Recent Updates to the NC Controlled Substance Reporting System

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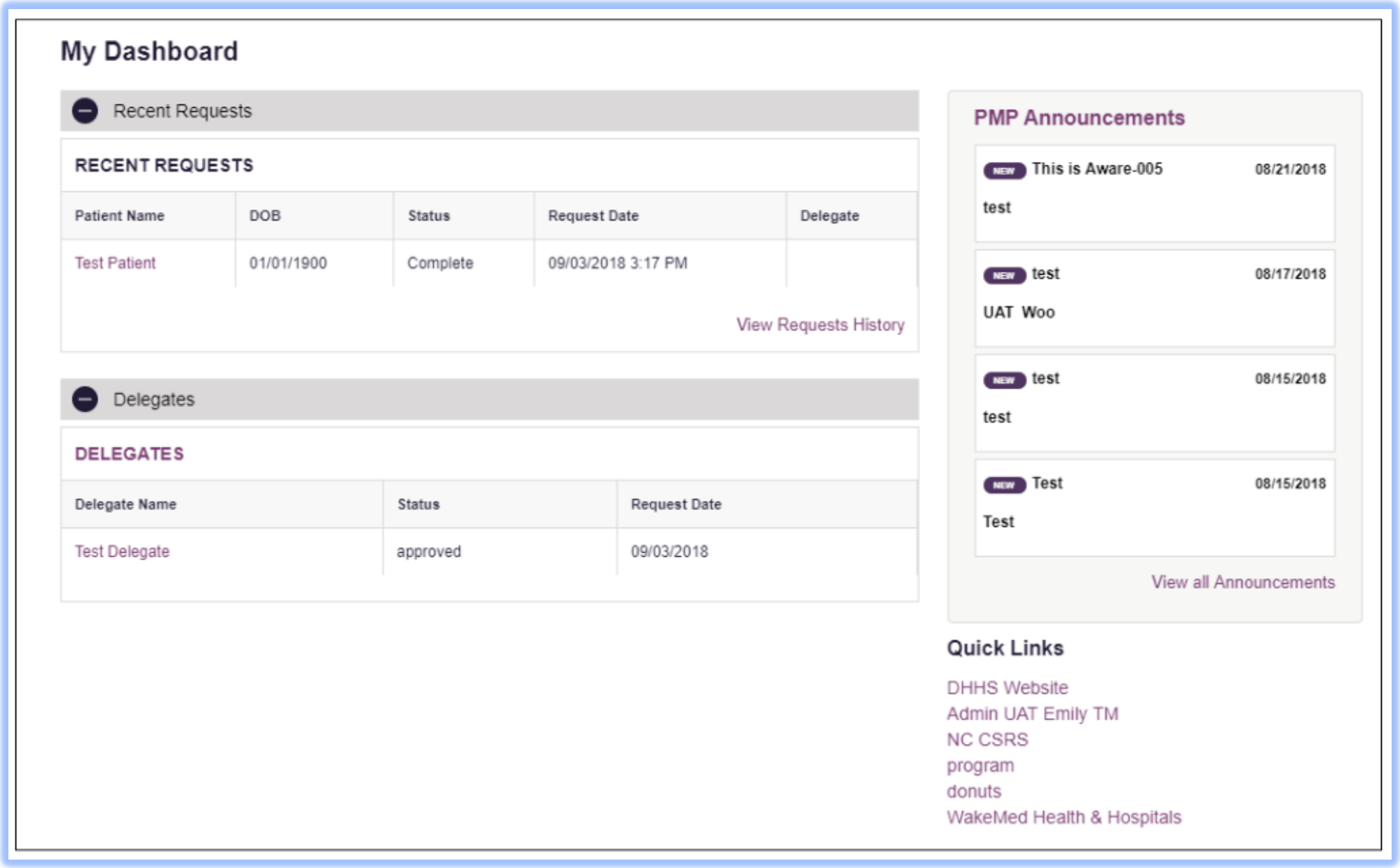
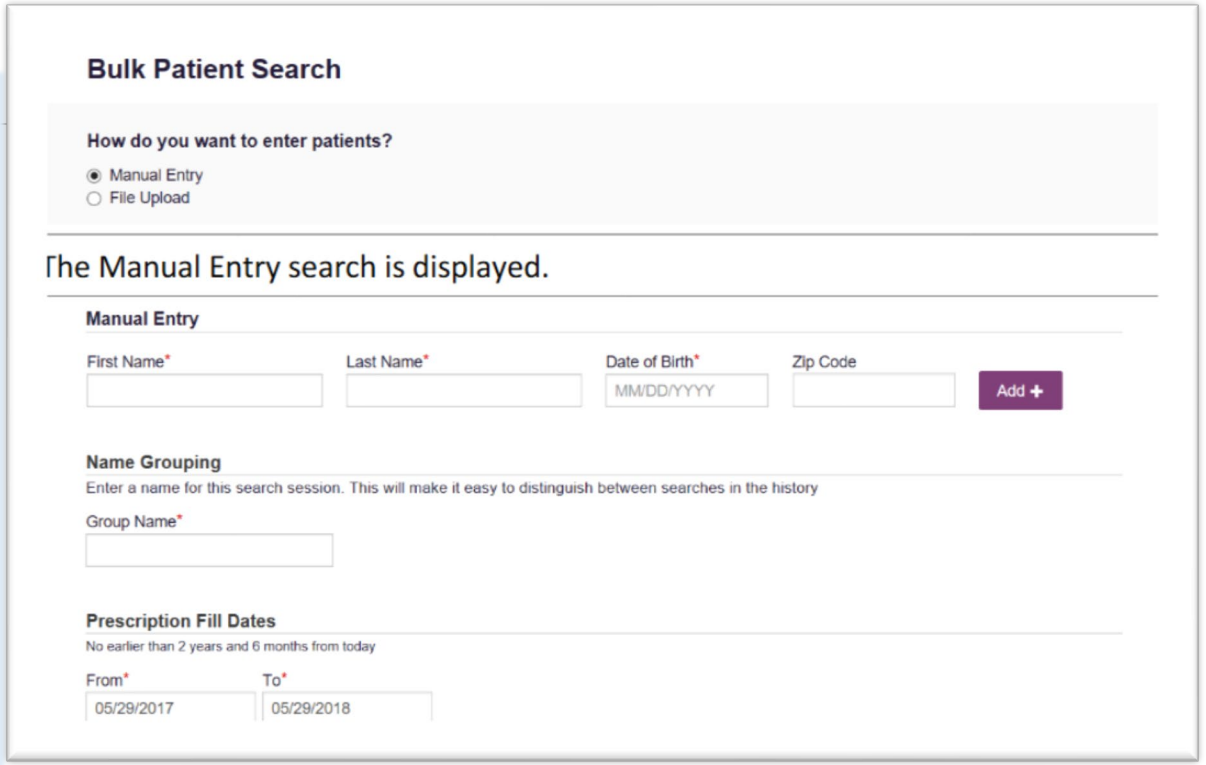
CCNC SPARC ECHO
March 20, 2019

