

ADVANCES IN QUALITY & OUTCOMES: A Data Managers Meeting October 12–15, 2021 – VIRTUAL

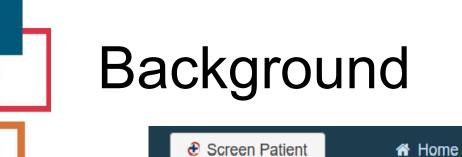
Intermacs Dashboard Demo

A tool for quality assurance and benchmarking Rama Rudraraju, PhD Director of Research and Development Kirklin Institute for Research in Surgical Outcomes University of Alabama at Birmingham



Intermacs Dashboard

- Goal
 - Provide a visual summary of data entered at a hospital
 - Dashboard can be used to
 - Compare hospital data vs Overall Intermacs
 - Quality Assurance (QA)
 - Benchmarking



Accessing the Dashboard

- Available on the main navigation menu
- Who gets access
 - All users at active sites
- HOSPX Demo hospital
 - Contains patients selected from hospitals at random

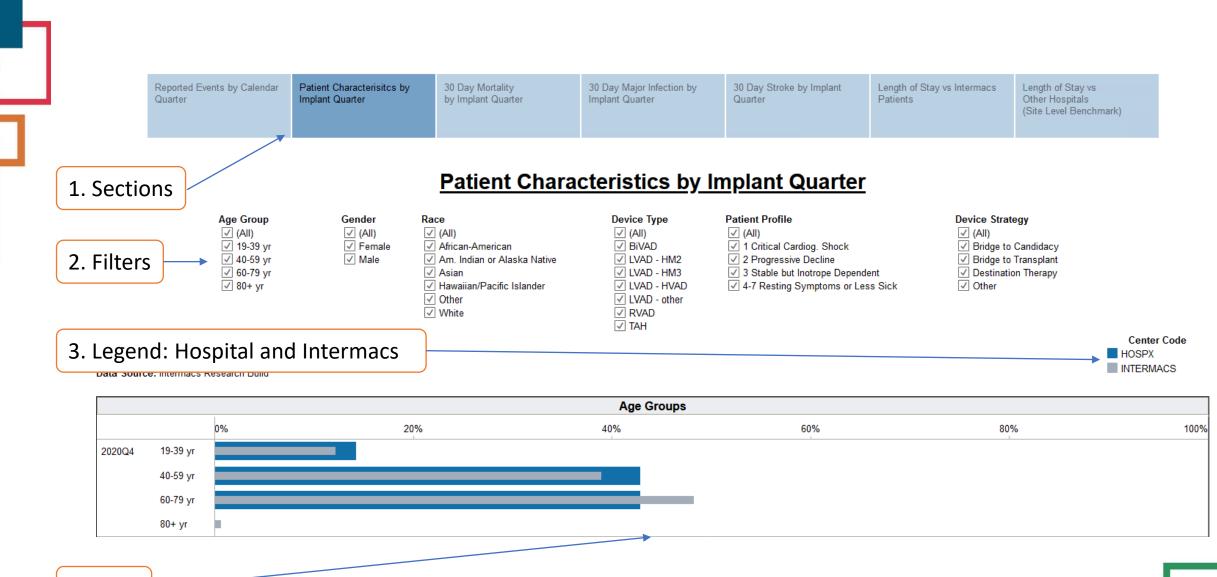
∠ Dashboard

✤ Links

Q Search

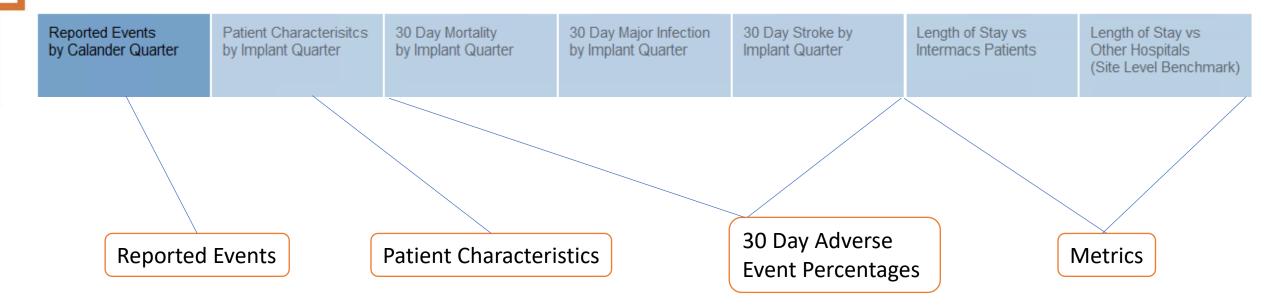
III Reports

Account

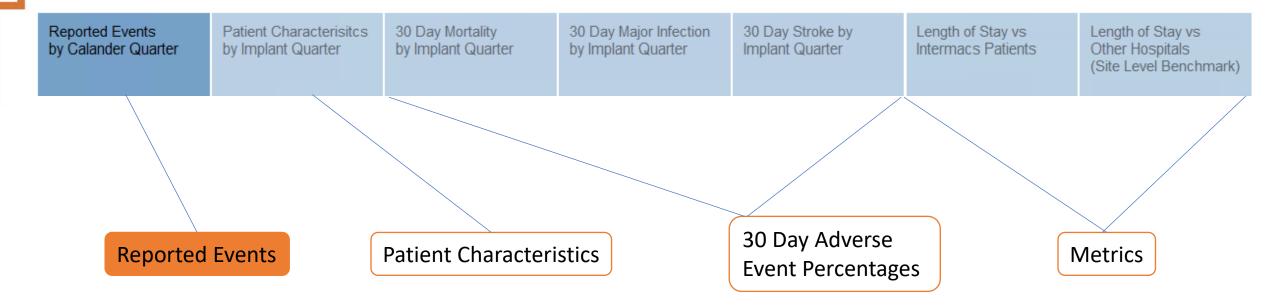












Reported Events

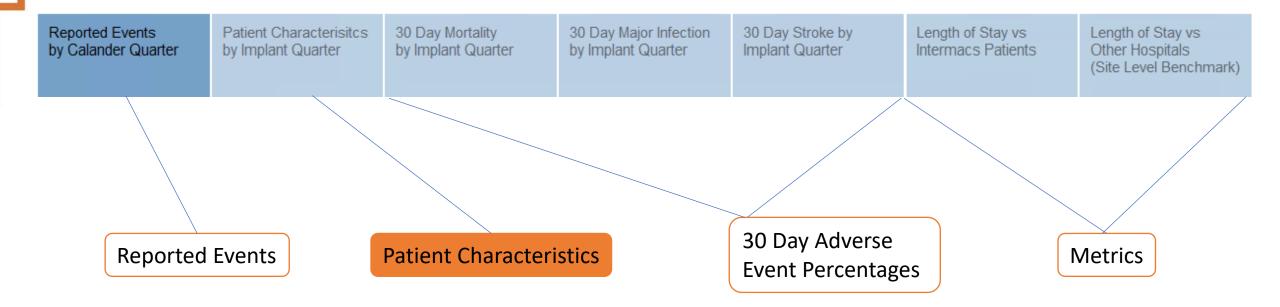
- Why
