# d-Wise

EXIT

ENTRANCE

## Breaking the Cycle of Readmission with Predictive Technologies

# Readmit Reduce

# d-Wise

# Improve patient care. Reduce 30-day readmissions. Increase market share.

## Improve the overall health of your patient population

- Data-driven analytics identify patients at risk for inpatient complications or readmission

- Analytical models **based on your hospital's patient population** provide more accurate risk information than generic models that apply the same predictor variables to every population

- Daily updates regarding changes in risk profiles enable you to target, prioritize and deliver better care interventions

- Learning model adapts to your evolving patient population to more accurately predict readmission risk

## Readily apply analytics to improve your hospital's performance

- Analytics-as-a-Service brings the value of analytics to your hospital without capital or information technology personnel expenses

- d-Wise's analytics experts work with your medical personnel to tailor Readmit Reduce to your hospital's goals

- In-house data and analytics experts are not required for ongoing reporting and analysis

- Analytics enhance clinical best practices without replacing them

## Differentiate your hospital from the competition

- Documented readmission reductions are critical to attracting patients to your facilities

- Demonstrated commitment to analytics and Big Data sets you apart from other area hospitals and sends a message to the market that you are innovative

- An investment in analytics indicates a commitment to providing the best care possible and **creates one more reason for patients to choose your hospital**
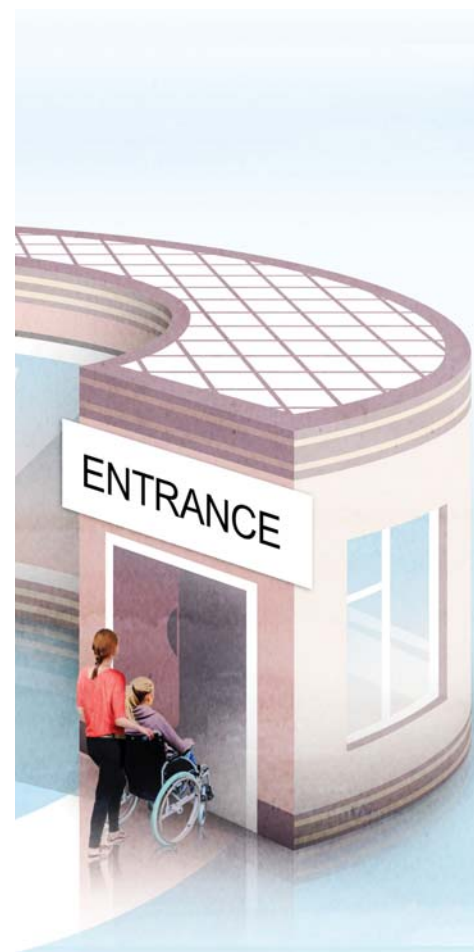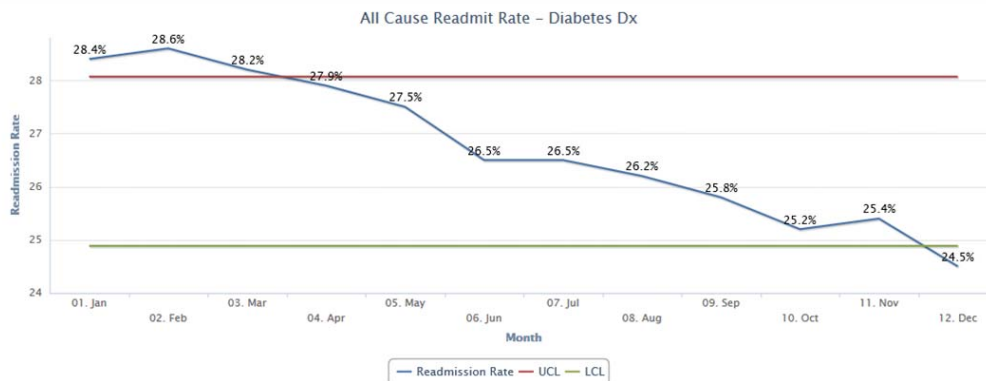
Patient_ID by Overall