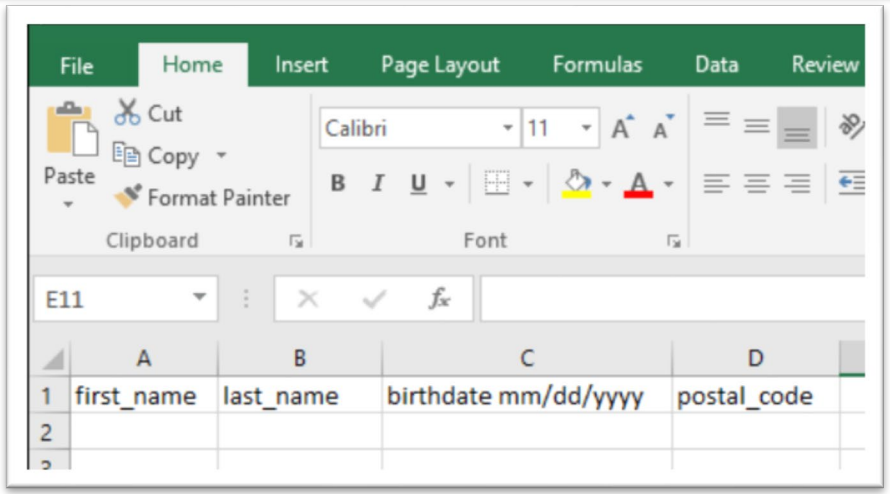
Your Dashboard



Workflow Options for CSRS Patient Searches

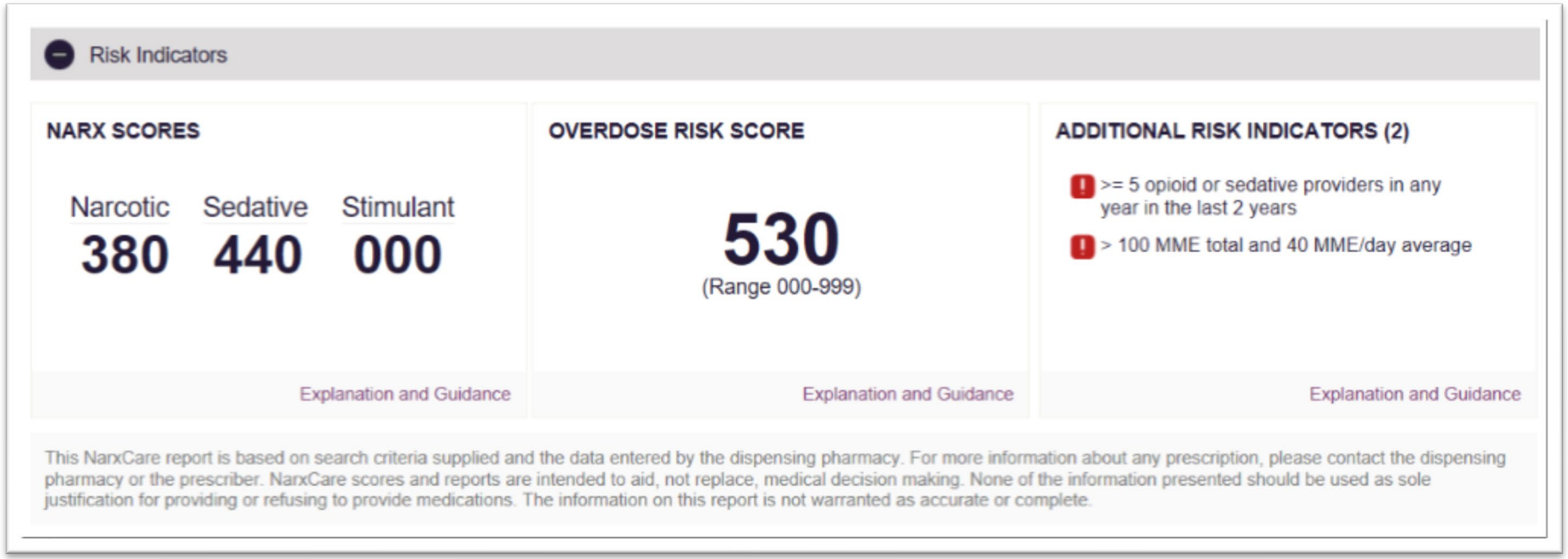
- Utilize delegate(s)
- Perform patient searches one at a time, as you need them
- Perform multiple patient searches at one time
  - Everyone scheduled in clinic that day or week
  - All patients for whom you prescribe opioids or benzodiazepines



