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Quantifying Patient Safety: Compliance, Alerts, and Good Catches with Smart Pump Interoperability

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Introduction



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Navigating Zoom

Q&A Box: For any questions or comments throughout the presentation

Post-Meeting Survey: Following today's meeting, please let us know how we can improve going forward

National Infusion Collaborative



>800
Hospitals



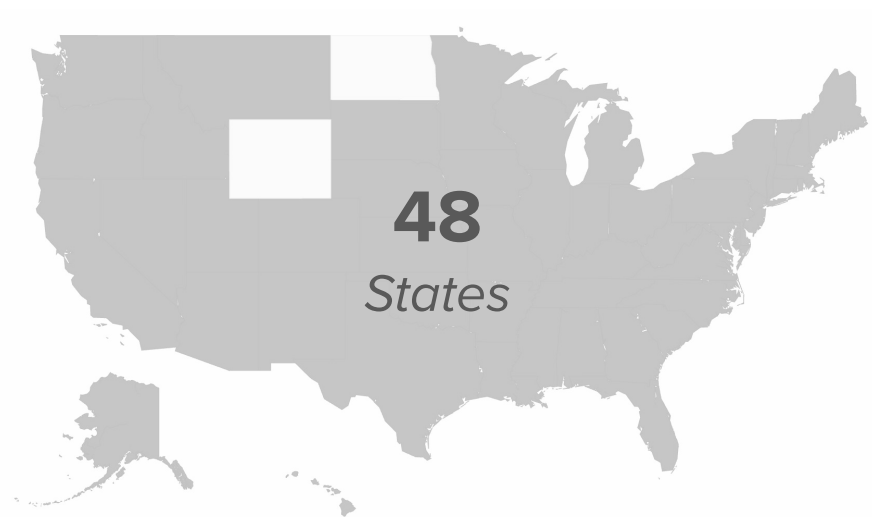
>190,000
Infusion Pumps



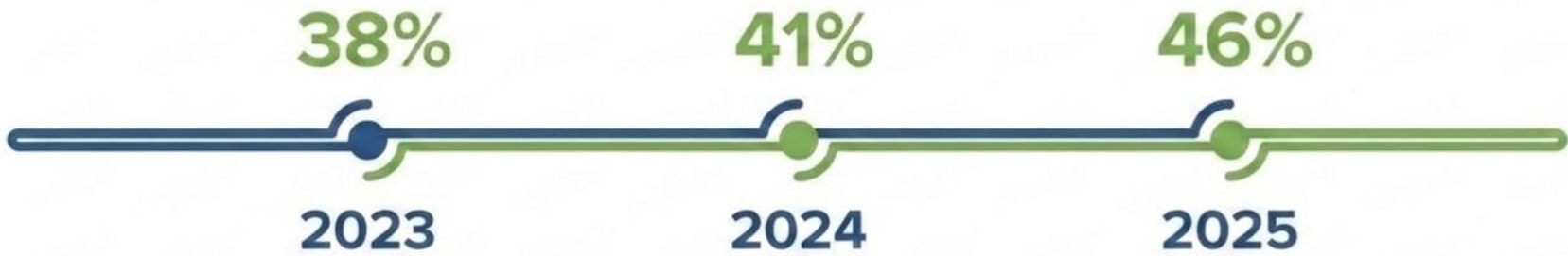
3 billion
Infusion Records



>14 million
Alerts



Health Systems Live with Interoperability



Audience Poll Question #1



If you are live on interoperability, what KPI do you track regularly?

(Select all that apply)

1. DERS compliance
2. Interoperability compliance
3. Alert rate
4. Override Rate
5. Harms averted (good catches)
6. Other

KPI Comparison



Date Range: 1/1/26 – 6/30/26

	Infusions	Interoperability Utilization	DERS Compliance	Alert Rate	Override Rate
Non-Interoperability	20 million	N/A	89.4%	6.9%	67.1%
Interoperability	25 million	65%	91.1%	5.1%	71.2%

KPI Comparison



Date Range: 1/1/26 – 6/30/26

	<u>Continuous Infusions</u>		<u>Intermittent Infusions</u>	
	Alert Rate	Override Rate	Alert Rate	Override Rate
Non-Interoperability	6.3%	66.1%	9.2%	66.1%
Interoperability	5.9%	68.1%	5.3%	72.6%

Audience Poll Question #2



If you are live on interoperability, did your KPI metrics change as you expected?

