Dimensional INSIGHT®

Dimensional Insight® COVID-19 Capacity Management Package

It's critical for hospitals and health systems to understand their COVID-19 patient populations and how they are impacting hospital operations. Dimensional Insight is offering its customers a COVID-19 Capacity Management package to give them visibility and a better understanding of their impacts from COVID-19.

The new package provides the tools necessary for a comprehensive approach to assessing, monitoring, and actively managing the COVID-19 patient population. The dashboards are geared to providing insights into the number of COVID-19 patients, both suspected and diagnosed regarding counts, locations, severity of illness, disposition, and testing on an hourly basis.

What the support package includes

- Dimensional Insight Platform®/Measure Factory® & Hospital Operations™

- An orders dataset that provides order information specific to COVID-19 related orders

- Customer has a workflow process that identifies those patients that are considered suspicious for COVID-19 and that the pertinent data elements can be extracted from their EHR

- The customer can provide a reference table identifying the rooms and units that have been designated as COVID-19 units/rooms to monitor COVID-19 room capacity and occupancy rates

- The customer will provide the table name(s) and mnemonic(s) or other designations for COVID-19 testing and test results

- The customer will provide the mnemonic or other designation for ventilator orders
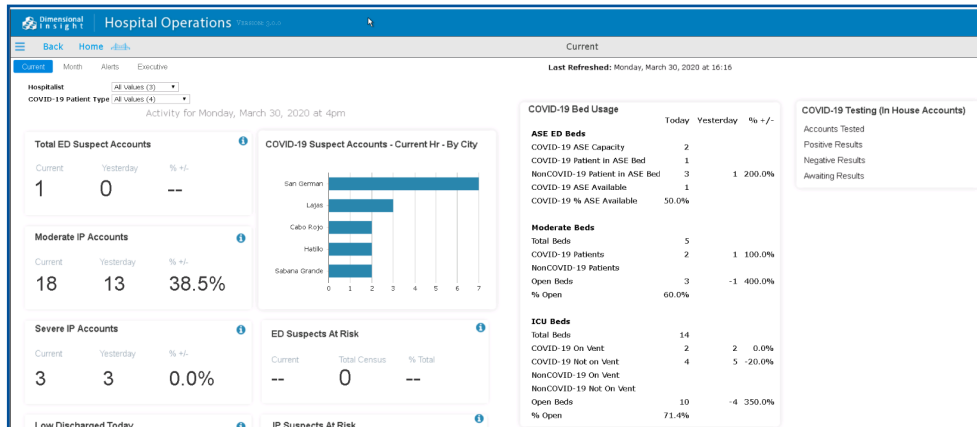
What the support package includes

- 48 measures with embedded metadata documentation
- 5 dashboard pages
- Measure Dictionary supplement
- Menu tile icon for integrating package into Hospital Operations dashboards
- Measures can be included in either conventional or self-service dashboards
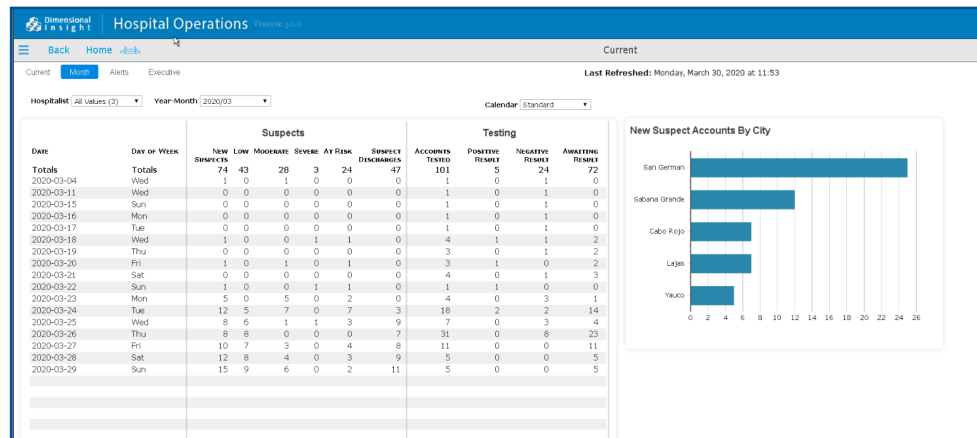- Licensing for the solution is complimentary; Dimensional Insight consulting can be purchased at a per-day rate

