposition
1005	----	R	1	WR	Unassigned	10:15	Burns and Scalds	History/Exam	Order	View	Procedure	Disposition
1006	----	R	57	WR	Unassigned	10:16	Left wrist pain	History/Exam	Order	View	Procedure	Disposition
1010	----	R	16	WR	Unassigned	10:17	Left elbow pain	History/Exam	Order	View	Procedure	Disposition
1017	----	R	31	R1	dino	12:06	Major Traums: Blunt	History/Exam	Order	View	Procedure	Disposition
1020	----	B	28	Y12	Unassigned	14:28	Multiple Abrasions	History/Exam	Order	View	Procedure	Disposition
1023	----	G	31	WR	Unassigned	10:26	Minor Trauma: Head injury	History/Exam	Order	View	Procedure	Disposition

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 19:52 Honolulu: Tue 09:52 Edmonton: Tue 12:52 Rome: Tue 20:52 New York: Tue 14:52 Done

Laboratory / Exam Results

SurgeSim: Xray Viewer

http://localhost/medstatstudio/surgesim/ed/xview/xview_start.php?pn

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MedStatStudio: Index SurgeSim: Xray Viewer

SurgeSim

Visual

View Lab/Xray

Green: Available
Yellow: Pending

Patient Number:

click on image for zoom



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W 941 - L 470

History/Exam Procedure Order Lab/Xray View Lab/Xray Census Triage

GMT/UTC: Tue 19:56 Honolulu: Tue 09:56 Edmonton: Tue 12:56 Rome: Tue 20:56 New York: Tue 14:56 Done

Laboratory / Exam Results

SurgeSim: Xray Viewer

http://localhost/medstatstudio/surgesim/ed/xview/xview_start.php?pn

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MedStatStudio: Index SurgeSim: Xray Viewer

SurgeSim

Visual

SurgeSim
Patient Number 10035 Hand_Left_Lateral

View Lab/Xray

Green: Available
Yellow: Pending

Patient Number:

Hand Left PA
Hand Left Lateral



click on image for zoom

History/Exam Procedure Order Lab/Xray View Lab/Xray **Census** Triage

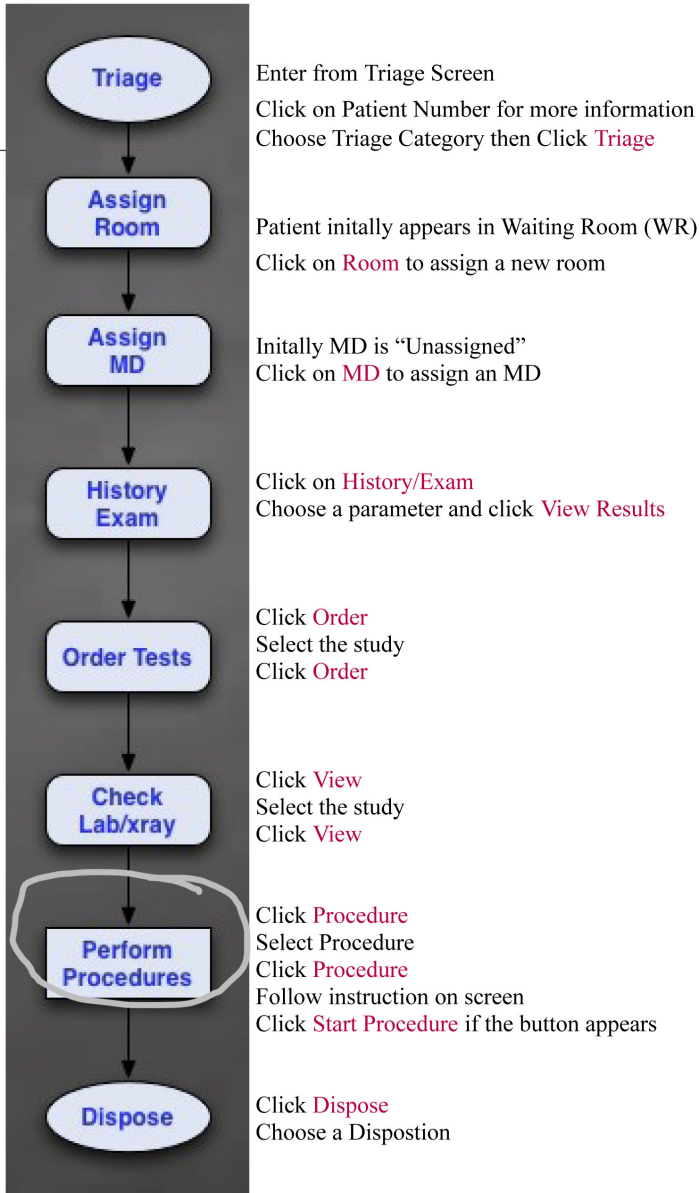
GMT/UTC: Tue 19:58 Honolulu: Tue 09:58 Edmonton: Tue 12:58 Rome: Tue 20:58 New York: Tue 14:58 Done

