

# Better Prescription Monitoring

Currently, thirty-six states mandate providers use their state prescription monitoring program (PMP) prior to prescribing controlled substances. Retrieving and evaluating PMP reports places heavy time demands on the practice, often more than four minutes per patient. The state PMP, which providers access via a website, presents major problems:

1. Accessing reports requires time consuming manual data entry subject to human error,
2. Retrieving, printing, presenting, and archiving the reports takes significant clerical time, and
3. Interpreting reports can be challenging; default reports have rows and rows of text without graphs, alerts, or other aids to rapid comprehension.

## Overview - Automation, Alerts, and Analytics

### Access, Alerts, Analytics

PastRx retrieves and analyzes PMP data and then presents clinicians with alerts to speed and augment analysis. PastRx automates “stare and compare” tasks including calculating the MME/day (Morphine Milligram Equivalent / day, identifying suspicious gaps between the write and fill dates, identifying prescribers from outside your practice, and many other assessments to bring needed information regarding your patient’s history to your attention quickly and clearly.

### PMP Reports

PastRx provides PMP reports two ways.

1. **Scheduled Patients.** PASTRx requests PMP reports for all next day patient appointments. This mode requests, analyzes and archives each PMP report and presents alerts to the physician upon arrival each morning.
2. **On-Demand PMP Reports.** For unscheduled patients, clinicians enter patient information and receive the same augmented PMP report with alerts, analysis, and archiving.

PastRx reduces the time to access, analyze, interpret, and archive PMP reports. Our service gives you an evidence-based way to discuss your patient’s full prescription history.

PastRx provides benefits including:

- Saving four+ minutes per patient through automated report retrieval, analysis, and archiving
- Detecting patient risks earlier and more often through computer analysis
- Augmenting clinical evaluation by better presentation avoiding “stare and compare”
- Providing more information and context immediately (maps, history, etc.) with a click
- Improving trust between physician and patient by providing evidence-based risk alerts
- Providing consistent, compliant PMP report collection

# PastRx versus Paper PMP Reports

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The basic PMP report assessment takes 4 – 10 Minutes per patient.