1. Yes, all KPI metrics improved
2. Yes, some KPI metrics improved
3. No Change
4. No, all KPI metrics worsened
5. No, some KPI metrics worsened

KPI Comparison



Date Range: 1/1/26 – 6/30/26



Good Catches per 1000 Infusions

Non-Interoperability

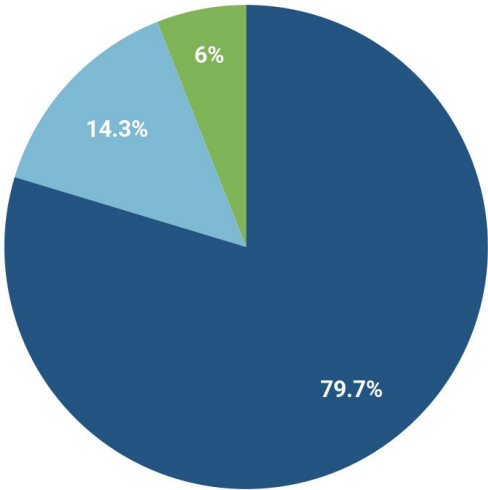
2.4

Interoperability

1.1



Good Catch Types with Interoperability



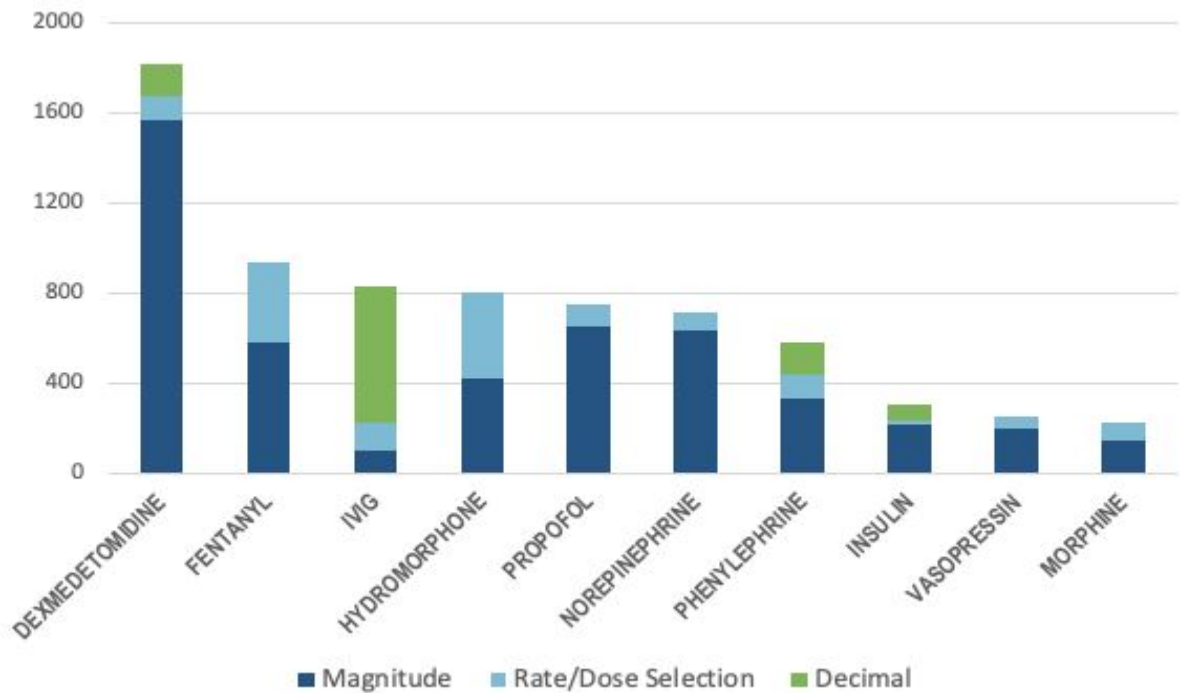
- Magnitude
- Rate/Dose Selection
- Decimal



National Infusion Collaborative



Good Catches with Interoperability



- The incidence of health systems live with interoperability continues to increase across the National Infusion Collaborative
- Interoperable sites display improved DERS compliance, a lower alert rate, and a slightly higher override rate
- Within the National Infusion Collaborative, regarding interoperability, the most common type of good catches are magnitude errors

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Questions

Email:
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