 - Snapshot of what is happening at your hospital
 - Make sure all the data is accounted for
- What
 - An accounting of events entered at your site in each calendar quarter
 - If I reported 3 infection events occurring in Jan 2021, they show up under 2021 Q1
 - Counted by event date
- Details
 - Data source: Updated nightly



Reported Events

- As a User, I want to see the number of Intermacs patients at my hospital in the last 4 quarters
- As a User, I want to see the number of infections entered at my hospital





Patient Characteristics

• Why

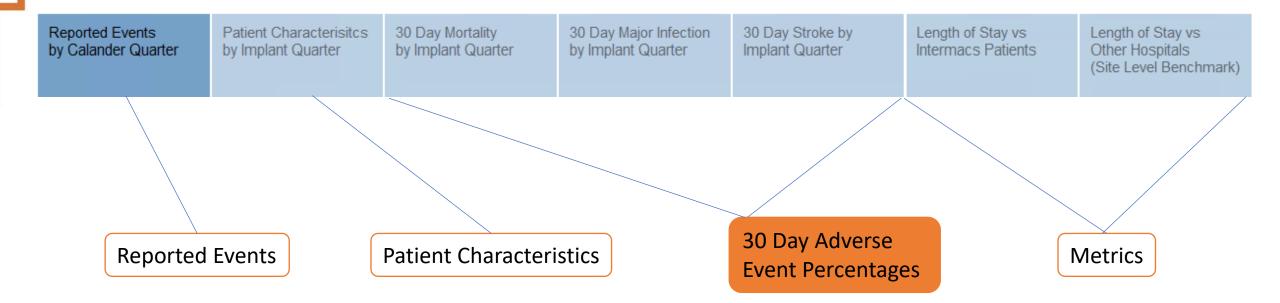
- Provide Visual Summary of patient characteristics
- Compare Site vs Intermacs
- Look at trends overtime
- What
 - An accounting of patient characteristics in each calendar quarter
 - If I enter 3 patients whose first implant date falls in Jan 2021, they will show up under 2021 Q1
 - Counted by first implant date: Patients are grouped by the quarter in which they
 receive their first implant
- Details
 - Data source: Updated monthly



