



# A Global TeleHealth Virtual Care Platform

Helping hospitals reduce workloads, burnout, and liability, while increasing workflow, reimbursements, patient satisfaction and outcomes.



# Company Vision

- ➔ Deliver cutting edge technologies to significantly improve positive patient outcomes.
- Since 2020, TeleRay has intentionally designed technology solutions to create direct cost savings and provide immediate efficiencies in the delivery of healthcare to improve patient outcomes.
- The company continually innovates because the Founders are passionate about providing software solutions that drive down costs while increasing quality and “bandwidth” of the practice of healthcare.
- The company relentlessly seeks to bridge gaps in the continuum of care by creating user-friendly solutions that elevate the healthcare experience for all while remaining 100% compliant.



Leading the Next Generation  
with Technology that Matters.



Top 10 Most Advanced Medical  
Imaging Solution Provider



Top 10 Fastest  
Growing Healthcare  
Companies



Top 10 Best Healthcare  
Companies





# Credibility

## Leader in clinical radiology exchange software

- Peer-to-peer network
- Market's most secure
- Universal read / output
- HL7 functionality
- Fastest transfer speeds
- Easy to register & use
- Fits any size
- Most feature rich

## Reliability

- 20 million + exchanges
- Thousands of users
- Elite customer base
- Pipeline to massive amounts of data for AI application

70% of Top 50 institutions





# Lack of Compliance is Huge Risk

TeleRay is fully compliant and accepted at **over 1000 hospitals**

- Standard BAA (Business Associate Agreement)
- DDoS Protection & Mitigation
- IT System and Communication policy
- Incident Management Process
- HITRUST
- EPHI Statement
- FIPS 140C
- SOC2, SOC3
- ISO 270001, 27018
- NIST SP 800
- BIA Analysis
- MDS2
- CORL
- BIS/NSA





# DICOM, HL7 and FHIR Integration

Connecting the hospital from front to back

## DICOM (Digital Communication in Medicine)

- Radiology images stored in PACS (Picture Archiving Communication System)
- Emergency Entrance-back of hospital
- MR, CT, XR, MM, DR, FL, etc.
- Radiologist read and create reports for specialists

## HL7 (Health Level Seven) Text Data

- EHR/EMR language
- Insurance, registration, scheduling, reports, results, financial, pharma, CPT codes, billing, etc.
- Personal information- (PHI Personal Health Information)
- Administration from admission to discharge.
- FHIR integration for interoperability and healthcare data exchange.



# Convergence of Issues

51%

of physicians reported being burned out in 2017 up from 40% in 2013

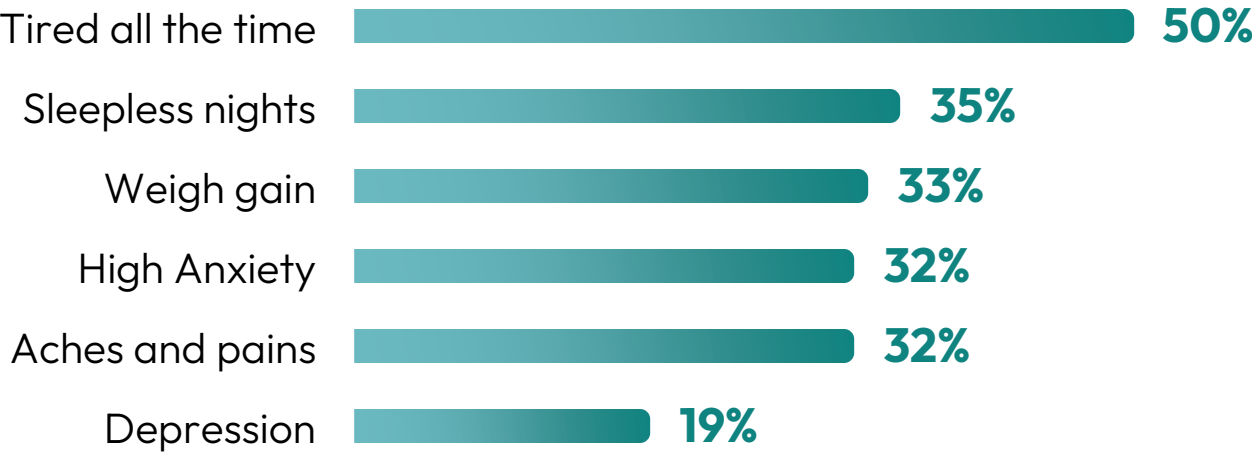
59%

Physician burnout rate in emergency medicine, highest among all specialties

42%

Physician burnout rate in psychiatry and mental health lowest among all specialties

