Sonicu – VFC Temperature Monitoring Program

Presented to AIM 2021 Summer VEH
Joe Mundell, VP of Sales
Problems

* VFC ongoing compliance

* Lack of visibility by State into VFC providers’ temperature logs, NIST certifications, excursions

* Difficult for providers to be compliant due to the nature of Data loggers, reporting, Calibration etc

* Providers slow to implement new technology that makes compliance easy
Sonicu will provide a state-wide portal for all VFC providers accessible 24/7/365
## Alarm Information

The Med Refrigerator (°F) alarm profile will alarm if the:

- Point reading is above 46.1°F for 5 minutes
- Point reading is above 45.1°F for 5 minutes
- Point reading is below 36.9°F for 5 minutes
- Point reading is below 35.9°F for 5 minutes
- Point is offline for 35 minutes

### Offline (Created 06/08/2021 21:35:42)) - Resolved 10 hours, 14 minutes and 49 seconds after created.

<table>
<thead>
<tr>
<th>User</th>
<th>Action</th>
<th>Date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoniCloud</td>
<td>Offline</td>
<td>2021-06-08 21:35:42</td>
<td>This device was offline. The alarm was automatically generated at June 8, 2021, 21:35</td>
</tr>
<tr>
<td>SoniCloud</td>
<td>Automatically Resolved Alarm</td>
<td>2021-06-09 07:50:31</td>
<td>Alarm was automatically resolved by the system as it was within safe levels for the specified time</td>
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</table>

### Offline (Created 06/23/2021 16:55:59)) - Resolved 3 hours, 39 minutes and 51 seconds after created.

<table>
<thead>
<tr>
<th>User</th>
<th>Action</th>
<th>Date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoniCloud</td>
<td>Offline</td>
<td>2021-06-23 16:55:59</td>
<td>This device was offline. The alarm was automatically generated at June 23, 2021, 16:55</td>
</tr>
<tr>
<td>SoniCloud</td>
<td>Automatically Resolved Alarm</td>
<td>2021-06-23 20:35:50</td>
<td>Alarm was automatically resolved by the system as it was within safe levels for the specified time</td>
</tr>
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</table>

### Threshold (Created 06/23/2021 20:35:58)) - Resolved 29 minutes and 44 seconds after created.

<table>
<thead>
<tr>
<th>User</th>
<th>Action</th>
<th>Date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoniCloud</td>
<td>Outside of Thresholds</td>
<td>2021-06-23 20:35:58</td>
<td>This device was outside of the permitted range. The alarm was automatically generated at June 23, 2021, 20:35</td>
</tr>
<tr>
<td>SoniCloud</td>
<td>Automatically Resolved Alarm</td>
<td>2021-06-23 21:05:42</td>
<td>Alarm was automatically resolved by the system as it was within safe levels for the specified time</td>
</tr>
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</table>

### Threshold (Created 06/29/2021 20:46:21)) - Resolved 19 minutes and 24 seconds after created.

<table>
<thead>
<tr>
<th>User</th>
<th>Action</th>
<th>Date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoniCloud</td>
<td>Outside of Thresholds</td>
<td>2021-06-29 20:46:21</td>
<td>This device was outside of the permitted range. The alarm was automatically generated at June 29, 2021, 20:46</td>
</tr>
<tr>
<td>SoniCloud</td>
<td>Automatically Resolved Alarm</td>
<td>2021-06-29 21:05:45</td>
<td>Alarm was automatically resolved by the system as it was within safe levels for the specified time</td>
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</table>

### Threshold (Created 06/29/2021 21:16:14)) - Resolved 19 minutes and 40 seconds after created.

<table>
<thead>
<tr>
<th>User</th>
<th>Action</th>
<th>Date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoniCloud</td>
<td>Outside of Thresholds</td>
<td>2021-06-29 21:16:14</td>
<td>This device was outside of the permitted range. The alarm was automatically generated at June 29, 2021, 21:16</td>
</tr>
<tr>
<td>SoniCloud</td>
<td>Automatically Resolved Alarm</td>
<td>2021-06-29 21:35:54</td>
<td>Alarm was automatically resolved by the system as it was within safe levels for the specified time</td>
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### Offline (Created 06/30/2021 01:36:20)) - Resolved 11 hours, 49 minutes and 49 seconds after created.