| Patient_ID | Exptd 30 Day Readmit Pct. | 30 Day Risk Segment | Change in 30 Day Pct. | Exptd Heath Cost Index | Overall | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Discharge_Ind | LOS | CHF | COPD Asthma |
| 10787 | 99.13 | Extreme | | 0.80 | 0 | 0 | 1 | 1 |
| 12856 | 98.77 | Extreme | ↑ 98.66 | 0.56 | 1 | 2 | 1 | 0 |
| 9560 | 96.91 | Extreme | ↑ 96.87 | 1.06 | 1 | 2 | 0 | 0 |
| 7222 | 96.64 | Extreme | ↑ 0.30 | 0.52 | 0 | 1 | 1 | 0 |
| 12884 | 95.39 | Extreme | ↑ 0.41 | 0.99 | 0 | 2 | 0 | 0 |
| 14006 | 94.54 | Extreme | | 0.83 | 0 | 0 | 0 | 0 |
| 9210 | 48.00 | Very High | | 0.93 | 0 | 0 | 0 | 0 |
| 11299 | 29.75 | High | | 1.48 | 0 | 0 | 0 | 0 |
| 7133 | 0.26 | Average | ↑ 0.15 | 0.93 | 1 | 2 | 0 | 0 |
| 14140 | 0.13 | Average | ↓ -98.65 | 1.12 | 1 | 2 | 0 | 1 |
| 8332 | 0.10 | Average | ↑ 0.06 | 0.73 | 0 | 2 | 1 | 0 |
| 12567 | 0.10 | Average | ↑ 0.06 | 0.60 | 1 | 2 | 0 | 0 |
| 10736 | 0.06 | Low | ↑ 0.03 | 0.56 | 0 | 2 | 1 | 0 |
| 13457 | 0.05 | Low | ↑ 0.03 | 0.66 | 0 | 2 | 0 | 0 |
| 7770 | 0.04 | Low | | 0.56 | 0 | 0 | 1 | 1 |
| 15836 | 0.00 | Low | | 1.17 | 0 | 0 | 0 | 1 |
| 15513 | 0.00 | Low | ↑ 0.01 | 1.10 | 0 | 1 | 0 | 0 |

## Risk reporting motivates action and intervention

- Daily dashboard updates to 30-day readmission risk score enable targeted care interventions based on continual changes to inpatient health status
- Final 30-day readmission score at discharge enables care management team to align best interventions for individual patients
- Daily chase list prioritizes patients who require active monitoring after discharge
- Expected health index and trend analysis ranks inpatient health and enables staff to prioritize patients at risk for other chronic health issues
- Monthly reporting on overall patient population as well as readmission trends enables care managers to identify new population health initiatives
- Reports can be stratified by all hospitals in your network to identify leaders and laggards

## Off-premises managed services reduce cost and start-up time

- No capital expenditures
- No in-house analytics expertise required
- No initial or ongoing internal IT and maintenance resources required
- Daily chase lists and risk dashboards automatically delivered online each and every day



All Cause Readmit Rate – Diabetes Dx

Readmit Reduce enables hospitals to efficiently apply analytics that improve inpatient care, reduce 30-day readmissions and increase their market share.

# d-Wise

## CUSTOM SOLUTIONS
In addition to market solutions like Readmit Reduce, d-Wise builds custom solutions to solve your business problems and close the gaps in existing processes.

## BUSINESS INTELLIGENCE
d-Wise successfully delivers solutions that turn your data and processes into the intelligence you need to succeed.
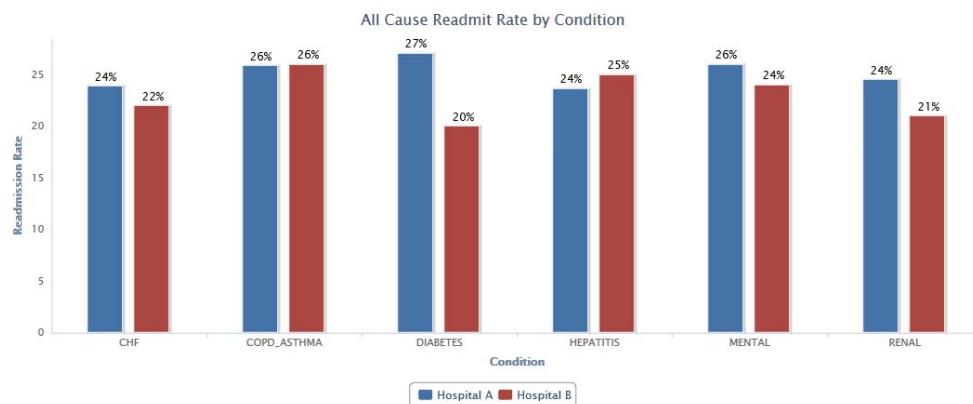
## DATA WAREHOUSING
d-Wise has over 12 years of experience in designing, developing and optimizing data warehouses enabling your company to move beyond the data to gain a competitive advantage.

## TECHNOLOGY ADOPTION
d-Wise understands technology is only a small piece of improving your business. People, and their ability to manage change, are the most critical part of any technology innovation program.

## Analytics are optimized for readmission and health risk predictions

- Historical data from your hospital's specific population provides increased predictive accuracy over broader population approaches
- Analytical models generate more accurate predictions than LACE Index
- Predictions sustain high levels of accuracy over time as patient population evolves



All Cause Readmit Rate by Condition

# About d-Wise

d-Wise is a technology leader with the expertise to empower organizations to resolve their business optimization challenges, helping them rapidly harness and leverage data, systems and processes to gain competitive advantage. With offices in the US and UK, d-Wise offers product, service and consulting solutions that help clients implement robust, reliable, and compliant data infrastructures that are optimized for analytics and decision support. d-Wise has over a decade of experience tailoring data warehousing and standards solutions to meet the foundational data needs of their clients.

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