Procedures

SurgeSim Visual

Triage
Screen

Census
Screen



- Click 'Procedure'
- Choose a procedure and click 'Procedure'

Procedures

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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MedStatStudio: Index SurgeSim: Patient Tracking

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

20:02 UTC
787:(Change)

Send Chat
View Chat

New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)

Refresh Show All Patients

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
19020	----	G	73	Y9	Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
10035	----	G	38	F4	Green 2	09:16	Injury Right Hand	History/Exam	Order	View	Procedure	Disposition
19026	----	G	8	P2	Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
18001	----	Y	8	P4	Peds 1	09:21	Fever	History/Exam	Order	View	Procedure	Disposition
10020	----	G	55	R3	Unassigned	09:25	Palpitations/Irregular Heart Rate	History/Exam	Order	View	Procedure	Disposition
10015	----	G	57	F3	Green 1	09:25	Laceration Right Foot	History/Exam	Order	View	Procedure	Disposition

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 20:02 Honolulu: Tue 10:02 Edmonton: Tue 13:02 Rome: Tue 21:02 New York: Tue 15:02 Done

Procedures

The screenshot shows a web browser window titled "SurgeSim: Procedures" with the URL <http://localhost/medstatstudio/surge>. The browser's address bar includes navigation buttons and a search engine (Google). The page content features the "SurgeSim Visual" logo at the top. Below the logo, the heading "SurgeSim: Procedure" is displayed in red. A "Patient Number:" label is followed by a text input field containing "19020". A vertical list of procedure categories is shown on the left, including "CPR", "Monitor", "Airway", "Oxygen", "Bipap / NIMV", "Intubation", "Extubation", "Breathing", "Needle Decompression", and "Chest Tube". A "Procedure" button is located below this list. At the bottom of the page, a navigation bar contains buttons for "History/Exam", "Procedure", "Order Lab/Xray", "View Lab/Xray", "Census", and "Triage". A status bar at the very bottom displays the time in GMT/UTC and for various cities: Honolulu, Edmonton, Rome, and New York. Two large grey arrows point to the "Airway" category and the "Procedure" button.

SurgeSim
Visual

SurgeSim: Procedure

Patient Number:

- CPR
- Monitor
- Airway
- Oxygen
- Bipap / NIMV
- Intubation
- Extubation
- Breathing
- Needle Decompression
- Chest Tube

Procedure

History/Exam | Procedure | Order Lab/Xray | View Lab/Xray | Census | Triage

GMT/UTC: Tue 20:04 Honolulu: Tue 10:04 Edmonton: Tue 13:04 Rome: Tue 21:04 New York: Tue

Procedure Delays

- Procedure delays = 'Real Time'
- Click 'Start Procedure' Immediately to start the time
- During the Delay...
 - ☒ Respond to the questions
 - ☒ You may NOT do anything else
 - You cannot complete your charting
 - You cannot manage another patient
 - You cannot consult with your colleagues

Procedures

Mozilla Firefox

http://localhost/medstatstudio/surgesim/ed/patient_data/disastern

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MedStatStudio: Index http://localhos..._procedures.php

SurgeSim

Visual

Click timer NOW(Time to Complete Procedure 174 sec)

167 Start Procedure

Patient Number: 19020

MD: 787

Procedure: Intubation

Describe in detail how you will intubate the patient including: medications, preperation, equipment, tube placement,and after intubation care.

