














# Enable Clinical Distancing without Sacrificing Quality of Care for COVID-19

The Top 14 Features that Matter Most for Rapid Deployment at Scale of Remote Monitoring Solutions in this Pandemic

<p>1 Enables virtual rounding from any location <b>without geographical or technological constraints</b> of all bedside device data, including real-time and retrospective views to protect providers from exposure.</p>	
<p>2 Provides flexibility to enable remote access to any member of the healthcare team from home, office, or in quarantine on any PC, tablet, phone, or EMR-centric workflow via web-based interface without loss of features.</p>	
<p>3 Enables ability to create flexible command center views of up to 100 patients on each workstation across units, facilities and vendors without geographical limitations.</p>	
<p>4 Software-based to enable rapid scaling of bed capacity and user credentialing so hospitals and healthcare systems can remotely add providers and users as needed</p>	
<p>5 Vendor Agnostic to enable integration from disparate biomedical cardiac monitoring and ventilator device vendors across units and facilities within the hospital system (including pop-up facilities)</p>	
<p>6 Supports ventilator shortages by maximizing ventilator utilization:</p> <ul style="list-style-type: none"> <li>• Leverage risk calculators and trajectory monitors currently in co-development with MIC users to rapidly determine who needs a vent vs less invasive CPAP/BiPAP/Nasal Cannula monitoring</li> <li>• Leverage rapid analytic reporting tools such as spontaneous breathing trials to help get patients on and off vents faster</li> </ul>	
<p>7 Features the ability to add-on patient-centered analytics that are currently in co-development with users during the COVID-19 pandemic. Some of the analytics that we are targeting for availability include a COVID-19 risk score and vent analytics such as pressure support trials and extubation readiness to help get patients on and off vents faster.</p>	

<p>8 Provides access to off the shelf risk scores (e.g. MEWS, PEWS, APACHE) that are calculated directly from the real-time data coming from connected biomedical devices</p>	
<p>9 Allows providers to customize their own patient watchlists on any PC of patients across units and facilities to support triaging based on their specialty</p>	
<p>10 Provides access to all real-time waveforms in full-fidelity across all connected devices, time-synchronized in a single view</p>	
<p>11 Provides access to full resolution historical retrospective waveform data across all connected devices from 1 second to 1 year to support the building and interrogation of trends that is critical for remote monitoring, triaging, virtual rounding, intervention and case reviews. <i>(e.g. other solutions offer limited retrospective data, typically only full disclosure data from the cardiac monitor for 72 hours or less). Data may be stored indefinitely.</i></p>	
<p>12 Enables the sharing of data and trends with other providers and specialists using existing communications tools to expedite consult and intervention</p>	
<p>13 Easily integrates with other systems to enhance patient data for remote viewing and analytics including:</p> <ul style="list-style-type: none"> <li>• video solution integration to enhance remote viewing;</li> <li>• the EMR to enable integration of labs, meds, and observations within retrospective views; and/or</li> <li>• middleware to send new risk scores and augment those and other alerts with waveform access on phones</li> </ul>	
<p>14 Provides the foundation for a flexible, scalable platform that will create a new standard of care after COVID-19 based on software-based monitoring to enable:</p> <ul style="list-style-type: none"> <li>• end-to-end clinical surveillance for a patient's entire length of stay</li> <li>• automated documentation of waveforms and other data into the EMR</li> <li>• the ability to remotely add-on new patient-centered analytics applications at any time</li> <li>• access to collected patient data via open API's and SDK's to support the building of models using standard AI and machine learning tools</li> <li>• the ability to operationalize the development and deployment of patient-centered analytics at scale</li> <li>• the ability to create hospital and user-defined risk scores to help detect risk earlier and augment clinical decision support of less-trained staff</li> </ul>	