

CORONAVIRUS

Smart Isolated Resident Monitoring & TeleHealth System

Application Note

Early Detection, Improving Caregiving and Reducing Costs

Problem: Reducing/Preventing Outbreaks within Assisted Living and Skilled Nursing facilities

Solution: Smart Isolated Resident Monitoring & TeleHealth System

A HIPAA compliant, rapid deployment System enabling:



- **Scheduled Virtual Rounds of Isolated Resident**

- **Features**

- In-room monitoring and engagement
 - Structured virtual rounds by a technicians or CNA with basic computer skills
 - Resident conditions, activities and emotions are recorded
 - Residents are engaged and requests noted

- **Early Detection of “Atypical”**

- **Senior Symptoms**

- “Atypical” symptoms of seniors traditionally complicate efforts to ensure timely treatment and avoid clinical deterioration
 - Rather than exhibiting a fever, an insistent cough and shortness of breath, residents may initially not act like themselves, may sleep more than usual, stop eating and speaking, seem unusually apathetic or confused, lose orientation to their surroundings and may become dizzy and fall.

- **Improved Resident Care**

- Resident and group trends provide early warning of community spread
 - Resident reduced feeling of isolation



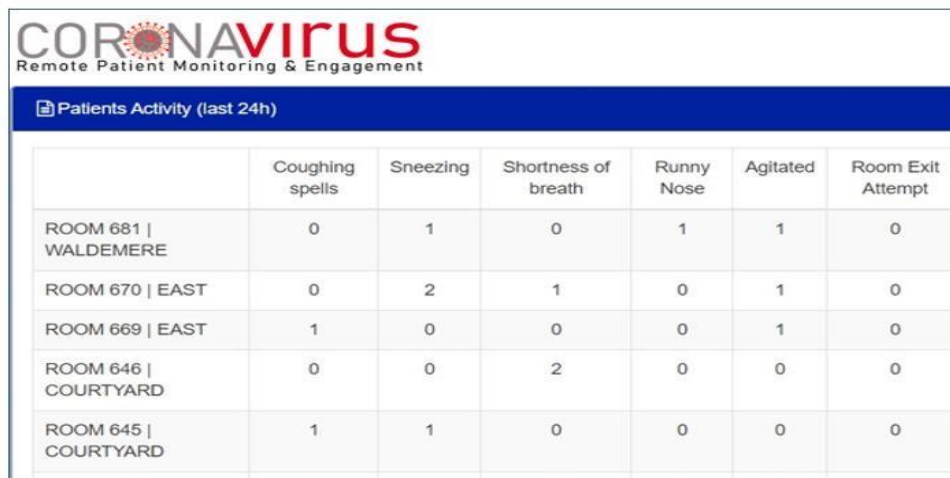
Preconfigured Systems are available to monitor 8, 16, 25 or 50 residents

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- **Cost-Effective**
 - Prioritizes caregiving and streamlines clinical assessments based on resident's profile
 - Reduction in staff room visits (i.e. workforce multiplier)
 - Reduction in personal protection equipment
- **TeleHealth Exams**
 - Features
 - Performed in the resident's room with installed or mobile camera



The screenshot displays the CORONAVIRUS Remote Patient Monitoring & Engagement interface. At the top, the logo and name are shown. Below is a blue header for 'Patients Activity (last 24h)'. A table follows with columns for various symptoms and actions. The data is as follows:

	Coughing spells	Sneezing	Shortness of breath	Runny Nose	Agitated	Room Exit Attempt
ROOM 681 WALDEMERE	0	1	0	1	1	0
ROOM 670 EAST	0	2	1	0	1	0
ROOM 669 EAST	1	0	0	0	1	0
ROOM 646 COURTYARD	0	0	2	0	0	0
ROOM 645 COURTYARD	1	1	0	0	0	0

- As shown above, physicians (and ALF/SNF clinical staff) can review resident profile and trends
- Improved Resident Care
 - In-room TeleHealth exam limits community exposure
 - Resident profile provides physician with insight to on-going problems
- Cost Effective
 - Physician can bill CMS at normal office visit rates
 - Enables physician to schedule multiple patient exams
 - A "use fee" for the TeleHealth System can be negotiated with the physician

Smart Isolated Resident Monitoring & TeleHealth System Configurations

- Preconfigured Systems are available to monitor 8, 16, 25 or 50 resident rooms
- Multiple preconfigured Systems can be deployed and managed within a single facility

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System Rental including Telehealth Capability is less than \$.20 per Resident Hour

The Systems can be purchased, or rented for 90 to 360 days. Lead time is five (5) business days. For an annual System rental to monitor 25 patients, the average hourly cost per resident is less than \$.20. For a purchase, assuming a 36-month life cycle, the average hourly cost per resident falls to less than \$.07.