Measures included

- COVID-19 ASE Available
- COVID-19 % ASE Available
- COVID-19 Patient in ASE Bed
- COVID-19 Order Not Isolated
- COVID-19 Tested Admissions
- COVID-19 Total Capacity
- COVID-19 At-Risk Admissions
- COVID-19 ED At-Risk Suspect Accounts
- COVID-19 Hourly Discharges
- COVID-19 IP Suspect Accounts
- COVID-19 IP Suspects at Risk
- COVID-19 Low Suspect Admissions
- COVID-19 Low Suspect Departures Pct Diff
- COVID-19 Low Suspect Departures Today
- COVID-19 Low Suspect Departures Yesterday
- COVID-19 Moderate Suspect Admissions
- COVID-19 Negative Curr Census
- COVID-19 Negative Results
- COVID-19 Await Results Curr Census
- COVID-19 Positive Results
- COVID-19 Severe Suspect Admissions
- COVID-19 Tested Accounts
- COVID-19 Isolated Negative Result
- COVID-19 Isolated Not Ordered
- COVID-19 % Moderate Available

- COVID-19 % Moderate Occupancy
- COVID-19 Moderate Available
- Moderate COVID-19 Patient in Severe Bed
- Non-COVID-19 Non-Vent Patient in Severe Bed
- COVID-19 Moderate Capacity
- COVID-19 Patient in Moderate Bed
- Non-COVID-19 Patient in ASE Bed
- Non-COVID-19 Patient in Moderate Bed
- Non-COVID-19 Vent Patient in Severe Bed
- COVID-19 % Severe Available
- COVID-19 % Severe Occupancy
- COVID-19 Severe Available
- Severe COVID-19 Patient in Severe Bed
- COVID-19 Severe Capacity
- COVID-19 Suspect Accounts
- COVID-19 ED Suspect Accounts
- COVID-19 Moderate IP Suspect Accounts
- COVID-19 Severe IP Suspect Accounts
- COVID-19 Suspect Admissions
- COVID-19 Suspect Not Isolated
- COVID-19 Suspect Mortality
- COVID-19 Awaiting Results
- COVID-19 % Total Occupancy
- Total COVID-19 Suspect Discharges
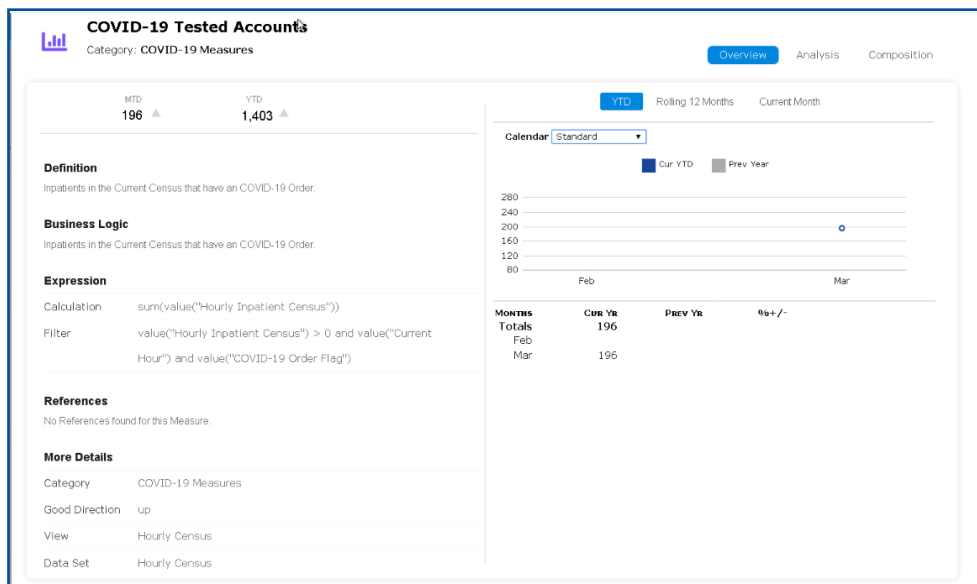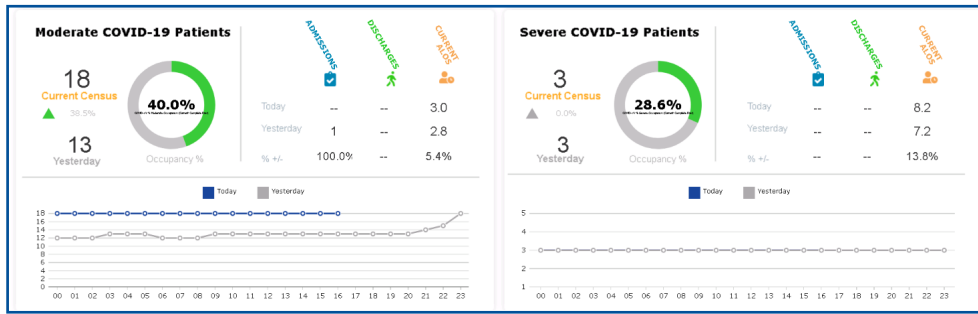- COVID-19 ASE Capacity