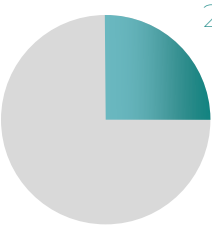
## Nurse feeling the pressure



7 out of 10



nurses feel burned out if their current job

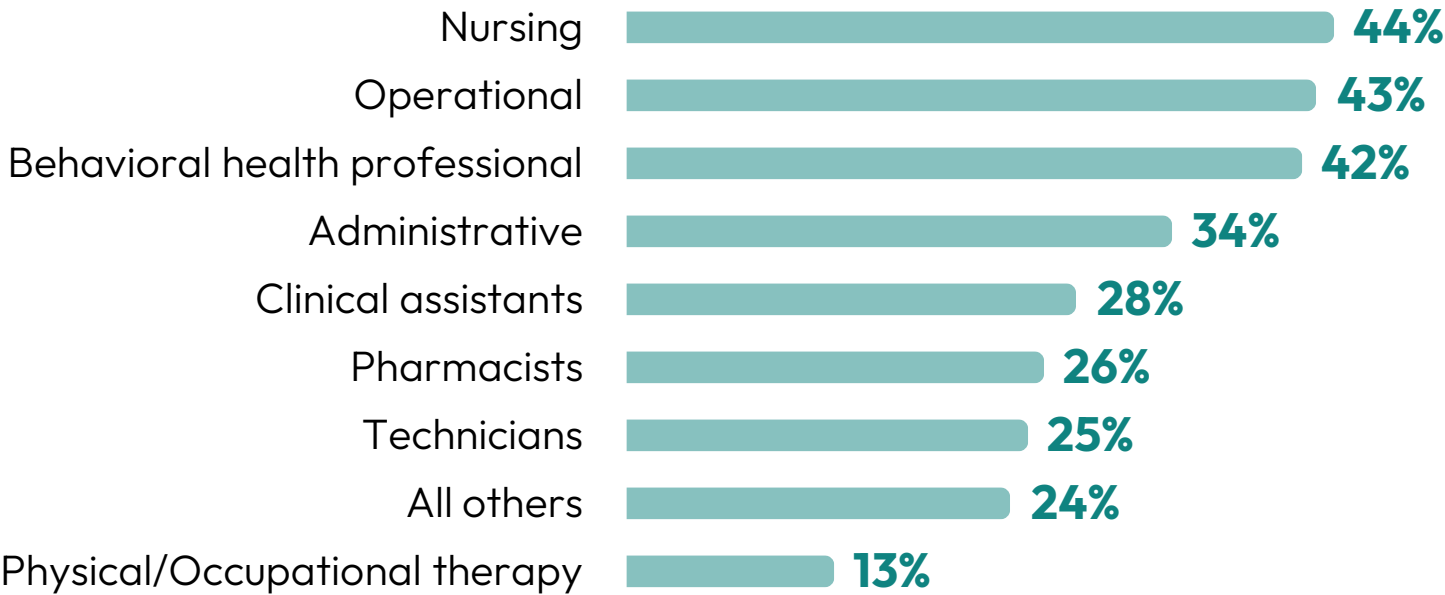


25% of 1200

Residents surveyed in 2014 indicated they would choose another profession if they were starting school over again

- There are not enough support staff at any level of healthcare.
- Virtual Care from admissions to discharge will be a driving factor in reduced burnout, better patient outcomes, and reduced costs.

## Percentage Decline in hospital Workforce Vacancies by Job Category Year-over-year







# The Room of the Future by TeleRay



## Seamless Communication

Supporting the entire patient journey, from admission to discharge, with efficient, low-liability solutions



## Enhanced Access

Secure, universal access to all patient data and images—empowering healthcare teams and loved ones to consult and connect from anywhere.



## Better Outcomes

Improved communication for nurses, physicians, specialists, family, and friends, leading to faster, more informed decisions and enhanced patient care.





## TeleRay room of the future

- Full duplex audio and video communication
- Sharing of images, labs, results, reports, etc.
- Exchange of data in seconds.
- Add up to 10 callers inside and outside facility walls.
- Images are viewed in FDA approved diagnostic viewer for manipulation, measurements, regions of interest, annotation and more.
- Fully integrated with EPIC and 200 EMR systems.