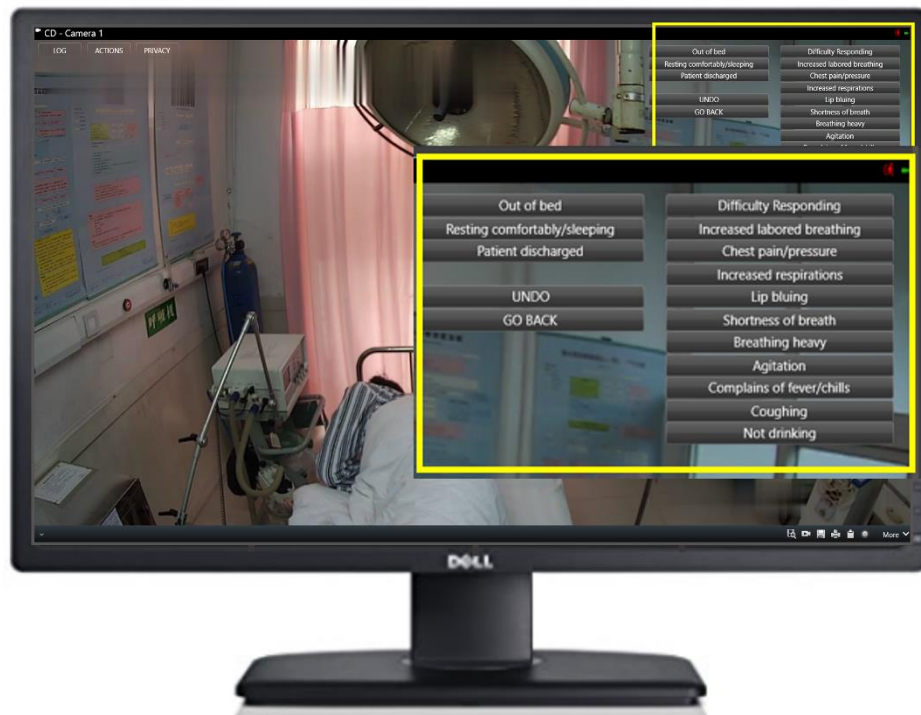
System Mobility

Within each monitored room, the only equipment installed is a camera, ½ the size of an iPhone. It can be sanitized and easily remounted within another room.

Single resident view with condition selection options available to observer

System Features

- The System, shipped within a Pelican case, contains the following:
 - Hardware: Cameras, Laptop Computer, 27" UHD Display, Wi-Fi 6 Router & Extenders and headset with removable microphone
 - Software: Windows 10 Pro, Smart Isolated Resident Monitoring & TeleHealth System
- Easy Installation & Use
 - Cameras: ½ the size of an iPhone; point and shoot installation
 - UHD monitor combined with camera's zoom and pan enables detail view of resident
 - The System can be installed by an IT technician within 1 to 3 hours based on the number of cameras
- Two-Way Audio
 - Enables clear conversation and recording of resident conditions and requests



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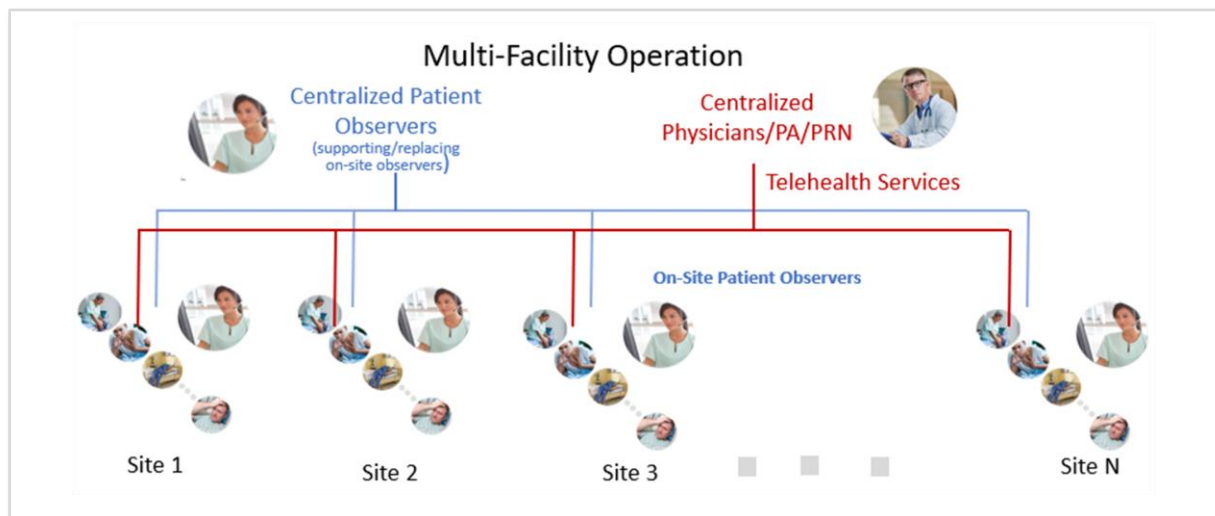
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Application Note

- Reduces resident's feeling of isolation
- HIPAA Compliant
 - No video recording of residents and System is locked down to prevent unauthorized usage.
- For Interfaces to EHR, EMR and Vital Sign Monitors contact KnowFalls.

Multi-Facility Operations

The virtual resident monitoring and engagement as well as telehealth services, as shown below, can be centralized for multiple ALFs and/or SNFs.



Smart Isolated Resident Monitoring & TeleHealth System Demonstrations

Demonstrations are held three times a week at 2 PM EST on Tuesday, Wednesday, and Fridays.

To register for a Zoom session, please [click here](#) or contact an application specialist at 941.724.9700.

