



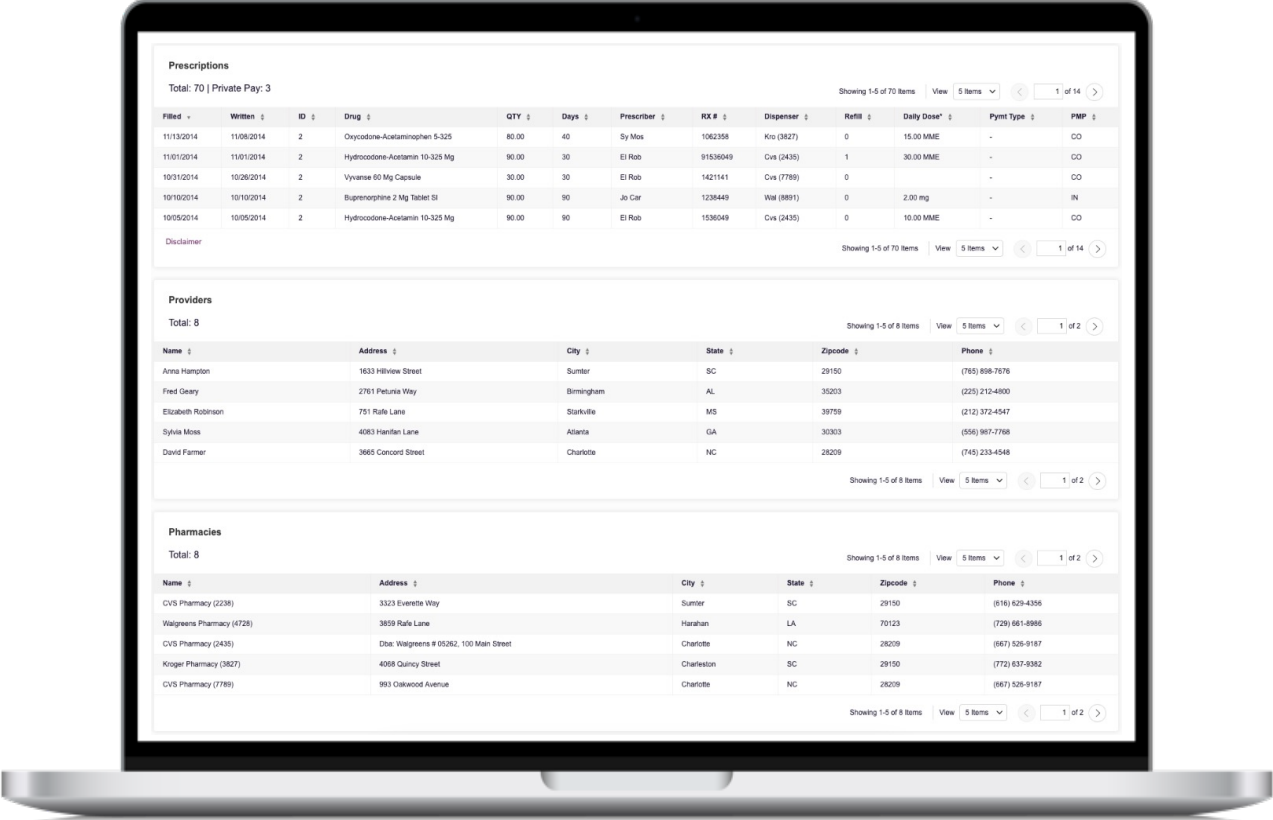
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NarxCare & the Overdose Risk Score

Background: PDMP Platforms

Prescription Drug Monitoring Programs (PDMPs) list a patient's controlled substance history within a state-mandated timeframe.

When patients have an extensive controlled substance prescription history, NarxCare can go beyond the basic PDMP report to provide enhanced insights and data visualizations.