Do NOT Press Submit or Move on to any Other Tasks Until Timer Reaches Zero

Submit

Abort Procedure

GMT/UTC: Tue 20:07 Honolulu: Tue 10:07 Edmonton: Tue 13:07 Rome: Tue 21:07 New York: Tue 15:07 Done

Procedure Delays

- Do not click 'submit' until timer reaches zero
- If you must stop the procedure click 'Abort Procedure'

Procedures

SurgeSim: Procedures

http://localhost/medstatstudio/surgesim/ed/patient_data/pr

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MedStatStudio: Index SurgeSim: Procedures

SurgeSim Visual

SurgeSim: Procedure

Patient Number: 19020

- CPR
- Monitor
- Airway
 - Oxygen
 - Bipap / NIMV
 - Intubation
 - Extubation
- Breathing
 - Needle Decompression
 - Chest Tube

Procedure

History/Exam Procedure Order Lab/Xray View Lab/Xray **Census** Triage

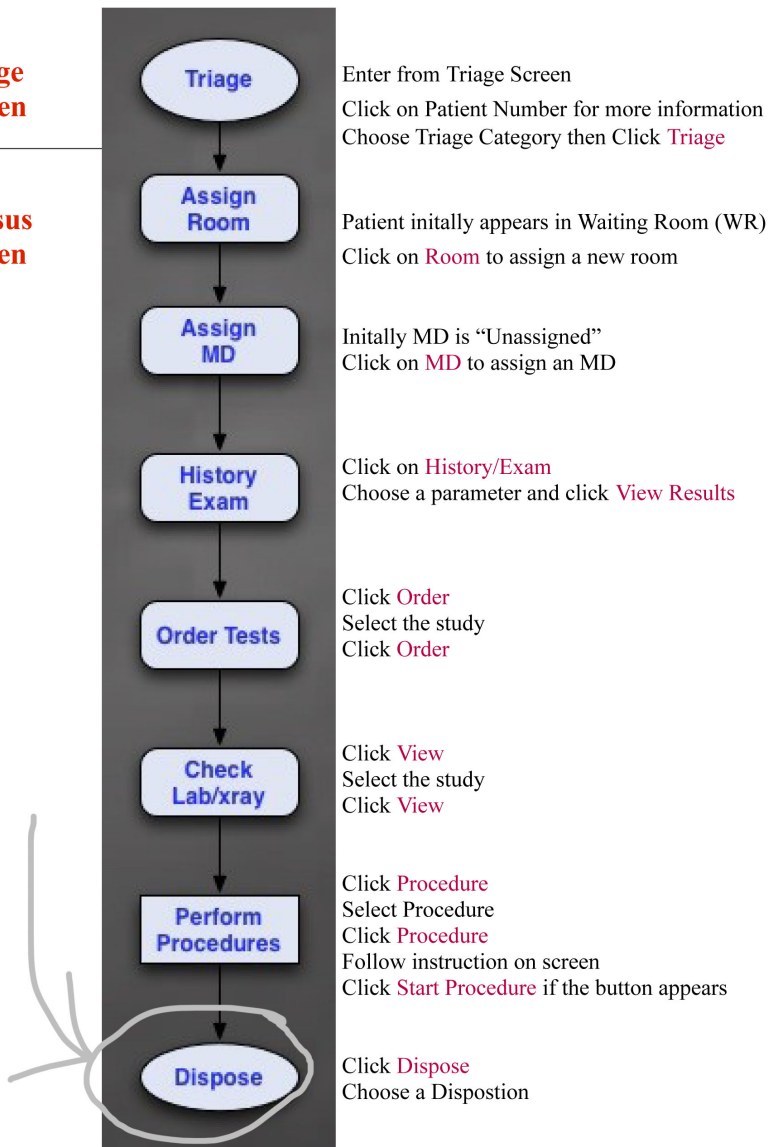
GMT/UTC: Tue 20:10 Honolulu: Tue 10:10 Edmonton: Tue 13:10 Rome: Tue 21:10 New York: Tue 15:10 Done

Disposition

SurgeSim Visual

Triage
Screen

Census
Screen



- Admission
- Discharge
- Operating Room
- Morgue
- ICU

Assume that patients can be admitted or go to OR without consultation!