Fill Date	Product, Str, Form	Qty	Days	Patient	Prescriber	Written	Rx #	Daily MED	Active	Pharm	Pay
1/28/2014	CARISOPRODOL 300 MG TAB	90	30	1416	PRE 1	12/1/2013	729999	-	N	PHARM1	CI
1/6/2014	ALPRAZOLAM 2 MG TAB	120	30	1416	PRE 1	1/16/2013	729999	-	N	PHARM1	CI
12/28/2013	HYDROCODORPHONE 4 MG TAB	120	30	1416	PRE 2	11/26/2013	729288	64	N	PHARM1	CI
12/28/2013	MORPHINE 30 MG TAB	60	30	1416	PRE 2	11/26/2013	729288	60	N	PHARM1	CI
12/17/2013	CARISOPRODOL 300 MG TAB	90	30	2197	PRE 1	12/17/2013	04032661	-	N	PHARM2	MI
12/12/2013	ALPRAZOLAM 2 MG TAB	120	30	1416	PRE 1	11/16/2013	729288	-	N	PHARM1	CI
11/27/2013	HYDROCODORPHONE 4 MG TAB	120	30	1416	PRE 2	11/21/2013	726729	64	N	PHARM1	C
11/27/2013	MORPHINE 30 MG TAB	60	30	1416	PRE 2	11/21/2013	726729	60	N	PHARM1	CI
11/18/2013	ALPRAZOLAM 2 MG TAB	120	30	1416	PRE 1	11/18/2013	729288	-	N	PHARM1	C
11/16/2013	ALPRAZOLAM 2 MG TAB	16	4	2197	PRE 1	11/16/2013	04032678	-	N	PHARM2	MI
11/9/2013	CARISOPRODOL 300 MG TAB	90	30	2197	PRE 1	11/9/2013	04032630	-	N	PHARM2	MI
10/29/2013	HYDROCODORPHONE 4 MG TAB	120	30	2822	PRE 2	10/29/2013	874746	64	N	PHARM1	CI
10/29/2013	MORPHINE 30 MG TAB	60	30	2822	PRE 2	10/29/2013	874746	60	N	PHARM1	CI
10/21/2013	ALPRAZOLAM 2 MG TAB	120	30	2197	PRE 1	10/21/2013	04032685	-	N	PHARM2	MI
10/15/2013	HYDROCODORPHONE 4 MG TAB	84	14	2822	PRE 3	10/14/2013	973646	90*	N	PHARM1	CI
10/15/2013	MORPHINE 30 MG TAB	28	14	2197	PRE 3	10/14/2013	02038003	80	N	PHARM2	MI
10/17/2013	ALPRAZOLAM 2 MG TAB	120	30	1416	PRE 1	10/20/2013	713058	-	N	PHARM3	C
9/19/2013	ALPRAZOLAM 2 MG TAB	120	30	2197	PRE 1	9/19/2013	4531700	-	N	PHARM2	MI
9/18/2013	CARISOPRODOL 300 MG TAB	90	30	2197	PRE 1	8/23/2013	4531144	-	N	PHARM2	MI
9/15/2013	ALPRAZOLAM 2 MG TAB	30	1	1416	PRE 4	8/26/2013	713058	50	N	PHARM3	C
8/31/2013	ALPRAZOLAM 2 MG TAB	96	24	2197	PRE 1	6/26/2013	4529975	-	N	PHARM2	MI
8/28/2013	ALPRAZOLAM 2 MG TAB	120	30	1416	PRE 1	8/28/2013	713058	-	N	PHARM3	C
8/29/2013	LYRICA 75 MG CAP	14	7	2855	PRE 5	8/29/2013	0603782	-	N	PHARM4	CI
8/29/2013	CARISOPRODOL 300 MG TAB	90	30	2197	PRE 1	8/29/2013	4531144	-	N	PHARM2	MI
8/18/2013	CARISOPRODOL 250 MG TAB	30	1	2197	PRE 1	8/17/2013	4531055	-	N	PHARM2	MI
8/8/2013	MORPHINE 15 MG TAB	60	30	0869	PRE 5	8/8/2013	225542	16	N	PHARM2	MI
8/8/2013	MORPHINE 30 MG TAB	30	1	0869	PRE 5	8/8/2013	225542	30	N	PHARM2	MI
8/6/2013	CARISOPRODOL 300 MG TAB	90	30	2197	PRE 1	7/20/2013	4520779	-	N	PHARM2	MI
8/5/2013	ALPRAZOLAM 2 MG TAB	120	30	2197	PRE 1	8/5/2013	4529975	-	N	PHARM2	MI
8/2/2013	ALPRAZOLAM 2 MG TAB	120	30	1416	PRE 1	8/2/2013	713058	-	N	PHARM3	C
7/13/2013	CARISOPRODOL 300 MG TAB	90	30	2197	PRE 1	8/23/2013	4530029	-	N	PHARM2	MI
7/10/2013	ALPRAZOLAM 2 MG TAB	120	30	2197	PRE 6	7/10/2013	4530257	-	N	PHARM2	MI
7/10/2013	MORPHINE 30 MG TAB	60	30	2822	PRE 7	7/10/2013	958471	60	N	PHARM3	C
6/28/2013	ALPRAZOLAM 2 MG TAB	12	3	2197	PRE 1	6/28/2013	4529975	-	N	PHARM2	C
6/20/2013	ALPRAZOLAM 2 MG TAB	12	3	2197	PRE 1	6/20/2013	4529975	-	N	PHARM2	C
6/20/2013	ALPRAZOLAM 2 MG TAB	120	30	3481	PRE 1	6/20/2013	2006069	-	N	PHARM4	C
6/5/2013	HYDROCODORPHONE 4 MG TAB	90	30	1416	PRE 4	6/3/2013	712370	48	N	PHARM3	C
6/2/2013	MORPHINE 15 MG TAB	60	30	1416	PRE 4	6/2/2013	712370	30	N	PHARM3	C

