

# Medacist RxDiversion Scorecard



Welcome to the **Medacist RxDiversion Scorecard**. Our team has put together this helpful tool for those interested in evaluating the effectiveness of drug diversion detection solutions.

**To complete the scorecard**, please review each of the capabilities listed below. Starting with the first evaluation category (Data Integration & Abstraction), **check the box** when the vendor fulfills the capabilities defined. If the vendor **does not fulfill the capabilities, leave the box unchecked**. After completing the evaluation category, add the points for each capability within the category only for those where the vendor received a check mark. If no check is present, do not include the points for the capability in the category's total.

Once compiling the total, write it in the "Category 1 Total" section at the bottom of the category. Continue these steps for each subsequent category. **See the legend at the end to see how your solution rates.**

Drug diversion SaaS solutions should have the following capabilities:

## 1. Data Integration & Abstraction (30 Points)

- Ability to integrate with multiple data sources including:
  - ADS (Automated Dispensing System) **(+0.5 pt)**
  - EMR (Electronic Medical Record) **(+0.5 pt)**
  - Time & Attendance **(+0.5 pt)**
  - Access Control **(+0.5 pt)**
  - Wholesale Procurement **(+0.5 pt)**
  - Narcotics Vault **(+0.5 pt)**
- Analyzes medications based on abuse profile rather than NDC code **(+7 pts)**

|   |            |
|---|------------|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Profiles care areas based on the characteristics of practice rather than hard-coded rules or naming conventions <b>(+7 pts)</b></li> <li><input type="checkbox"/> Profiles patients based on characteristics of practice <b>(+7 pts)</b></li> <li><input type="checkbox"/> Normalizes inter-facility formularies across IDN <b>(+3 pts)</b></li> <li><input type="checkbox"/> Normalizes data across vendors enabling seamless transition for organizations undergoing vendor transition or supporting multiple information system vendors <b>(+3 pts)</b></li> </ul>   |            |
| <b>CATEGORY 1 TOTAL</b>   | <b>/30</b> |
| <b>2. Algorithmic Characteristics &amp; Artificial Intelligence (40 Points)</b>   |            |
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Rule-based alerting – flagging misuse based on weighted evaluations of transaction events <b>(+5 pts)</b></li> <li><input type="checkbox"/> Organization comparison – activity is compared anonymously to external organizations providing support for diversion claims and comparison metrics for overall organization benchmarking <b>(+10 pts)</b></li> <li><input type="checkbox"/> Synthetic demographic profiling – demographic profiles of smaller facilities with a low volume of activity are compared to similar facilities’ demographic profiles to synthetically strengthen the dataset used in the analysis <b>(+10 pts)</b></li> <li><input type="checkbox"/> AI Techniques: <ul style="list-style-type: none"> <li>▪ Supervised learning <b>(+5 pts)</b></li> <li>▪ Unsupervised learning <b>(+5 pts)</b></li> <li>▪ Reinforcement learning <b>(+5 pts)</b></li> </ul> </li> </ul> |            |
| <b>CATEGORY 2 TOTAL</b>   | <b>/40</b> |
| <b>3. Vendor Capability &amp; Agility (10 Points)</b>   |            |
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Multi-vendor support for all data sources (ADS, EMR, Time &amp; Attendance) <b>(+2 pts)</b></li> <li><input type="checkbox"/> Vendor agnostic to avoid “vendor lock-in” <b>(+3 pts)</b></li> <li><input type="checkbox"/> Ability to convert from one vendor to another while also maintaining historical activity and trending <b>(+3 pts)</b></li> <li><input type="checkbox"/> Multi-version support for vendor platforms, enabling easy upgrade of information systems without affecting diversion insight <b>(+2 pts)</b></li> </ul>   |            |
| <b>CATEGORY 3 TOTAL</b>   | <b>/10</b> |
| <b>4. Security &amp; Support (10 Points)</b>  |            |
| <ul style="list-style-type: none"> <li><input type="checkbox"/> SaaS solution, ensuring high security and no IT overhead for clients <b>(+1 pt)</b></li> <li><input type="checkbox"/> Solution is hosted in vendor’s Private Cloud as opposed to Public Cloud (AWS, Azure, GCP, other) <b>(+4 pts)</b></li> <li><input type="checkbox"/> SOC 2 certified and HIPAA compliant <b>(+1 pt)</b></li> <li><input type="checkbox"/> Automatic data backup &amp; archival <b>(+1 pt)</b></li> <li><input type="checkbox"/> No downtime for upgrades and system maintenance <b>(+1 pt)</b></li> <li><input type="checkbox"/> 99.99% availability on cloud services <b>(+1 pt)</b></li> <li><input type="checkbox"/> Dedicated Application Support Specialist per facility <b>(+1 pt)</b></li> </ul>   |            |
| <b>CATEGORY 4 TOTAL</b>   | <b>/10</b> |

| 5. Reporting & Workflow (10 Points)   |             |
|---|-------------|
| <input type="checkbox"/> Easy to use visualizations – role-based configurable dynamic dashboards <b>(+1 pt)</b><br><input type="checkbox"/> Drill down reporting from health system to transactional data for each at risk individual <b>(+2 pts)</b><br><input type="checkbox"/> Comprehensive autonomous expert analysis and auditing built in code for each at risk individual <b>(+3 pts)</b><br><input type="checkbox"/> Investigation tools for collaboration among diversion risk teams including: <ul style="list-style-type: none"> <li>▪ Commenting <b>(+0.5 pt)</b></li> <li>▪ Collection of external evidence through file uploads <b>(+0.5 pt)</b></li> <li>▪ Cross-team feedback collection to enable asynchronous collaboration <b>(+0.5 pt)</b></li> <li>▪ Behavioral assessments <b>(+0.5 pt)</b></li> </ul> <input type="checkbox"/> Delegation & tracking <b>(+1 pt)</b><br><input type="checkbox"/> Proactive alerts <b>(+0.5 pt)</b><br><input type="checkbox"/> Export cases <b>(+0.5 pt)</b> |             |
| <b>CATEGORY 5 TOTAL</b>   | <b>/10</b>  |
| <b>GRAND TOTAL</b>  | <b>/100</b> |

#### RXDIVERSION SOLUTION SCALE:

- Low risk (90-100) – Solution has strong capabilities and features. Maintain existing vendor.
- Keep an eye out (70-89) – Solution's risk is not high, but there is opportunity to expand capabilities. Review steps for additional features and capabilities.
- Medium risk (50-69) – Solution meets basic requirements. Should consider alternative solutions.
- High risk (0-49) – Solution is high risk. Should revamp and review current evaluation tools.

Medacist is the leading innovator in drug diversion analytics. For more information on Medacist RxDiversion Scorecard and Medacist's solutions, please visit our website at <https://www.medacist.com/>