COVID-19 Current Page

Dimensional Insight | Hospital Operations
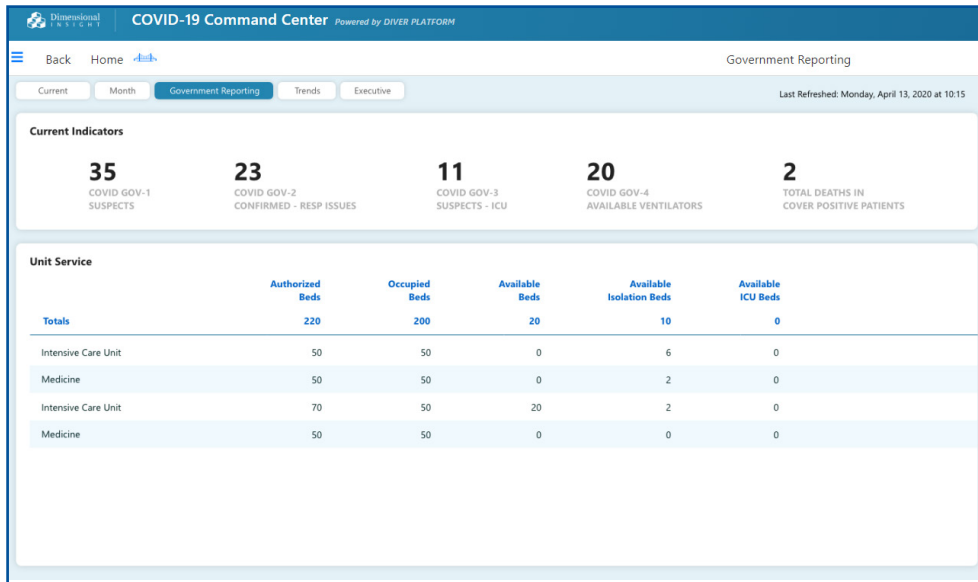
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Current | Month | Alerts | Executive

Last Refreshed: Monday, March 30, 2020 at 16:16

Hospitalist: All Values (3)
COVID-19 Patient Type: All Values (4)

Activity for Monday, March 30, 2020 at 4pm

Total ED Suspect Accounts

Current	Yesterday	% +/-
1	0	--

COVID-19 Suspect Accounts - Current Hr - By City
(San German, Lajes, Cabo Rojo, Hatillo, Sabana Grande)

Moderate IP Accounts

Current	Yesterday	% +/-
18	13	38.5%

Severe IP Accounts

Current	Yesterday	% +/-
3	3	0.0%

ED Suspects At Risk

Current	Total Census	% Total
--	0	--

Low Discharged Today

IP Suspects At Risk

COVID-19 Bed Usage

	Today	Yesterday	% +/-
ASE ED Beds			
COVID-19 ASE Capacity	2		
COVID-19 Patient in ASE Bed	1		
NonCOVID-19 Patient in ASE Bed	3	1	200.0%
COVID-19 ASE Available	1		
COVID-19 % ASE Available	50.0%		
Moderate Beds			
Total Beds	5		
COVID-19 Patients	2	1	100.0%
NonCOVID-19 Patients			
Open Beds	3	-1	400.0%
% Open	60.0%		
ICU Beds			
Total Beds	14		
COVID-19 On Vent	2	2	0.0%
COVID-19 Not on Vent	4	5	-20.0%
NonCOVID-19 On Vent			
NonCOVID-19 Not On Vent			
Open Beds	10	-4	350.0%
% Open	71.4%		