<table>
<thead>
<tr>
<th>User</th>
<th>Action</th>
<th>Date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoniCloud</td>
<td>Offline</td>
<td>2021-06-30 01:36:20</td>
<td>This device was offline. The alarm was automatically generated at June 30, 2021, 01:36</td>
</tr>
<tr>
<td>Joe Gustafson</td>
<td>Snoozed Alarm</td>
<td>2021-06-30 08:01:25</td>
<td>Snoozed until June 30 2021, 14:01.</td>
</tr>
<tr>
<td>Joe Gustafson</td>
<td>Snoozed Alarm</td>
<td>2021-06-30 13:08:46</td>
<td>Snoozed until July 1 2021, 09:05.</td>
</tr>
<tr>
<td>SoniCloud</td>
<td>Automatically Resolved Alarm</td>
<td>2021-06-30 13:26:09</td>
<td>Alarm was automatically resolved by the system as it was within safe levels for the specified time</td>
</tr>
</tbody>
</table>
- Automatically updated with SNAP Program
- NIST Certificate meets CDC requirements
- Stored digitally for easy retrieval
CDC Requirements for Vaccine Temperature Monitoring

* Specific type of TMD called a “digital data logger”
  * Provides detailed information on all temperatures recorded at preset intervals
* Keep data for three years
* Use a DDL on each vaccine storage unit
* Use DDL with the following features:
  * Detachable probe
  * Alarm for out-of-range temperature
  * Low-battery indicator
  * Current, minimum, and maximum temperature display
  * Recommended uncertainty of +/- .5 C
  * Logging interval to measure and record temp at least every 30 minutes
* Use DDL with a current and valid Certificate of Calibration Testing
What’s the Sonicu Difference?

Sonicu Automated System

* Provides monitoring and alarming 24/7/365
* DataSync (lossless data streaming to SoniCloud)
* Access data on the cloud anywhere at anytime
* Automated reporting for compliance

Standard Data Loggers

* Local alarms only - no remote alarming
* Require local download to obtain data
* State can not remotely access data
* Manually build reports for compliance

“Vaccine storage units require two readings each day. The problem with this type of monitoring is that you only know what the temperature is at the time of the reading. How do you know what is happening the other 23 hours and 59 minutes?”

-Tim Livesay, Pharmacy Director
Hancock Regional Hospital
Ideal Vaccine Monitoring Program
3 Components

1. Meets VFC requirements for temp monitoring device (TMD)

1. Provides Remote Monitoring and Alarming

1. Can easily share data with state

Sonicu’s Duo Kit with Display
Sonicu Vaccine Monitoring Kits include:
* NIST calibrated glycol buffered digital probe
* Wireless display with local alarming
* Redundant power (battery and AC)
* 24/7 remote visibility and alarming
* DataSync (lossless data streaming to SoniCloud)
* Unlimited training, live US-Based support

* SNAP Calibration program
  * Automatically receive new NIST calibrated sensors prior to expiration

* “AIM” Discount program for VFC providers/Health Depts.
Real Time View From Any Device

SONICU DASHBOARD ACCESS 24/7

MOBILE APP DASHBOARD VIEW
SoniCloud Implementation Wizard

Let's get your SoniCloud system up and running!

Great news, you're currently 54% done! Let's wrap this up!

- Site Configuration
  - Jason Fitzgerald (Sonicu) (jfitzgerald@sonicu.com)
  - Done! Jul 1, 2020

- User Creation
  - Jason Fitzgerald (Sonicu) (jfitzgerald@sonicu.com)
  - Done! Jul 1, 2020

- Group Creation
  - Jason Fitzgerald (Sonicu) (jfitzgerald@sonicu.com)
  - Done! Jul 1, 2020
Point of Contact for State Immunization Managers:
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