Prescription Monitoring Program
Bureau of Drug Control
Objectives:

• Review South Carolina’s Prescription Monitoring Program (SC PMP)

• Describe the architecture of an integration with SC PMP

• Discuss the impact of integration on PMP usage

• Describe the benefits of technology to providers
WHAT IS SCRIPTS?

• **C II- CIV** prescriptions dispensed in SC are uploaded daily by the dispensing pharmacy/practitioner to Appriss (our vendor).

• An authorized user (practitioner/pharmacist/delegate) logs into the SCRIPTS database and queries their patient.

• The practitioner/pharmacist uses the SCRIPTS report to make informed healthcare decisions. The user will verify any data on the report, if necessary.
SCRIPTS features:

• Over 60 million records in SCRIPTS

• MED (MME) on SCRIPTS patient report

• Patient summary at top of SCRIPTS report

• Prescriber can look up their own prescribing history (My RX)

• Access data from 34 other states
Appropriate uses of SCRIPTS

- New patient encounter
- Monitoring compliance
- Avoiding therapeutic duplication or drug interactions
- Coordination of care
8 Evidence Based Practices*:
Increasing prescriber utilization of PDMPs

1. Prescriber use mandates: Requiring a prescriber to view a patient’s PDMP data
2. Delegation: Allowing prescribers to designate someone on staff
3. Unsolicited reports: Proactively sending communications from PDMP staff
4. Data timeliness: Uploading information into the database
5. Streamlined enrollment: Instituting automatic PDMP registration
6. Educational and promotional initiatives: To promote the program, including prescriber training
7. Health information technology (IT) integration: Combining PDMP data with other data
8. Enhanced user interfaces: Implementing user-friendly technologies

Source: http://www.pewtrusts.org/~media/assets/2016/12/prescription_drug_monitoring_programs.pdf
Our Goal

Place prescription monitoring data into the clinical workflow of prescribers and pharmacists in an effort to improve medical care in SC.
• In 2012 South Carolina joined the PMP InterConnect to facilitate interoperability and interstate data sharing between state PMPs.

• Currently sharing data with 34 states.
PMP Gateway: A Health IT Connectivity Platform for PMP Data

Pharmacists

Prescribers

Health Exchanges
PMP/EHR INTEGRATION

• PMP tab within EHR
  o bypass extra sign on
  o stay within clinical workflow
  o no need to enter patient information

• Patient name works off exact match
  o might not return all results
  o Use PMP Aware for further research
Facilities Currently Integrated

1. Palmetto Health
2. Lexington Medical Center
3. MUSC
4. Doctors Care
5. Kroger
6. Rx Care Plus Pharmacies
7. SCHIEx- for DMH
8. GHS - agreement
<table>
<thead>
<tr>
<th>Year</th>
<th>Prescribers</th>
<th>Pharmacists</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>619</td>
<td>324</td>
<td>943</td>
</tr>
<tr>
<td>2012</td>
<td>3,058</td>
<td>784</td>
<td>3,842</td>
</tr>
<tr>
<td>2014</td>
<td>3,666</td>
<td>1,827</td>
<td>5,493</td>
</tr>
<tr>
<td>2015</td>
<td>4,512</td>
<td>2,506</td>
<td>7,018</td>
</tr>
<tr>
<td>2016</td>
<td>10,738</td>
<td>3,202</td>
<td>13,940</td>
</tr>
<tr>
<td>2017</td>
<td>15,146</td>
<td>3,907</td>
<td>19,053</td>
</tr>
</tbody>
</table>
South Carolina’s Integrations (2016)

Practitioners accessing PMP through Aware: 7,136
Practitioners accessing PMP through Gateway: 685

Prescription Searches through Aware vs Gateway:

Aware: 2,612,483
Gateway: 2,212,051
Contact Us

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Tracie Paschall, CPhT, Program Coordinator

803-896-0688

scripts@dhec.sc.gov

www.dhec.sc.gov/scripts
### Triage Documentation
- Selected visit
- No results found

### Patient Information
- Primary Physician: No results found
- Admitting Physician: No results found
- Last Visit: No results found

### CSSRS Score & General Info
- Selected visit
- No results found

### Measurements and Weights
- No results found

### Visits
- All Visits
- No results found

### Procedure History
- All Visits
- No results found

### Consolidated Problems
- All Visits
- No results found

### ED Summary

### Quick Orders - ED

### Workflow

### Discharge

### Prescription Drug Monitoring (PMP) Last 2 years
- Disclaimer: PMP Getway, NarOXCheck, and NarCare rely upon data provided by state P...

### Medications

- Last 24 hours for all visits
- Scheduled (0)
- Continuous (0)
- PRN/Unscheduled Available (0)
- Administered (0) Last 24 hours
- Suspended (0)
- Discontinued (0) Last 24 hours

### Vital Signs
- Last 48 hours for all visits
- No results found

### VisualDx
- Selected Visit

### Diagnostics
- Last 1 months for all visits
- No results found

### New Order Entry
- Inpatient: Discharge Prescription
- No health plans found.

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You are currently viewing a discharged patient. Any order you place will apply to this encounter.
### Risk Indicators

<table>
<thead>
<tr>
<th>Narx Scores</th>
<th>Overdose Risk Score</th>
<th>Red Flags (0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Narcotic</td>
<td>000</td>
<td>000</td>
</tr>
<tr>
<td>Sedative</td>
<td>000</td>
<td>000</td>
</tr>
<tr>
<td>Stimulant</td>
<td>000</td>
<td>000</td>
</tr>
</tbody>
</table>

Explain these scores
Explain the overdose risk score
Explain these red flags

### Graphs

**Rx Graph**
- Narcotic
- Sedative
- Stimulant

**Prescribers**

<table>
<thead>
<tr>
<th></th>
<th>09/21</th>
<th>2m</th>
<th>6m</th>
<th>1y</th>
<th>2y</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morphine Meq/day</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>320</td>
<td>200</td>
<td>80</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Per CDC guidance, the conversion factors and associated daily morphine milligram equivalents for drugs prescribed as part of medication-assisted treatment for opioid use disorder should not be used to benchmark against dosage thresholds meant for opioids prescribed for pain.