Patient Characteristics display

- As a User, I want to see if my hospital is doing more destination therapy when compared to Intermacs ?
- As a User, I want to see trends for destination therapy patients at my hospital





30 Day Adverse Event Percentages

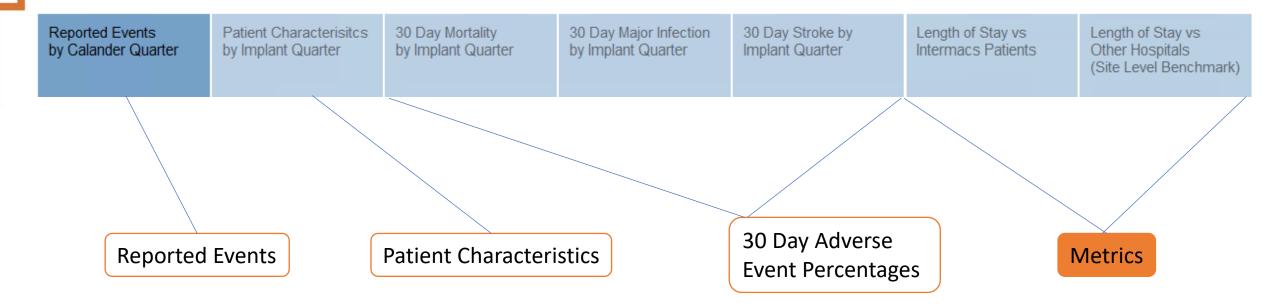
• Why

- Provide Visual Summary of specific adverse event trends
- Compare Site vs Intermacs
- What
 - Percentage of patients that experience a certain adverse event within 30-days
 - If I reported 3 stroke events on patients that had their first implant in Jan 2021, they will show up under 2021 Q1
 - Counted by first implant date: Patients are grouped by the quarter in which they
 receive their first implant
 - Outcomes are counted if they occur within 30-days of the patients first implant
- Details
 - Data source: Updated monthly



- As a User, I want to see the mortality percentage for destination therapy patients at my hospital
- As a User, I want to compare stroke percentage for destination therapy patients at my hospital compared to overall Intermacs





Metrics

- Why
 - Provide Visual Summary of calculated outcomes trending over time
 - Compare Site vs Intermacs
- What
 - Post-op Length of Stay (LOS) for patients discharged on a device
- Comparison groups
 - Patients at the site compared to aggregate of all patients in Intermacs
 - LOS at my site compared to overall Intermacs
 - Comparing metric at the site to the same metric calculated at other sites
 - What is 75th percentile, 90th percentile for LOS among all Intermacs sites
- Details
 - Data source: Updated monthly



- Length of Stay (LOS)
 - As a User, I want to look at the trends for LOS for DT patients at my hospital
- LOS overall
 - As a User, I want to find the 25th, 75th, 90th percentile for LOS at all sites in Intemacs, and see where my site stands
 - As a User, I want find out if LOS percentiles are changing in all Intermacs sites for Critical cardiogenic shock patients

Export*

- PDF
- Powerpoint

 *working on resolving issues with exporting on different screen sizes

Team

- Ryan Cantor, KIRSO
- Shafiq Islam, KIRSO
- John Pennington, KIRSO
- Rama Rudraraju, KIRSO
- Brandon Singletary, KIRSO
- Nick Timkovich, KIRSO
- Kathryn Hollifield, STS
- Keesha Medley, Baptist Memorial Health Care
- Sheena Lamon, Mayo Clinic

Conclusion

- First version of the dashboard
- Collecting feedback for developing next version
 - Suggest displays, AE percentages, metrics that will be useful to you
 - Survey

