



### Overview

**Oculys prEDict** is a powerful real-time communication tool designed to broadcast a hospital's Emergency Department performance to the community and staff. Scientifically proven and highly accurate, hospital leaders can confidently post unbiased reporting of expected patient wait times.

How significant is 90% accuracy? The coefficient of determination in scientific terms, also referred to as  $R^2$ , is a statistic that provides information about the validity of a model. It is the statistical measure of how well the regression line approximates the real data points.  $R^2$  of 1.0 indicates the regression line perfectly fits data – 100%. The  $R^2$  of the Oculys ED Wait-Time clock is .94.

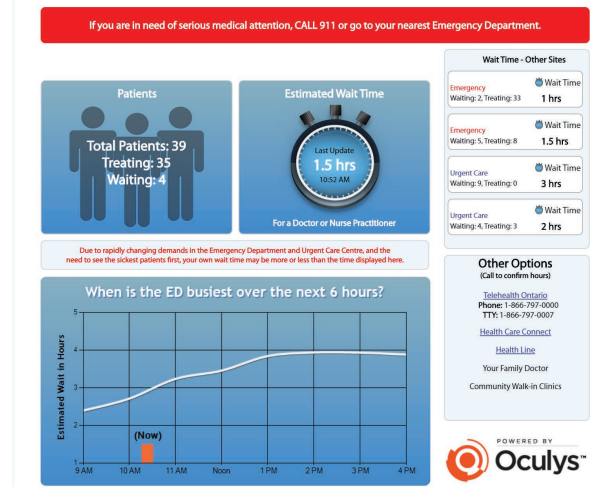
### Features

1. Displays the current estimated wait-time to see a physician from triage.
2. Estimates the wait-time to see a physician after triage in 15 minute intervals.
3. Displays the number of people waiting to be treated.
4. Provides a projection of wait-times over the next six hour period based on analyzed past trends.
5. Updates the real-time estimated wait-time based on a sophisticated algorithm including ED data and behaviors.
6. Provides wait-time calculation based on extensive scientific research of ED patient-flow patterns.
7. Integrates easily to existing hospital systems including Oculys Performance, hospitals internal and external websites, or existing community mobile applications.
8. Calculates accuracy at a 90% rate which specifically means that 90% of the patients are seen in the ED by a physician within the estimated time.
9. Includes community-facing information about ED alternatives.

### Benefits

1. Provides a unique and scientifically validated technology based on a sophisticated algorithm.
2. Increases accountability within the ED and throughout the hospital which positively impacts performance and financial results.
3. Projects favorably on a hospital's reputation of posting accurate real-time data which increases public confidence and positively impacts patient satisfaction and volumes.
4. Reflects the hospitals specific reality through data validation testing which increases the ED team and staff's confidence in the clock's accuracy.
5. Supports strong communication with the community by helping the public manage expectations and increasing patient satisfaction.
6. ED staff no longer have to answer the question "How long is the wait to see a doctor?"
7. Patients are provided with up-to-date wait-time information needed to appropriately plan their ED visit.

### 90% Accuracy



### Informed Decisions



### About VitalHub

VitalHub develops mission-critical technology solutions for Health and Human Services providers in the Mental Health (child through adult), Long Term Care, Community Health Service, Home Health, Social Service and Acute Care sectors. VitalHub technologies include Blockchain, Mobile, Patient Flow, Web-Based Assessment, and Electronic Health Record solutions.

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