Disposition

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

20:13 UTC
787:(Change)

Send Chat
View Chat
New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)

Refresh

Select Area

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
19020	----	G	73	Y9	Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
10035	----	G	38	F4	Green 2	09:16	Injury Right Hand	History/Exam	Order	View	Procedure	Disposition
19026	----	G	8	P2	Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
18001	----	Y	8	P4	Peds 1	09:21	Fever	History/Exam	Order	View	Procedure	Disposition
10020	----	G	55	R3	Unassigned	09:25	Palpitations/Irregular Heart Rate	History/Exam	Order	View	Procedure	Disposition
10015	----	G	57	F3	Green 1	09:25	Laceration Right Foot	History/Exam	Order	View	Procedure	Disposition

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 20:13 Honolulu: Tue 10:13 Edmonton: Tue 13:13 Rome: Tue 21:13 New York: Tue 15:13 Done

Disposition

The screenshot displays the SurgeSim Patient Tracking interface. At the top, the browser address bar shows the URL `http://localhost/medstatstudio/surgesim/ed/pts/pts.html`. The page header includes "Emergency Department#1 SurgeSim ED V1.0" on the left, the "SurgeSim Visual" logo in the center, and "20:13 UTC" and "787:(Change)" on the right.

A "Change Disposition" dialog box is open, showing a dropdown menu for "Disposition" with the following options:

- Discharge
- Surgery Ward West (4 Rooms Available)
- Surgery Ward East (3 Rooms Available)
- Medicine West (2 Rooms Available)
- Operating Room (3 Rooms Available)**
- Cardiac Care Unit (1 Rooms Available)
- Family Medicine Ward (2 Rooms Available)
- Intensive Care Unit (2 Rooms Available)
- Pediatrics (4 Rooms Available)
- Morgue

The "Department Census All" table is visible in the background, with the following data:

ID	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
2	09:16	Injury Right Hand	History/Exam	Order	View	Procedure	Disposition
	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
	09:21	Fever	History/Exam	Order	View	Procedure	Disposition
igned	09:25	Palpitations/Irregular Heart Rate	History/Exam	Order	View	Procedure	Disposition
1	09:25	Laceration Right Foot	History/Exam	Order	View	Procedure	Disposition

At the bottom of the interface, there are buttons for "Hospital Resources", "Department Census", and "Triage". The system status bar at the very bottom shows "GMT/UTC: Tue 20:16" and other location-specific times.

Disposition

The screenshot displays the SurgeSim Patient Tracking interface. At the top, the browser address bar shows the URL `http://localhost/medstatstudio/surgesim/ed/pts/pts.html`. The main header includes "Emergency Department#1 SurgeSim ED V1.0" on the left, the "SurgeSim Visual" logo in the center, and "20:13 UTC" and "787:(Change)" on the right. A "SurgeSim: Change Disposition" dialog box is open in the foreground, showing "Patient Number: 10035" and a dropdown menu set to "Cardiac Care Unit (1 Rooms Available)". The dialog has "Disposition" and "Exit" buttons, with a grey arrow pointing to the "Disposition" button. In the background, the "Department Census All" table is visible, listing patient arrivals with columns for Arrival Time, Complaint, History/Exam, Order Lab/Xray, View Lab/Xray, Procedure, and Disposition. The table contains six rows of patient data. At the bottom of the interface, there are buttons for "Hospital Resources", "Department Census", and "Triage", along with a status bar showing time zones: "GMT/UTC: Tue 20:20", "Honolulu: Tue 10:20", "Edmonton: Tue 13:20", and "Rome: Tue 21:20".

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

20:13 UTC
787:(Change)

SurgeSim: Change Disposition
`http://localhost/medstatstudio/surgesim/ed/pts/change_dispo.php?i`

Disposition
Patient Number: 10035
Cardiac Care Unit (1 Rooms Available)

Disposition
Exit




Department Census All

	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
	09:16	Injury Right Hand	History/Exam	Order	View	Procedure	Disposition
	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
	09:21	Fever	History/Exam	Order	View	Procedure	Disposition
igned	09:25	Palpitations/Irregular Heart Rate	History/Exam	Order	View	Procedure	Disposition
1	09:25	Laceration Right Foot	History/Exam	Order	View	Procedure	Disposition

Hospital Resources Department Census Triage ?