Basic PDMP Report

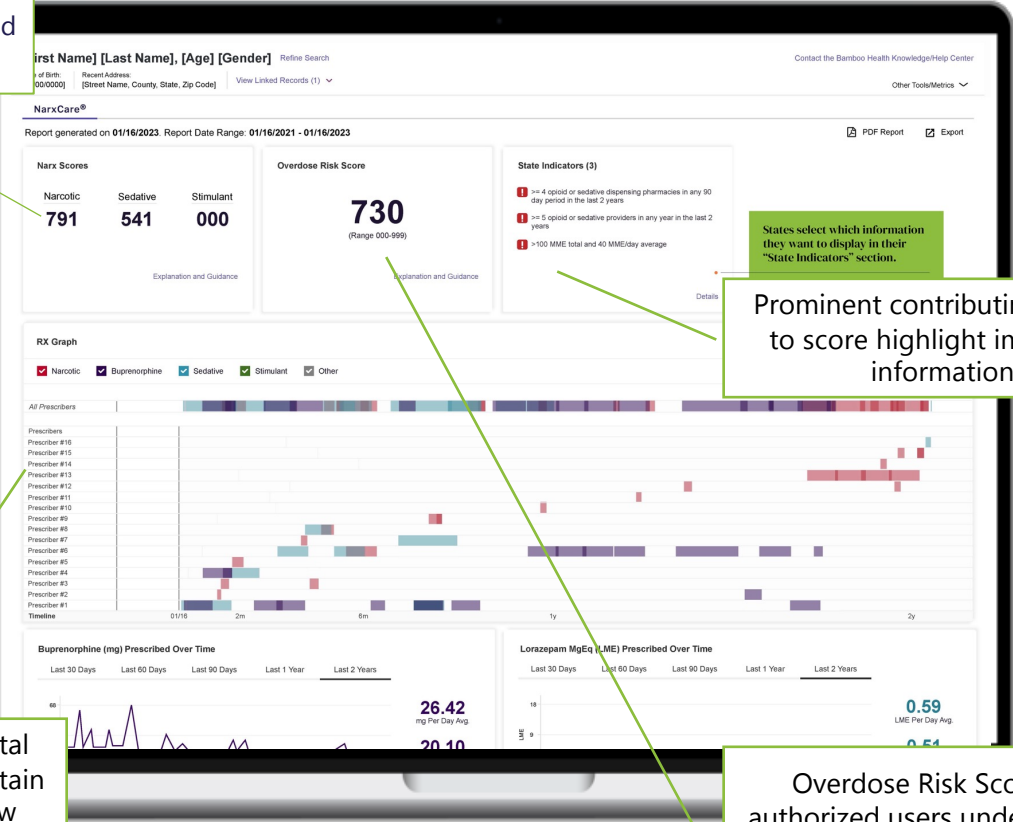
NarxCare: Supporting Clinicians with Data Analysis

NarxCare delivers tools intended to provide medical professionals with information to make informed controlled substance prescribing and dispensing decisions.

NarxCare is designed to help medical professionals easily access and analyze PDMP data. Rather than manually sifting through rows and rows of PDMP data, our NarxCare tools help clinicians visualize PDMP information.

NarxCare does not make clinical recommendations; all prescribing and dispensing decisions are made by physicians and other licensed clinicians treating the patient.

Represents controlled substance history



States select which information they want to display in their "State Indicators" section.

Prominent contributing factors to score highlight important information

Rx Graph clearly displays vital information difficult to ascertain from traditional PDMP view

Overdose Risk Score helps authorized users understand how a patient's PDMP data may correspond to prescribing patterns associated with unintentional overdose deaths

Current NarxCare View

Understanding the Overdose Risk Score

What is the Overdose Risk Score?

