

precision
diagnostics

precision **analytics**

Precision Population Health Management Tool



Precision **Analytics**

Population Health Management Tool

We understand the importance of delivering actionable data in a format that allows for intelligent and decisive care management decisions. Equally important is having a platform that allows providers to identify best practices, gaps in care, and care opportunities which can lead to improved outcomes. Data is significantly more useful when it's actionable, delivered in real-time, constructed in a format that is understandable and allows for sharing with other key stakeholders responsible for improving the health and safety of patients.



Practice-Level Analysis

A dashboard displaying practice-level data in a concise manner to help manage patient drug testing information, including prescription adherence metrics, test utilization history, medical necessity metrics, and recent results history with risk indicators.

Currently offered to single practice & single providers.



Patient-Level Analysis

A dashboard displaying patient-level data in a cumulative tabular format where the user can obtain a snapshot of the patient's test history, identify trends, and access any individual test report.



Precision DDI

A customizable dashboard to display metrics for patient drug-drug interactions (DDIs), including DDI level classification, DDI drug contribution metrics, and drugs not ordered resulting in missed DDIs.



Practice-Level Analysis



Patient Search and Drug Test Results

From the top section of the Precision Analytics Provider Profile, the user can order tests, order supplies, and contact Precision's Client Services and Clinical Support team. The user can also search for individual patients, sort patients by filters such as collection date, # of drug-drug interactions (DDI's), illicit drug use, unexpected negatives, and unexpected positives.

Medical Necessity Analytics



Ensure medical necessity by reviewing your test ordering information and compare it to the drug test results data. The Medical Necessity Analytics section of Precision Analytics allows a provider to ensure the appropriate tests are being ordered based on the provider's patient population.

General Drug Testing Metrics

Users can utilize this data to get a snapshot of practice-level information such as prescription adherence and which drug combinations are most common within the provider's patient population. This section of the dashboard also provides drug category outcomes and useful drug testing data points.



Patient-Level Analysis




ORDER A TEST

ORDER SUPPLIES


CONTACT CLIENT SERVICES


The *Precision Patient Profile* provides instant access to **Patient Level Analytics**. To the right, select a date range using the slider or by entering dates into the 'From' & 'To' boxes. Enter a *patient name* into the search bar below.



From:
3/26/2016


To:
12/29/2018












































| Precision Analytics | | Total # of Samples | Consistent w/  | | Unexpected Negatives | | Unexpected Positives | | Most Recent Test Result |
|------------------------------------|-------------|--------------------|---|------|------------------------|-----------------------------|----------------------|---------------------------|-------------------------|
| Patient Level Data Analysis | | 7 | 0 | 0.0% | 2 | 28.6% | 7 | 100.0% | Inconsistent |
| Patient Name | Patient DOB | Today's Date | Date of Last Test | | # Days Since Last Test | Avg # of Days Between Tests | | Current Variance From Avg | |
| Doe, Jane | 12/18/1984 | 6/14/2018 | 2/5/2018 | | 129 | 99 | | 30 | |

Search Patient Name (Last, First)

Doe, Jane

1. Enter a **patient's name** into the search bar.
2. Review Patient Test Results
3. Click on Link to PDF report, if desired 

 Unexpected Positive or Negative

| Date Collected | 6/20/2016 | 12/20/2016 | 1/17/2017 | 6/26/2017 | 11/13/2017 | 1/8/2018 | 2/5/2018 |
|---|---|--|--|--|---|---|---|
| Specimen Id | | | | | | | |
| PDF Test Report  |  |  |  |  |  |  |  |
| Analyte Cumulatives | • Result | • Result | • Result | • Result | • Result | • Result | • Result |
| IA(Urine) - CREATININE | In Range | In Range | In Range | In Range | In Range | In Range | In Range |
| IA(Urine) - OXIDANT | In Range | In Range | In Range | In Range | In Range | In Range | In Range |
| IA(Urine) - PH | In Range | In Range | In Range | In Range | In Range | In Range | In Range |
| IA(Urine) - SPECIFIC GRAVITY | In Range | In Range | In Range | In Range | In Range | In Range | In Range |
| LCMS(Urine) - CYCLOBENZAPRINE |  Positive (680ng/ml) |  Positive (393ng/ml) |  Positive (410ng/ml) |  Positive (178ng/ml) |  Positive (261ng/ml) |  Positive (179ng/ml) |  |
| LCMS(Urine) - HYDROCODONE | | | |  Positive (25ng/ml) | | | |
| LCMS(Urine) - METHADONE | | | | | |  Positive (114ng/ml) | |
| LCMS(Urine) - NORDIAZEPAM |  Positive (488ng/ml) | | | | | | |
| LCMS(Urine) - NORHYDROCODONE | | | |  Positive (12ng/ml) | | | |
| LCMS(Urine) - NOROXYCODONE |  Negative |  Positive (5107ng/ml) |  Positive (5183ng/ml) |  Positive (3179ng/ml) |  Positive (68ng/ml) |  Positive (7762ng/ml) |  |
| LCMS(Urine) - OXAZEPAM |  Positive (898ng/ml) | | | | | | |
| LCMS(Urine) - OXYCODONE |  Negative |  Positive (7007ng/ml) |  Positive (5571ng/ml) |  Positive (8487ng/ml) | |  Positive (26987ng/ml) |  |
| LCMS(Urine) - OXYMORPHONE |  Negative |  Positive (243ng/ml) |  Positive (171ng/ml) |  Positive (152ng/ml) |  Positive (21ng/ml) |  Positive (1631ng/ml) |  |