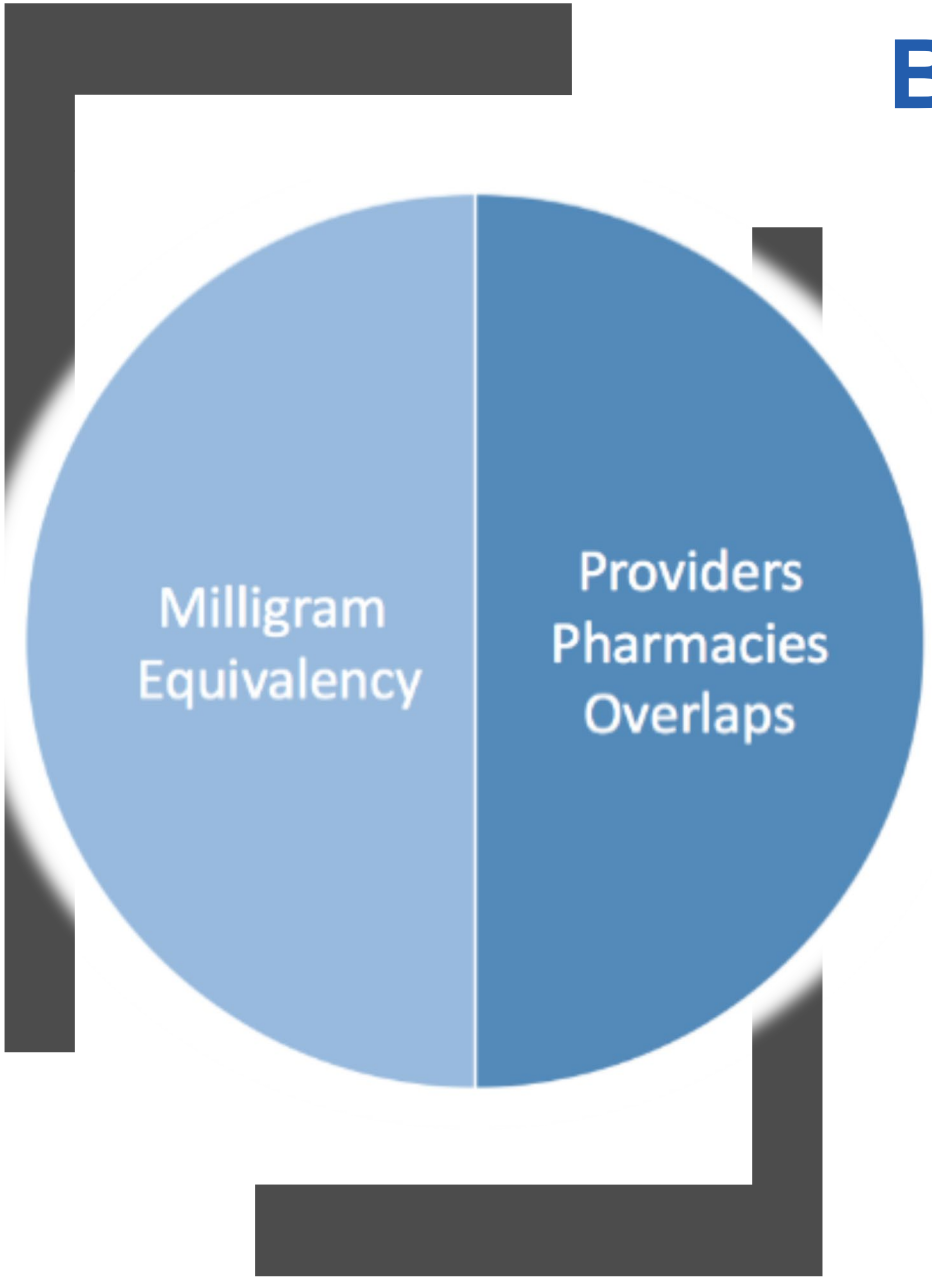


Interpreting Patient Reports: Overview of Narx Scores

- Scores for each of narcotics, sedatives, and stimulants plus Overdose Risk Score
- Scores range from 000 to 999
  - Higher scores equating to higher numbers of prescribers, MME, pharmacies, and overlapping prescriptions OR increased risk of unintentional overdose