COVID-19 Testing (In House Accounts)

Accounts Tested
Positive Results
Negative Results
Awaiting Results

COVID-19 Monthly Page

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Current | Month | Alerts | Executive

Last Refreshed: Monday, March 30, 2020 at 11:53

Hospitalist: All Values (3)   Year-Month: 2020/03   Calendar: Standard

Date	Day of Week	New Suspects	Low	Moderate	Severe	At Risk	Suspect Discharges	Accounts Tested	Positive Result	Negative Result	Awaiting Result
Totals	Totals	74	43	28	3	24	47	101	5	24	72
2020-03-04	Wed	1	0	1	0	0	0	1	0	1	0
2020-03-11	Wed	0	0	0	0	0	0	1	0	1	0
2020-03-15	Sun	0	0	0	0	0	0	1	0	1	0
2020-03-16	Mon	0	0	0	0	0	0	1	0	1	0
2020-03-17	Tue	0	0	0	0	0	0	1	0	1	0
2020-03-18	Wed	1	0	0	1	1	0	4	1	1	2
2020-03-19	Thu	0	0	0	0	0	0	3	0	1	2
2020-03-20	Fri	1	0	1	0	1	0	3	1	0	2
2020-03-21	Sat	0	0	0	0	0	0	4	0	1	3
2020-03-22	Sun	1	0	0	1	1	0	1	1	0	0
2020-03-23	Mon	5	0	5	0	2	0	4	0	3	1
2020-03-24	Tue	12	5	7	0	7	3	18	2	2	14
2020-03-25	Wed	8	6	1	1	3	9	7	0	3	4
2020-03-26	Thu	8	8	0	0	0	7	31	0	8	23
2020-03-27	Fri	10	7	3	0	4	8	11	0	0	11
2020-03-28	Sat	12	8	4	0	3	9	5	0	0	5
2020-03-29	Sun	15	9	6	0	2	11	5	0	0	5

New Suspect Accounts By City
(San German, Sabana Grande, Cabo Rojo, Lajes, Yauco)

COVID-19 Overview Analysis Page

COVID-19 Tested Accounts
Category: COVID-19 Measures

Overview | Analysis | Composition

MTD	YTD
196	1,403

YTD | Rolling 12 Months | Current Month

Calendar: Standard

Cur YTD   Prev Year

Definition
Inpatients in the Current Census that have an COVID-19 Order.

Business Logic
Inpatients in the Current Census that have an COVID-19 Order.

Expression

Calculation: sum(value("Hourly Inpatient Census"))

Filter: value("Hourly Inpatient Census") > 0 and value("Current Hour") and value("COVID-19 Order Flag")

References
No References found for this Measure.

More Details

Category	COVID-19 Measures
Good Direction	up
View	Hourly Census
Data Set	Hourly Census

Months	Cur Yr	Prev Yr	%+/-
Totals	196		
Feb			
Mar	196		

COVID-19 Executive Dashboard

COVID-19 Government Reporting Page

SEE OUR CUSTOMER RATINGS IN ANALYST RESEARCH

About Dimensional Insight

Dimensional Insight® is a leading provider of analytics, data management, and performance management solutions, offering a complete portfolio of capabilities ranging from data integration and modeling to sophisticated reporting, analytics, and dashboards. The company is an ten-time Best in KLAS winner in healthcare business intelligence and analytics from 2009 to 2024. Founded in 1989, Dimensional Insight has thousands of customer organizations worldwide. Dimensional Insight consistently ranks as a top performing analytics organization by customers and industry analysts in its core market segments including healthcare, manufacturing, and beverage alcohol. For more information, please visit https://www.dimins.com/.

Dimensional INSIGHT®

60 Mall Road
Burlington, MA 01803
t: 781.229.9111
www.dimins.com

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