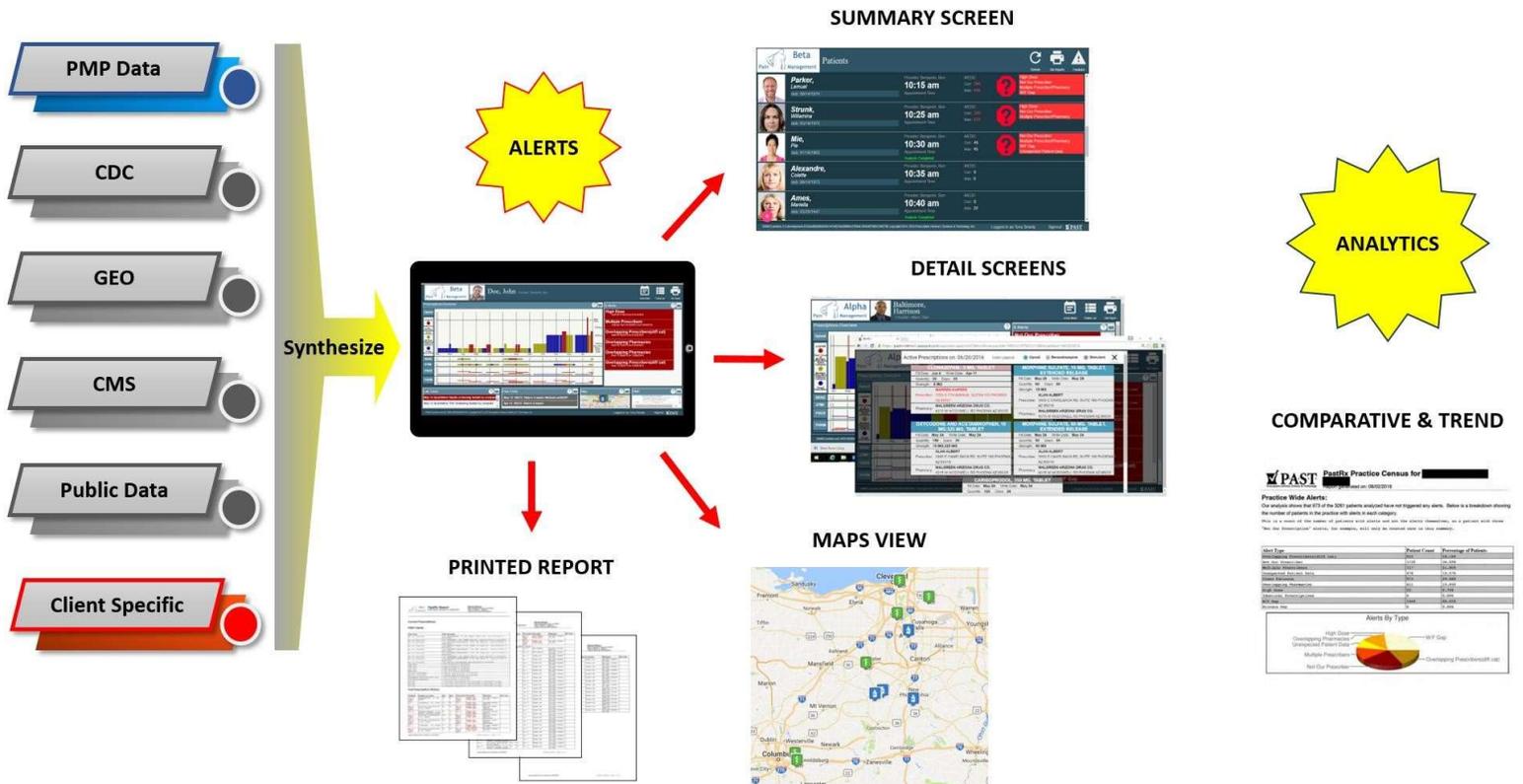
Patient Name	Appt Time	current MEDD	maximum MEDD	High Dose	Other Prov	Multi Prov	W/F Gap	Data Alert	No PMP
Almorhea, Amethyst 03/23/1972	7:00	105	105	↑	↑	↑	↑	↑	↑
Haricot, Selene 01/21/1941	8:30	167	167	↑	↑	↑	↑	↑	↑
Amaranth, Regina 07/18/1953	9:00	49	49	↑	↑	↑	↑	↑	↑
Latham, Meryl 04/15/1972	9:15	64	64	↑	↑	↑	↑	↑	↑
Turner, Daniel 01/28/1980	9:30	384	384	↑	↑	↑	↑	↑	↑
Baltimore, Harrison 11/03/1984	7:30	285	465	↑	↑	↑	↑	↑	↑