Basics of Narx Scores



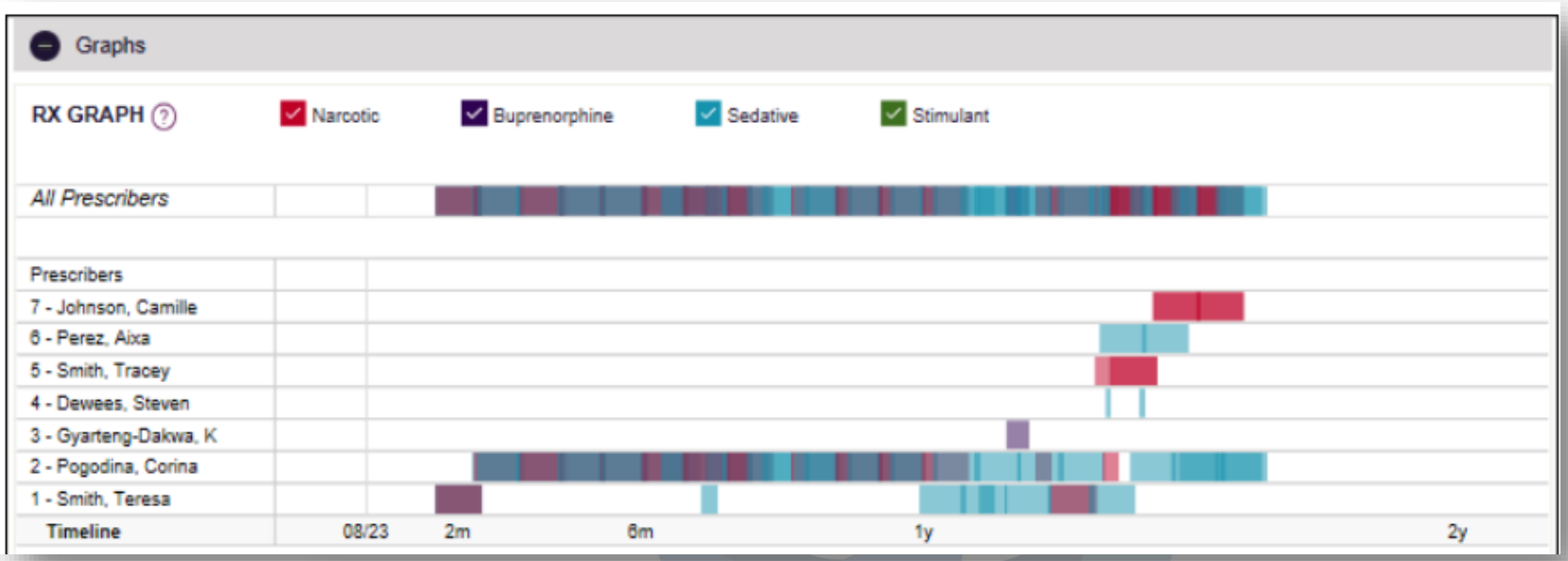
- Population-based scoring
- Focuses on 4 time periods
  - Last 2 months
  - Last 6 months
  - Last 1 year
  - Last 2 years
- The distribution of Narx Scores for patients found in a PDMP is approximated as follows:
  - 75% score less than 200
  - 5% score more than 500
  - 1% score more than 650

Basics of Narx Scores

The Narx Scores were designed such that:

- Patients who use small amounts of medication with limited provider and pharmacy usage will have low scores
- Patients who use large amounts of medications in accordance with recommended guidelines (single provider, single pharmacy, etc.) will have mid-range scores
- Patients who use large amounts of medications while using many providers and pharmacies, and with frequently overlapping prescriptions, will have high scores