GMT/UTC: Tue 20:20 Honolulu: Tue 10:20 Edmonton: Tue 13:20 Rome: Tue 21:20

Inferior Toolbar

- Other information:
 -  Department Status
 -  Department Map
 -  Hospital Resources

Toolbar

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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MedStatStudio: Index SurgeSim: Patient Tracking

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

20:13 UTC
787:(Change)

Send Chat
View Chat

New Chat Message

IC (10:13GMT)
IC (10:13GMT)
IC (10:20GMT)
IC (11:04GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
IC (10:55GMT)
ic (05:45GMT)

Refresh Select Area

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
19020	----	C	73	Y9	Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
10035	----	C	38	F4	Green 2	09:16	Injury Right Hand	History/Exam	Order	View	Procedure	Disposition
19026	----	C	8	P2	Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
18001	----	Y	8	P4	Peds 1	09:21	Fever	History/Exam	Order	View	Procedure	Disposition
10020	----	C	55	R3	Unassigned	09:25	Palpitations/Irregular Heart Rate	History/Exam	Order	View	Procedure	Disposition
10015	----	C	57	F3	Green 1	09:25	Laceration Right Foot	History/Exam	Order	View	Procedure	Disposition

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 20:23 Honolulu: Tue 10:23 Edmonton: Tue 13:23 Rome: Tue 21:23 New York: Tue 15:23 Done

Department Status

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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MedStatStudio: Index SurgeSim: Patient Tracking

SurgeSim: Hospital Resources

http://localhost/medstatstudio/surgesim/ed/pts/map.php

SurgeSim 20:13 UTC
787:(Change)

Select Area

Department Census

Refresh Exit

Area	Bed	Patient Number
FT	Decon1	
FT	Decon2	
FT	ENT1	
FT	ENT2	19008
FT	F1	10007
FT	F2	19010
FT	F3	10015
FT	F4	10035
FT	F5	10023
FT	F6	
Green	G1	10019
Green	G10	10020

Department Census All

MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
Green 2	09:16	Injury Right Hand	History/Exam	Order	View	Procedure	Disposition
Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
Peds 1	09:21	Fever	History/Exam	Order	View	Procedure	Disposition
Unassigned	09:25	Palpitations/Irregular Heart Rate	History/Exam	Order	View	Procedure	Disposition
Green 1	09:25	Laceration Right Foot	History/Exam	Order	View	Procedure	Disposition

Hospital Resources Department Census Triage ?

Rome: Tue 21:25 New York: Tue 15:25 Done

GMT/UTC: Tue 20:25 Honolulu: Tue 10:25 Edmonton: Tue 13:25 Rome: ?

Hospital Resources

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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MedStatStudio: Index SurgeSim: Patient Tracking

Hospital Resources

Area	Available
Surgery Ward West	4
Surgery Ward East	3
Medicine West	2
Medicine East	0
Operating Room	3
Cardiac Care Unit	1
Family Medicine Ward	2
Intensive Care Unit	2
Pediatrics	4

Department Census

Total Beds	Occupied	Available
45	35	10

20:13 UTC

787:(Change)

lect Area

Department Census All

MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
Green 2	09:16	Injury Right Hand	History/Exam	Order	View	Procedure	Disposition
Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
Peds 1	09:21	Fever	History/Exam	Order	View	Procedure	Disposition
Unassigned	09:25	Palpitations/Irregular Heart Rate	History/Exam	Order	View	Procedure	Disposition
Green 1	09:25	Laceration Right Foot	History/Exam	Order	View	Procedure	Disposition

Rome: Tue 21:27 New York: Tue 15:27 Done

GMT/UTC: Tue 20:27 Honolulu: Tue 10:27 Edmonton: Tue 13:27 Rome: Tue 20:27

Chat Column

- Important messages appear under the 'Chat' column
- Click on the message button to read
- New messages at the bottom
- Messages appear under the name of the recipient
- IC = 'Incident Commander'

Chat

SurgeSim: Patient Tracking

http://localhost/medstatstudio/surgesim/ed/pts/pts.html

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MedStatStudio: Index SurgeSim: Patient Tracking