Patient-Level Analysis

The Precision Analytics patient-level analysis provides a snapshot of important laboratory testing metrics for an individually selected patient. The user can verify medication adherence, identify specific patient trends over time, and also download any of the patient's PDF test results.

Disclaimer: The screenshots in this brochure do not include actual patient or provider data.

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Precision DDI (Drug to Drug Interactions)

Precision DDI and Precision Analytics

Precision DDI provides referenced drug information that describes adverse reactions, contraindications, mechanism of action, pharmacodynamics, and the pharmacokinetics of a particular medication. Precision DDI is integrated directly into our drug test result data. This information can be beneficial in improving patient outcomes by opening an enhanced level of dialogue between clinicians and their patients regarding the potential risks of concomitant drug use.

| Precision DDI Report | | | | |
|----------------------|--|-------|----------|-------|
| DDI Legend: | Severe | Major | Moderate | Minor |
| DDI Severity Level: | Major | | | |
| DDI Present: | Sertraline + Cyclobenzaprine | | | |
| Summary of DDI: | Sertraline Hydrochloride causes synergistic or additive toxicity with Cyclobenzaprine Hydrochloride | | | |
| Professional Notes: | Cautious use of cyclobenzaprine and drugs that increase serotonin concentrations such as selective serotonin reuptake inhibitors (SSRIs) is advised because of the possibility of serotonin syndrome. If these drugs must be used together, closely monitor the patient for signs and symptoms of serotonin syndrome. If such a reaction develops, immediately discontinue cyclobenzaprine and the SSRI. Cyclobenzaprine is structurally similar to tricyclic antidepressants, which have been reported to prolong the QT interval, especially when given in excessive doses (or in overdosage settings). A case of torsade de pointes (TdP) has been reported with cyclobenzaprine in combination with another drug with QT-prolonging properties. Until further data are available, it is prudent to use cyclobenzaprine with caution with other drugs which may prolong the QT interval such as sertraline. There have been post-marketing reports of QT prolongation and torsade de pointes (TdP) during treatment with sertraline; therefore, caution is advisable when using sertraline in patients with risk factors for QT prolongation, including use of other drugs that prolong the QTc interval. | | | |
| Consumer Notes: | These drugs may be used together with close monitoring by your doctor. Taking these drugs together can increase the risk of a dangerous change in heartbeat or heart rhythm and "serotonin syndrome". Contact your prescriber immediately if you experience chest pain, dizziness, fainting or falling spells, palpitations, shortness of breath, or a change in your heart beat (such as a fast or irregular heart beat). Discuss side effects such as confusion, constipation, difficulty with urination, dry mouth and eyes, and changes in vision with your health care provider. Do not drive or operate machinery until you know how these drugs affect you. | | | |

Precision Test Reports:

Precision DDI analytics are available in any of our customizable test reports. The Precision DDI Report displays the following information:



Severity Level



Specific combination(s) promoting a DDI



DDI Summary



Professional & Consumer Notes



transforming healthcare through clinical laboratory science

Precision Diagnostics is committed to transforming healthcare by delivering accurate, comprehensive, actionable clinical data needed to enhance population health and improve outcomes throughout the continuum of care.



INNOVATION

We relentlessly pursue research, technology, and quality – providing unparalleled, cutting-edge clinical laboratory science and delivery.



INTEGRITY

We accept and incorporate only ethical business solutions representing the highest quality standards, rooted in honesty, fairness, and transparency.



INSIGHTS

We integrate and deliver intelligent analytics that power objective, actionable clinical data – fulfilling our commitment to an evolved healthcare delivery system.



OUTCOMES

With a focus on the end goal, we continually explore new advances in delivering informed, coordinated, efficient patient care.



4215 Sorrento Valley Blvd.,
San Diego, CA 92121
(800) 635-6901
info@precisiondxlab.com
precisiondxlab.com