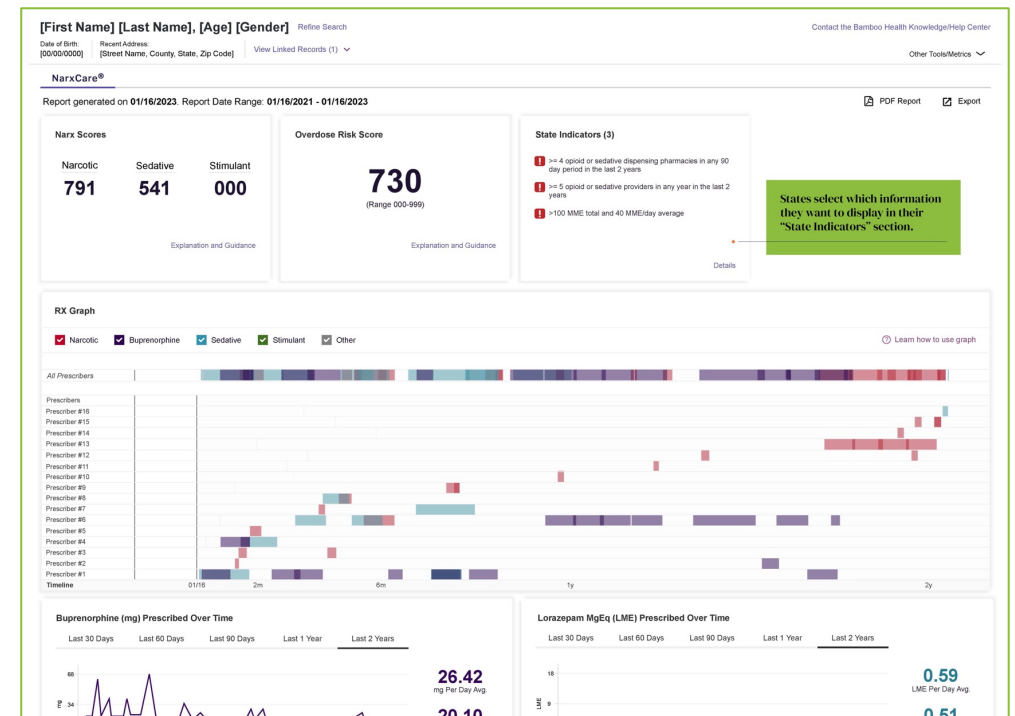
The Overdose Risk Score (ORS) is composed of three digits ranging from 000—999. The ORS was developed with a logistic regression model using PDMP data as an input and is intended to provide an indicator, for use by medical professionals, along with other patient-centric factors of the likelihood of an unintentional overdose death. Other patient-centric factors may include mental health conditions, substance use conditions, respiratory conditions, hepatic and renal conditions, and history of overdose. These factors may influence unintentional overdose death but are not incorporated in the PDMP data used to calculate the Overdose Risk Score.

What is the value of NarxCare and the Overdose Risk Score?

The Overdose Risk Score, especially when embedded into the NarxCare Report and displayed alongside other analytics and line-item prescribing history, provides deeper insight into a patient's prescribing complexity.

NarxCare Insights include but not limited to:

- Visibility into medications prescribed by other providers
- Acute, episodic, and chronic treatment history
- Treatment intensity
- Summary of current and 30-day averages



NarxCare Report

Note: The ORS requires review by a medical professional exercising their independent clinical judgment in the context of a patient's medical history. The ORS should not be used as the sole basis to grant or deny a patient medication.

Understanding a New Version of the Model

The healthcare landscape is constantly innovating and changing, and we strive to innovate alongside it. We are always looking for ways to enhance our offerings to better serve our customers.

Regarding NarxCare specifically, we are in the process of rolling out a new version of the ORS model. We began development of the new version in 2021 when the controlled substance and opioid epidemic was evolving, including the increase in overdose deaths resulting from fentanyl.

The new version of the ORS model and its display incorporate learnings, including:

- A different approach to MOUDs
- A focus on recent dispensations
- Presentation of the key contributing factors to the score

Based on these learnings, we've created a new version of the model.

Understanding the Overdose Risk Score

Original ORS

NARX SCORES			OVERDOSE RISK SCORE	ADDITIONAL RISK INDICATORS (3)
Narcotic	Sedative	Stimulant	740 (Range 000-999)	<ul style="list-style-type: none"> ! \geq 4 opioid or sedative dispensing pharmacies in any 90 day period in the last 2 years ! \geq 5 opioid or sedative providers in any year in the last 2 years ! > 100 MME total and 40 MME/day average
791	551	000		
Explanation and Guidance			Explanation and Guidance	Explanation and Guidance