### Rx Data

**Prescriptions**
- Total Prescriptions: 0
- Active MME: 0.00
- Active MME/day: 0.00
- 30 Day Avg. MME/day: 0.00

**Providers**
- Total Providers: 0

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zipcode</th>
<th>DEA</th>
</tr>
</thead>
</table>

**Pharmacies**
- Total Pharmacies: 0

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zipcode</th>
<th>DEA</th>
</tr>
</thead>
</table>
NARCOTIC 290
SEDATIVE 200
STIMULANT 000

NARCScores can range from 000 to 999. The first two digits represent the composite percentile risk based on an overall analysis of prescription drug use. The third digit represents the number of active prescriptions. The distribution of scores in the population is such that approximately 75% fall below 200, 90% fall below 500 and 95% fall below 500. The information on this report is not warranted as accurate or complete. The report is based on the search criteria supplied and the data entered by the dispensing pharmacy. For more information about any prescription, please contact the dispensing pharmacy of the prescriber. NARCScores and Reports are intended to aid, not replace medical decision making. None of the information presented should be used as sole justification for providing or refusing to provide medications.
### 2016 Palmetto Health

<table>
<thead>
<tr>
<th>Month</th>
<th>Users</th>
<th>NARxCHECK Fetches</th>
<th>NARxCHECK Views</th>
<th>% Viewed</th>
<th>Min Saved per Search (Estimate)</th>
<th>Time Saved in Hours</th>
<th>Min Saved per View (Estimate)</th>
<th>Time Saved in Hours</th>
<th>Total Time Saved in Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>60</td>
<td>27,947</td>
<td>733</td>
<td>2.6%</td>
<td>3</td>
<td>110</td>
<td>1.0</td>
<td>12</td>
<td>122</td>
</tr>
<tr>
<td>Feb</td>
<td>64</td>
<td>28,716</td>
<td>765</td>
<td>2.7%</td>
<td>3</td>
<td>115</td>
<td>1.0</td>
<td>13</td>
<td>128</td>
</tr>
<tr>
<td>Mar</td>
<td>261</td>
<td>70,603</td>
<td>2,566</td>
<td>3.6%</td>
<td>3</td>
<td>385</td>
<td>1.0</td>
<td>43</td>
<td>428</td>
</tr>
<tr>
<td>Apr</td>
<td>335</td>
<td>123,967</td>
<td>5,325</td>
<td>4.3%</td>
<td>3</td>
<td>799</td>
<td>1.0</td>
<td>89</td>
<td>888</td>
</tr>
<tr>
<td>May</td>
<td>355</td>
<td>120,016</td>
<td>5,387</td>
<td>4.5%</td>
<td>3</td>
<td>808</td>
<td>1.0</td>
<td>90</td>
<td>898</td>
</tr>
<tr>
<td>Jun</td>
<td>286</td>
<td>115,445</td>
<td>5,830</td>
<td>5.1%</td>
<td>3</td>
<td>875</td>
<td>1.0</td>
<td>97</td>
<td>972</td>
</tr>
<tr>
<td>Jul</td>
<td>439</td>
<td>138,969</td>
<td>6,323</td>
<td>4.5%</td>
<td>3</td>
<td>948</td>
<td>1.0</td>
<td>105</td>
<td>1054</td>
</tr>
<tr>
<td>Aug</td>
<td>538</td>
<td>218,747</td>
<td>8,374</td>
<td>3.8%</td>
<td>3</td>
<td>1256</td>
<td>1.0</td>
<td>140</td>
<td>1395</td>
</tr>
<tr>
<td>Sep</td>
<td>559</td>
<td>214,220</td>
<td>7,395</td>
<td>3.5%</td>
<td>3</td>
<td>1109</td>
<td>1.0</td>
<td>123</td>
<td>1233</td>
</tr>
<tr>
<td>Totals</td>
<td>673</td>
<td>1058630</td>
<td>42698</td>
<td>4.0%</td>
<td>3</td>
<td>6405</td>
<td>1.0</td>
<td>712</td>
<td>7116</td>
</tr>
</tbody>
</table>

#### 2016 Annualized Projection

- Total Time Saved: 1,411,507 Hours
- Total Time Saved: 56,931 Days
New Features

- **NEW Overdose Risk Score (ORS)** – Predictive score
  - Based on a 2014 Ohio based study that review 1,687 unintentional overdose deaths, developed using modern data science techniques.
- Range from 000-990
- Uses more than 70 variable to create ORS.
  - Number of distinct provider visits in a specific time windows
  - Number of distinctive pharmacy visits in a specific time windows
  - MME amounts per time windows for narcotics and sedatives

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New Features

- **Red Flags** – *new*
  - More than 5 providers in any year (365)
  - More than 4 pharmacies in any 90 day period
  - More than 40 morphine milligram equivalent per day (40MED) average and more than 100 MME total at any time in the previous 2 years.
  - Red flag identifiers within the PMP data have been shown to predict an adverse outcome, specifically an unintentional overdose death.
  - Non-fatal overdose data will be displayed in this section of the report as well.