Reviewing Prescription History: Overview in Graphs vs. Tables



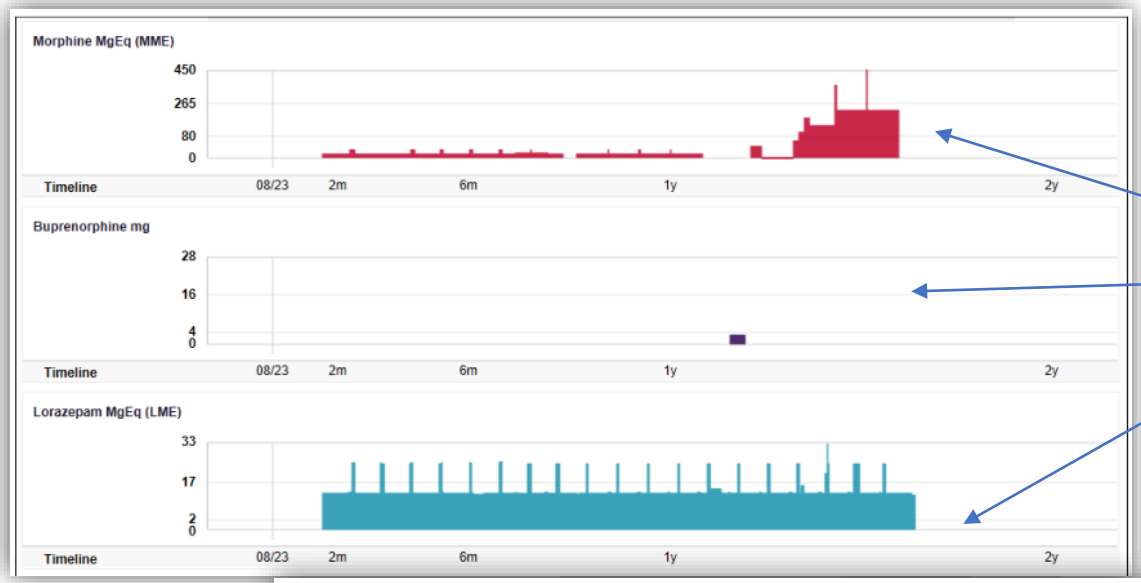
Rx Data

PRESCRIPTIONS

Total Prescriptions: 69
Total Private Pay: 2

Fill Date	ID	Written	Drug	Qty	Days	Prescriber	Rx #	Pharmacy	Refill	Daily Dose *	Pymt Type	PMP
06/08/2018	1	05/16/2018	ALPRAZOLAM 2 MG TABLET	90	30	[redacted]	[redacted]	[redacted]	0	12.00	LME Medicare	NC
06/08/2018	1	05/15/2018	ZOLPIDEM TARTRATE 10 MG TABLET	30	30	[redacted]	[redacted]	[redacted]	1	0.50	LME Medicare	NC
06/08/2018	1	05/14/2018	TRAMADOL HCL 50 MG TABLET	90	30	[redacted]	[redacted]	[redacted]	1	15.00	MME Medicare	NC
05/15/2018	1	05/15/2018	ZOLPIDEM TARTRATE 10 MG TABLET	30	30	[redacted]	[redacted]	[redacted]	0	0.50	LME Medicare	NC
05/14/2018	1	05/14/2018	TRAMADOL HCL 50 MG TABLET	90	30	[redacted]	[redacted]	[redacted]	0	15.00	MME Medicare	NC
05/12/2018	1	03/19/2018	ALPRAZOLAM 2 MG TABLET	90	30	[redacted]	[redacted]	[redacted]	2	12.00	LME Medicare	NC
04/16/2018	1	03/19/2018	ALPRAZOLAM 2 MG TABLET	90	30	[redacted]	[redacted]	[redacted]	1	12.00	LME Medicare	NC
04/16/2018	1	02/19/2018	ZOLPIDEM TARTRATE 10 MG TABLET	30	30	[redacted]	[redacted]	[redacted]	2	0.50	LME Medicare	NC
04/14/2018	1	02/20/2018	TRAMADOL HCL 50 MG TABLET	90	30	[redacted]	[redacted]	[redacted]	2	15.00	MME Medicare	NC