# We Put You In The Room

Virtual Nursing, Consult, Monitoring, Tele-Sitting - with AI and more ( Fixed and Mobile Solutions)



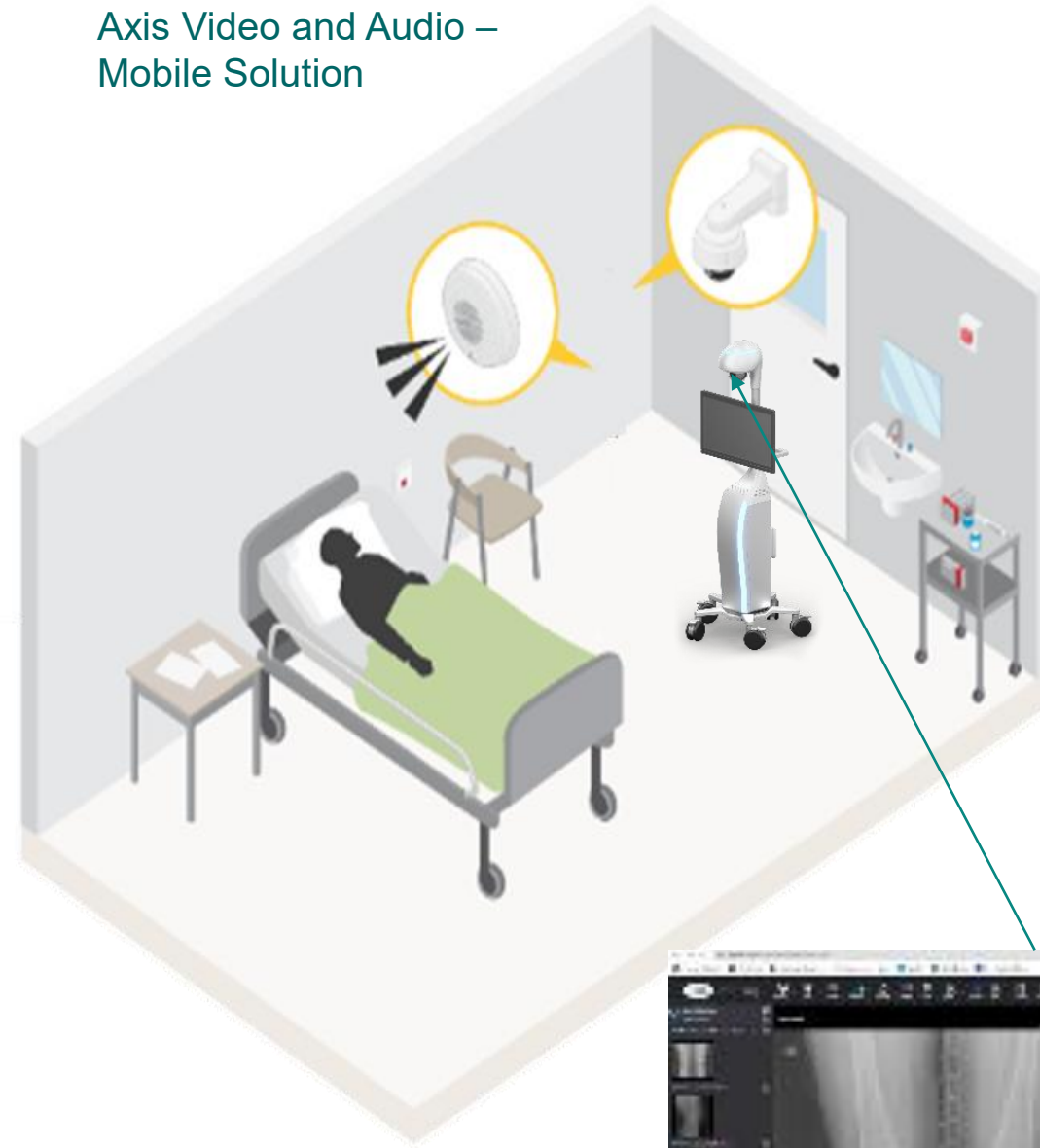




# Compliant Two-Way Communication

## Axis Video and Audio – Mobile Solution

- Healthcare practitioners can easily and efficiently monitor multiple patient or resident rooms and ably assist and interact if needed
- This portable setup makes it possible for healthcare practitioners to give assistance to those patients/residents where a fixed solution cannot be deployed
- Axis network camera mounted on a mobile cart that is also equipped with an Axis network speaker and microphone
- Includes all TeleRay features for virtual visits and consultations



## Axis Video and Audio – Fixed Solution







Only multi-function platform- imaging, results, people.

