Addressing Substance Use Disorder through Analytics and Technology
Appriss Health’s Core Capabilities

Behavioral Health – Public Health – Value-based Care

Risk Identification
- Data
- Information
- Analytics

Prevention and Management
- Clinical decision support
- Care coordination
- Clinical resources

Pervasive Clinical Information System Integration Platform

Physicians
Pharmacists
Care Teams
Social Workers

Behavioral Health – Public Health – Value-based Care

PMP Gateway

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Clinical Integration Pervasiveness

- Major and minor pharmacy platforms
- ~250,000 clinicians
- ~35,000 facilities
- 38 states
- 23 million transactions per month

Integrated Clinicians

Integrated Facilities

- Pharmacists
- Prescribers
- Pharmacies
- Health Facilities
Substance Use Disorder Solution

**Risk Identification**
- Prescription drug monitoring program data
- History of non-fatal overdose
- Justice-involved data
- Additional clinical data
- Machine learning-derived patient risk scores
- Data visualizations

**Prevention and Management**
- Appropriate prescribing
- Cross-platform and point-of-care care coordination
- Incarceration release alerts
- Real-time treatment availability and referral to treatment
- Patient education
- Open platform for additional functionality

*Delivered in context, in real-time, at the point-of-care*
SUD Risk Identification
Appriss Health PDMP Data Activities

**PDMP Platform**

- 350 million controlled substance prescriptions per year
- 43 PDMPs
- Platform(s) we provide

**PDMP Interstate Sharing Hub**

- 29 million transactions per month
- 48 PDMPs
- Data to which we have access

**PDMP Clinical Workflow Integration**

- 23 million transactions per month
- 38 States
- States in which we integrate with clinical systems

NO COST to the states
PDMP as an Analytics and Clinical Platform

Appriss Health customers as well as other PDMPs have rapidly embraced the PDMP as far more than a controlled substance medication history

• Additional Data
  • PDMPs are adding data sets to enhance the power of the information (history of non-fatal overdose, drug court, criminal justice, toxicology)

• Analytics and Visualizations

• Care Coordination

• Clinical Tools

SUD Risk Awareness vs. Appropriate Prescribing Only

• Physicians are viewing PDMP analytics for every patient to understand SUD risk

• The crisis is too widespread to only understand information for patients for whom a prescription is being contemplated
SUD Risk Awareness
NarxCare Substance Use Disorder Clinical Platform

Legacy PDMP Report
Controlled Substance Med History Approach

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Patterns in and important characteristics of the information are virtually impossible to ascertain, certainly not within a clinical encounter.
Represent controlled substance history

Prominent risk indicators highlight important information from many data sets

Machine-learning derived score predicting risk of unintentional overdose death

Can incorporate many data sets

Rx Graph clearly displays vital information difficult to ascertain from “Med History” view
Overdose Risk Score

![Overdose Risk Score Graph](image)

- Blue bars represent 'MME Last 60 Days'.
- Orange bars represent 'Overdose Risk Score'.
Messages and Care Notes enable gaps in care alerts and care coordination, such as insertion of a care plan for all treating providers to access or creation of a referral to care management.
Care Notes also enable flagging and insertion of an Opioid Treatment Agreement, an emerging requirement from CMS and elsewhere.
MAT Locator provides a list of buprenorphine prescribers close to the patient (using SAMSHA’s database)

CDC information sheets are available to be printed and handed to patients
SUD Prevention and Management
OpenBeds Real-time Treatment Availability and Digital Referrals

Referral
- Medical facilities
- Justice system
- County authority
- Outpatient treatment facility
- Acute detoxification facility
- Patients
- Care managers

Treatment
- Acute Inpatient Care
- Withdrawal Management
- Medication-Assisted Treatment
- Residential Treatment Program
- Partial Hospitalization
- Intensive Outpatient Treatment
- Outpatient Counseling
- Recovery Housing
- Recovery Support Services
hc1 Tox Advisor™ Drug Consistency Assessment

Provides physicians an immediate and precise patient risk assessment by comparing tox results with PDMP data in real-time.