Updated ORS

UNINTENTIONAL OVERDOSE RISK SCORE MODEL i

710

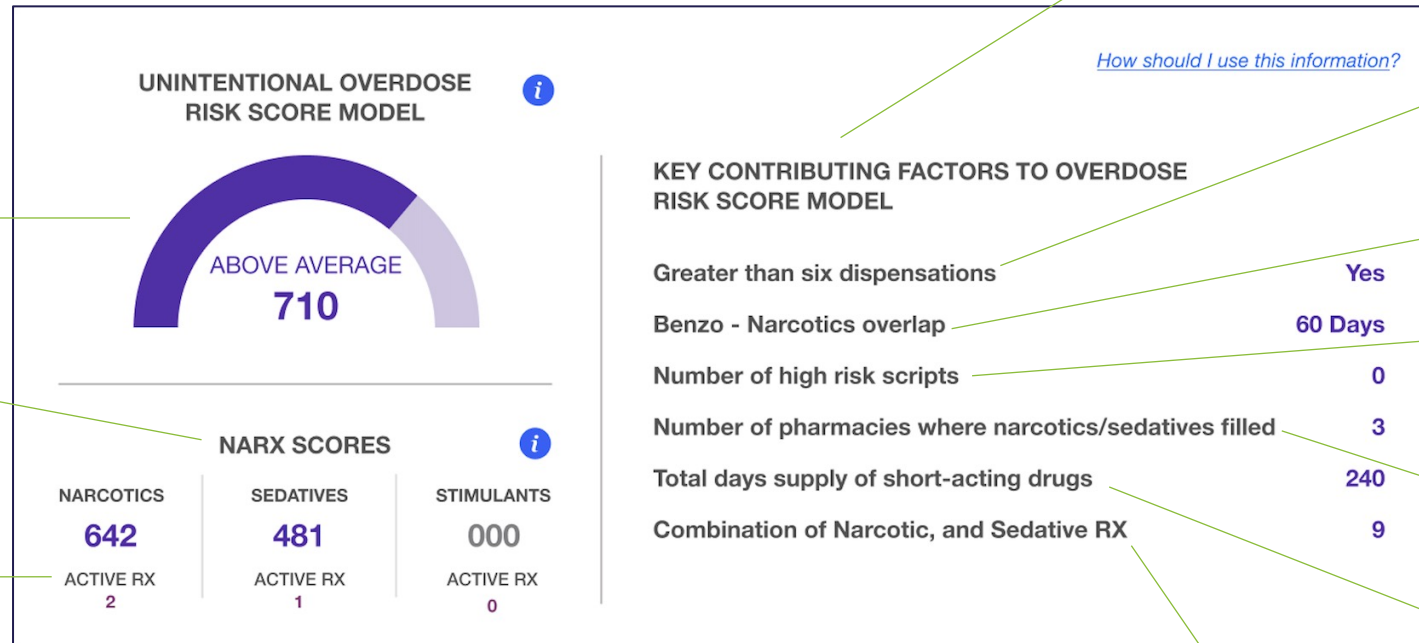
[How should I use this information?](#)

NARX SCORES i			KEY CONTRIBUTING FACTORS TO OVERDOSE RISK SCORE MODEL	
NARCOTICS	SEDATIVES	STIMULANTS	Greater than six dispensations	Yes
642	481	000	Benzo - Narcotics overlap	60 Days
ACTIVE RX 2	ACTIVE RX 1	ACTIVE RX 0	Number of high risk scripts	0
			Number of pharmacies where narcotics/sedatives filled	3
			Total days supply of short-acting drugs	240
			Combination of Narcotic, and Sedative RX	9

Understanding the New Version of the Score Tile

One cohesive tile ensures scores and key contributing factors are always displayed together

Key Contributing Factors gives further insight into the how the ORS was derived



Refreshed display of ORS

Narx Scores help draw awareness to the presence of PDMP history

Active Rxs for each Narx Score are easily seen below its respective section

Helps identify potential long-term opioid use

Identifies overlapping prescriptions within a 90-day period

Helps identify potential history of opioid use disorder

Offers insight into multiple provider episodes

Helps identify potential multiple provider episodes

Offers insight into potential risk of adverse effects



Bamboo Health