Windo...PanZoomMeas...RotateMagni...ScrollHangi...Refere...Chann...LayoutThum...PrintFullScr...ResetDICOMThemeKey O...Share ...Multi i...Crossh...

2494 x 2048

Anonymized 02c9120

1032 x 695

Z: 0.33  
W: 4095 L:2048  
S: ☒

1/1

2/1

3/1

4/1 RBknee Visual Report

5/1 RBknee Text Report - SC

6/1 PDF Report

7/1 PDF Report

1

PDF

1

PDF

Patient-ID: 0  
Patient name: Anonymized^02c912  
Study: 0  
Number of images in study: 3  
Number of images analysed by RBknee: 1  
Number of instances with the same view: 0

Automatically Generated

**Radiographic Knee Osteoarthritis Report**  
*X-ray analysis of both knees, posterior-anterior*

**Impression**

- Right knee: No radiographic osteoarthritis (Kellgren-Lawrence < 2).
- Left knee: No radiographic osteoarthritis (Kellgren-Lawrence < 2).

**Findings**

- Right knee shows: Joint space narrowing not present, osteophytes not present
- Left knee shows: Joint space narrowing not present, osteophytes present

RBknee™  
Version 1.0  
2021-07-21  
UDI: (01)057003021736-4(01)10

Radiobotics

MD

Rx Only

RBknee is not intended to be used for analysis of anything other than radiographic knee osteoarthritis. Always review original images for all suspected pathologies and be vigilantly aware of any changes.

1/1





TELEPORT MEDICINE 3.0

# Privacy Shield in the Environment

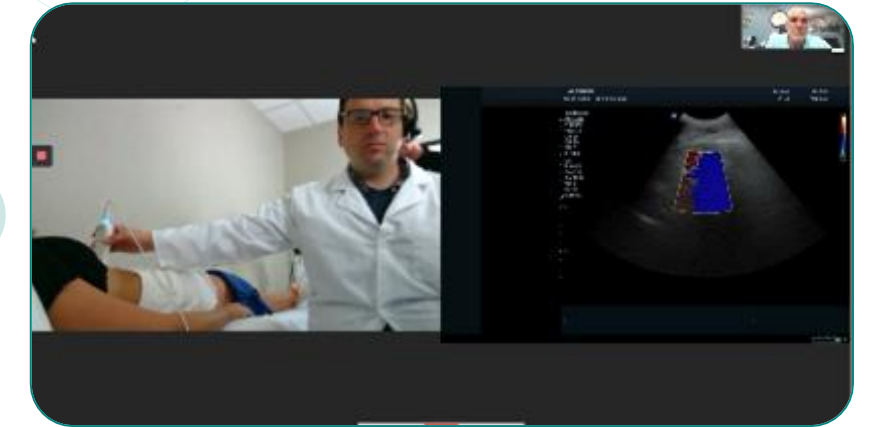




# TeleRay Live – Advantages



- Only virtual care platform born out of the primary diagnostic tool – radiology. This allows us to display images, reports, labs, care providers, and family anywhere on any device within and outside of hospital walls. Current solutions aren't getting it done.
- Creates an immersive experience driving higher patient compliance and satisfaction.
- Partnered with leaders in EMR (Epic), camera technologies (Axis) & the country's largest integrator (Convergent).
- Integrates with more than 250 EHR/EMR systems.