Emergency Department#1
SurgeSim ED
V1.0

SurgeSim
Visual

20:13 UTC
787:(Change)

Send Chat
View Chat

New Chat Message

Refresh Select Area

Department Census All

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition
1020	----	C	73	Y9	Red 2	08:10	Abnormal Lab Values	History/Exam	Order	View	Procedure	Disposition
1035	----	C	38	F4	Green 2	09:16	Injury Right Hand	History/Exam	Order	View	Procedure	Disposition
1026	----	C	8	P2	Peds 1	09:19	Abdominal Pain	History/Exam	Order	View	Procedure	Disposition
8001	----	Y	8	P4	Peds 1	09:21	Fever	History/Exam	Order	View	Procedure	Disposition
10020	----	C	55	R3	Unassigned	09:25	Palpitations/Irregular Heart Rate	History/Exam	Order	View	Procedure	Disposition
10015	----	C	57	F3	Green 1	09:25	Laceration Right Foot	History/Exam	Order	View	Procedure	Disposition

Department Status Department Map Hospital Resources Department Census Triage ?

GMT/UTC: Tue 20:30 Honolulu: Tue 10:30 Edmonton: Tue 13:30 Rome: Tue 21:30 New York: Tue 15:30 Done

Alert

The screenshot shows a web browser window displaying a patient tracking application. A dialog box is open in the center, displaying a question mark icon and the text: "The page at http://localhost says: Patient 1162 violent, agitated, hit nurse, unable to control. Delete Message? Cancel OK".

The main content area is titled "Department Census Yellow" and contains a table with the following columns: Number, Alerts!, Triage, Age, Room, MD, Arrival Time, Complaint, History/Exam, Order Lab/Xray, View Lab/Xray, Procedure, Disposition, and Number. The table contains several rows of patient data. The row for patient 1162 is circled in red, and the "Alerts!" cell for this patient contains the text "ALERT!".

Handwritten annotations in red include "Emergency Department#1 SurgeSim ED V1.0" in the top left, "20:36 UTC" and "787:(Change)" in the top right, and "Visual" in the center. A grey arrow points from the dialog box to the "Alerts!" cell of patient 1162.

At the bottom of the browser window, a search bar contains the text "Find: 1162".

Number	Alerts!	Triage	Age	Room	MD	Arrival Time	Complaint	History/Exam	Order Lab/Xray	View Lab/Xray	Procedure	Disposition	Number
1020	----	B	28	Y12	Unassigned	14:28	Multiple Abrasions	History/Exam	Order	View	Procedure	Disposition	1020
1076	----	R	20	Y8	Unassigned	10:39	Major Trauma: Intubated	History/Exam	Order	View	Procedure	Disposition	1076
1162	ALERT!	R	24	Y10	Unassigned	11:44	Major Trauma	History/Exam	Order	View	Procedure	Disposition	1162
10004	----	Y	54	Y7	Red 2	08:55	Weakness left arm and leg	History/Exam	Order	View	Procedure	Disposition	10004
10010	----	G	47	Y6	Red 1	08:10	Chest Pain	History/Exam	Order	View	Procedure	Disposition	10010
10017	----	G	64	x2	Red 1	09:10	Chest Pain	History/Exam	Order	View	Procedure	Disposition	10017

Problems

- Problems with the simulation:
Management Staff are here to help
- Management staff play role of all other parts of the virtual world
(including consultation and radiology!)
- Refresh Button



Wifi: SurgeSim

http://192.168.1.2

**Triage
Screen**

**Census
Screen**

Triage

Enter from Triage Screen
Click on Patient Number for more information
Choose Triage Category then Click **Triage**

Assign
Room

Patient initially appears in Waiting Room (WR)
Click on **Room** to assign a new room

Assign
MD

Initially MD is "Unassigned"
Click on **MD** to assign an MD

History
Exam

Click on **History/Exam**
Choose a parameter and click **View Results**

Order
Tests

Click **Order**
Select the study
Click **Order**

Check
Lab/xray

Click **View**
Select the study
Click **View**

Perform
Procedures

Click **Procedure**
Select Procedure
Click **Procedure**
Follow instruction on screen
Click **Start Procedure** if the button appears

Dispose

Click **Dispose**
Choose a Disposition