Reviewing Prescription History: Details in Graphs vs. Tables



By drug

Pharmacy and Provider Lists

PROVIDERS

Total Providers: 7

Name	Address	City	State	Zipcode	DEA
[redacted]	[redacted]	WILLIAMSTON	NC	27892	[redacted]
[redacted]	[redacted]	DURHAM	NC	27704	[redacted]
[redacted]	[redacted]	GREENVILLE	NC	27834	[redacted]
[redacted]	[redacted]	WILLIAMSTON	NC	27892	[redacted]
[redacted]	[redacted]	WILLIAMSTON	NC	27892	[redacted]
[redacted]	[redacted]	WILLIAMSTON	NC	27892	[redacted]
[redacted]	[redacted]	GREENVILLE	NC	27834	[redacted]

PHARMACIES

Total Pharmacies: 1

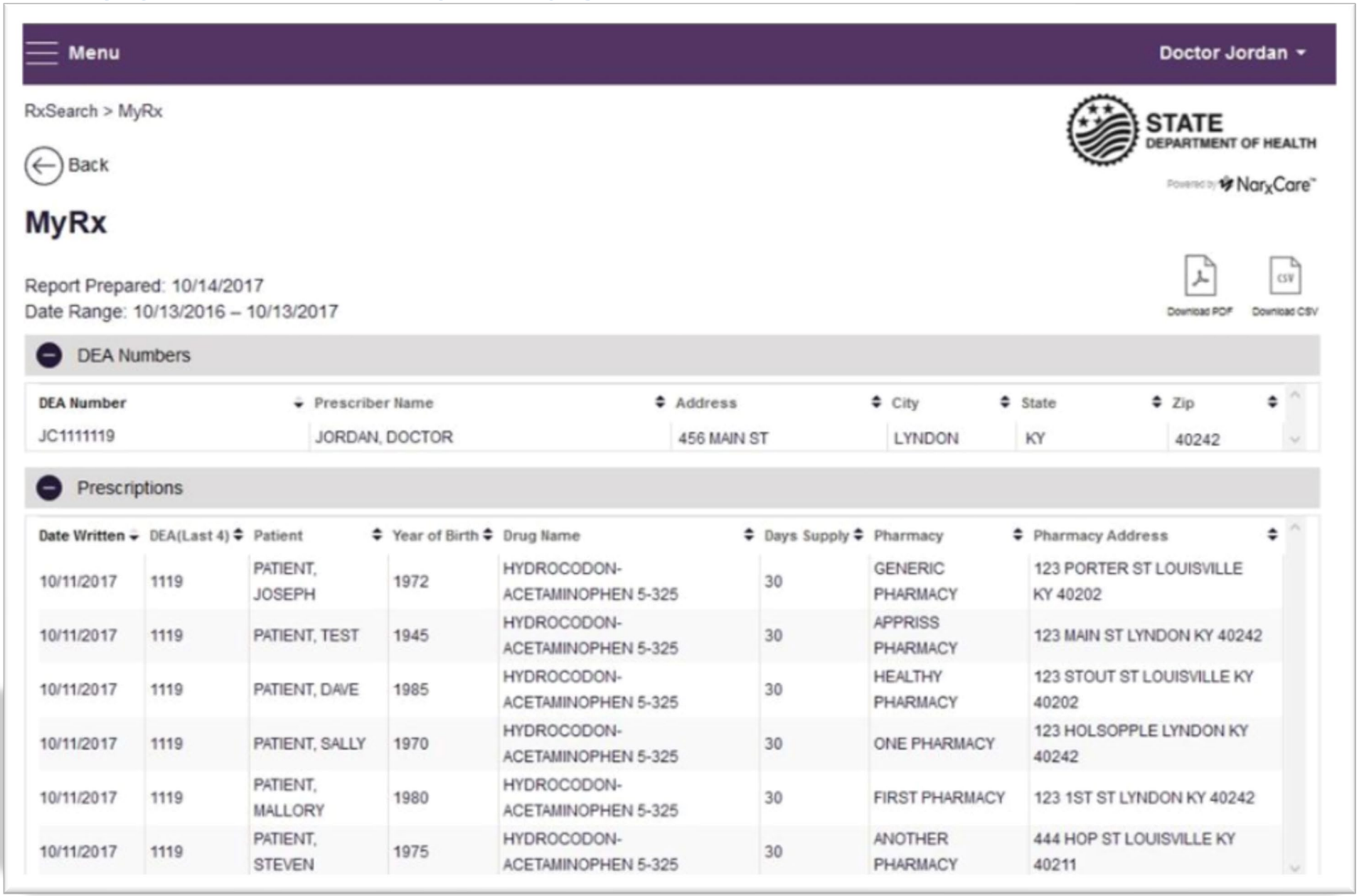
Name	Address	City	State	Zipcode	DEA
[redacted]	[redacted]	WILLIAMSTON	NC	27892	[redacted]