PMP report (may be multiple pages)

See problems instantly with PastRx

Task	Owner
1 – Log into PMP	Medical Assistant
2 – Enter patient info	Medical Assistant
3 – Wait for response	PMP
4 – Print report	Medical Assistant
5 – Initial report review	Medical Assistant
6 – Attach report to patient's file	Medical Assistant
7 – Physician report review	Physician
8 – Create record of review (in EMR)	Medical Assistant

# How PastRx Works



## PastRx gets more data and does more with it

PastRx enhances PMP data with information from other places and your own practice to provide you with a more complete picture of your patient and their prescription history. With more complete context and better visualization, you can identify patient risks fast and follow up with evidence-based discussions to deal with overdose, abuse, and diversion concerns. And you can have more confidence that your patient isn't one of the 18 million Americans with a substance abuse problem.

PastRx analyzes the information and presents real-time alerts to improve your ability to identify risks and deal with them proactively.

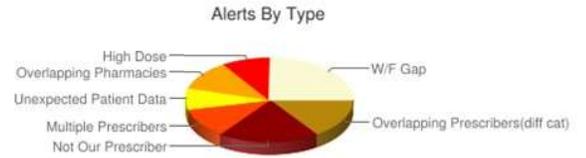
PastRx also looks at the big picture and lets you see patterns within your practice and patient population.

# PastRx Analytics

PastRx reports on patient, physician, practice, and enterprise activity. Here of some sample reports in different categories. In our service, these reports are all interactive.

## Patient Oriented Analytics

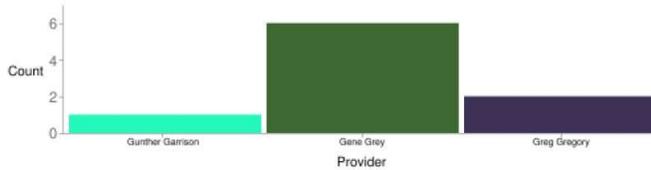
- Alert analysis
- Drug analysis
- 3<sup>rd</sup> party analysis (other prescribers, multiple pharmacies, etc.)
- Trends (MEDD increasing/decreasing)



Alert Type	Patient Count	Percentage of Patients
Overlapping Prescribers(diff cat)	9	39.13%
Not Our Prescriber	16	69.57%
Multiple Prescribers	6	26.09%
Unexpected Patient Data	2	8.70%
Clean Patients	6	26.09%
Overlapping Pharmacies	5	21.74%
High Dose	2	8.70%
Identical Prescriptions	0	0.00%
W/F Gap	11	47.83%
Private Pay	0	0.00%

## Physician/Practice Oriented Analytics

Provider Name	Overlapping Prescribers(diff cat)	Not Our Prescriber	Multiple Prescribers	Unexpected Patient Data	Clean Patients	Overlapping Pharmacies	High Dose	W/F Gap
Gene Grey	66.67%	62.50%	66.67%	100.00%	66.67%	80.00%	50.00%	81.82%
Greg Gregory	22.22%	31.25%	33.33%	0.00%	0.00%	20.00%	50.00%	18.18%
Gunther Garrison	11.11%	6.25%	0.00%	0.00%	33.33%	0.00%	0.00%	0.00%



Efficacy of using PMP data in clinical care delivery

## Enterprise Analytics

- Clinical practice analysis
- Proactive evaluation of prospective merger/acquisition

Distribution of "Our" Prescriptions