Overdose Risk Score

ORS	Odds Ratio of Unintentional Overdose Death
000-199	1
200-299	10
300-399	12
400-499	25
500-599	44
600-699	85
700-799	141
800-899	194
900-999	329

- This algorithm was derived using machine learning and other predictive techniques applied to a large case series of over 5,000 unintentional overdose deaths
- Scores > 650 approximately correlate to opioid doses > 90 MME

Monitor Prescriptions Associated with Your DEA Number



Menu

Doctor Jordan

RxSearch > MyRx

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STATE DEPARTMENT OF HEALTH

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MyRx

Report Prepared: 10/14/2017
Date Range: 10/13/2016 – 10/13/2017

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DEA Numbers

DEA Number	Prescriber Name	Address	City	State	Zip
JC1111119	JORDAN, DOCTOR	456 MAIN ST	LYNDON	KY	40242

Prescriptions

Date Written	DEA(Last 4)	Patient	Year of Birth	Drug Name	Days Supply	Pharmacy	Pharmacy Address
10/11/2017	1119	PATIENT, JOSEPH	1972	HYDROCODON-ACETAMINOPHEN 5-325	30	GENERIC PHARMACY	123 PORTER ST LOUISVILLE KY 40202
10/11/2017	1119	PATIENT, TEST	1945	HYDROCODON-ACETAMINOPHEN 5-325	30	APPRISS PHARMACY	123 MAIN ST LYNDON KY 40242
10/11/2017	1119	PATIENT, DAVE	1985	HYDROCODON-ACETAMINOPHEN 5-325	30	HEALTHY PHARMACY	123 STOUT ST LOUISVILLE KY 40202
10/11/2017	1119	PATIENT, SALLY	1970	HYDROCODON-ACETAMINOPHEN 5-325	30	ONE PHARMACY	123 HOLSOPPLE LYNDON KY 40242
10/11/2017	1119	PATIENT, MALLORY	1980	HYDROCODON-ACETAMINOPHEN 5-325	30	FIRST PHARMACY	123 1ST ST LYNDON KY 40242
10/11/2017	1119	PATIENT, STEVEN	1975	HYDROCODON-ACETAMINOPHEN 5-325	30	ANOTHER PHARMACY	444 HOP ST LOUISVILLE KY 40211

Resources

1. Information in this presentation was obtained from the NC Controlled Substance Reporting System user guide, available at: https://d1b1sdx6nwlphm.cloudfront.net/aware/nc_aws_prod/narxcare_user_guide.pdf

2. CSRS frequently asked questions, provided by NC DHHS: https://www.ncdhhs.gov/divisions/mhddsas/ncdcu/csrs