**AXIS**  
COMMUNICATIONS

**Epic**

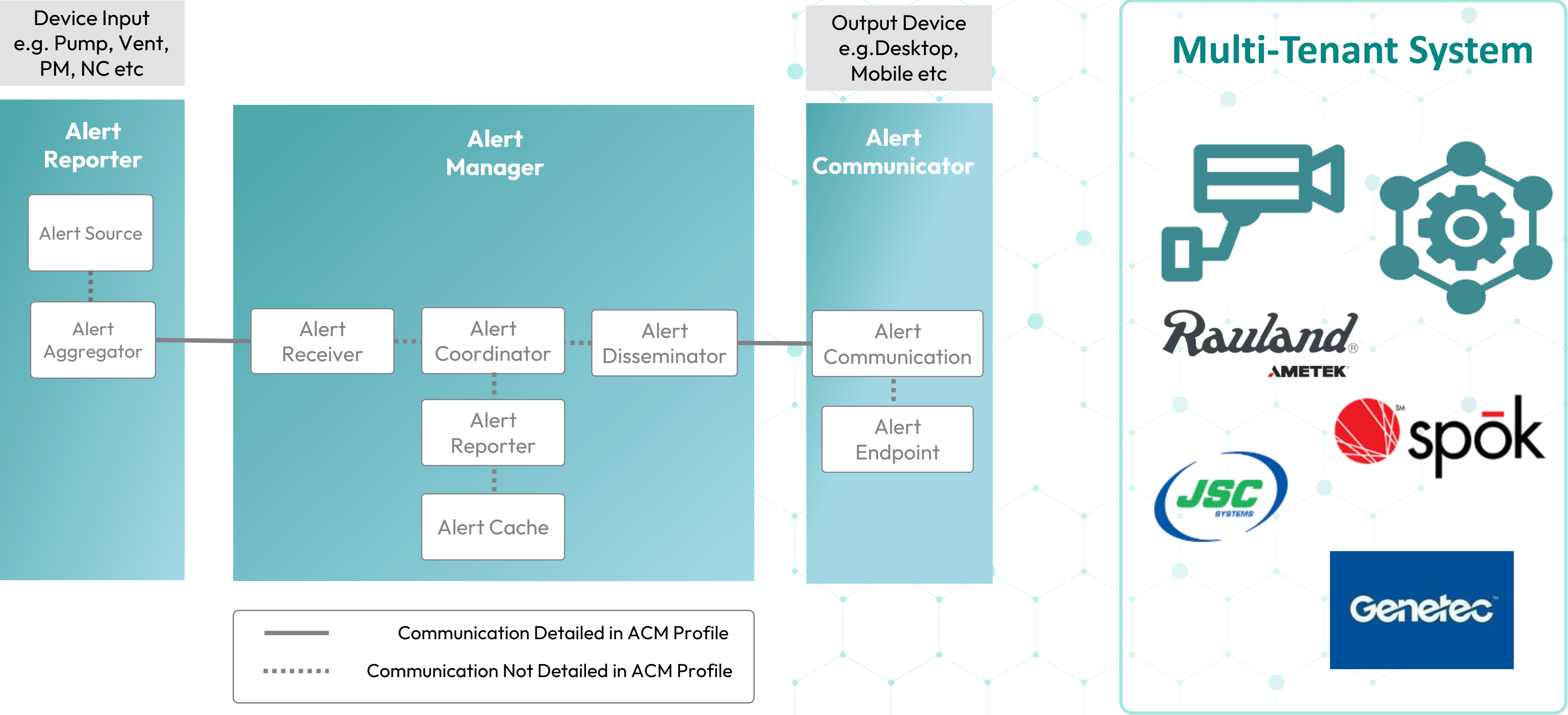
convergent

**Cerner**

**Hanwha**

**Allscripts**

# Patient Care Devices Meet Digital Screen







## FEATURED USE CASES

# TeleRay: Revolutionizing Patient Communication & Care



### Ad-hoc Patient Communication

Nurses can instantly connect with patients using in-room network cameras or intercoms for real-time communication, all from the patient's chart.



### Remote Nursing Admission & Discharge

Integrates video, audio, and EMR for efficient admissions and discharges, ensuring thorough and accurate processes from one interface.



### Efficient Collaboration

Enables secure, remote collaboration for complex cases, combining network audio/video with TeleRay's conferencing and EMR tools.



### Patient Distress Detection

Proactive Monitoring: Detect audible distress, aggression, and falls in real-time using intelligent acoustic analytics and AI-driven camera monitoring.



### Virtual Rounding

Centralized Care: Staff can check in on patients from a central location, optimizing physical rounds based on immediate needs and resources.



### Virtual Care Consultations with TeleRay LIVE

Safe, Remote Access: Delivers high-quality remote consultations through network video and audio, providing clinicians with consistent and secure patient care options.



MORE FEATURED USE CASES

# TeleRay: Enhancing Patient Care with Advanced Solutions



## Document Patient-Staff Interaction

Wearable Safety: Staff-activated cameras and audio-equipped room devices document interactions and automatically alert de-escalation teams in response to aggression.



## Virtual Visitors

Connecting Loved Ones: Securely connects patients with family and friends via in-room video and audio, providing a safe alternative to in-person visits.



## ICU Support

Remote Monitoring: Allows operators to oversee multiple ICU patients from a central location, using PTZ cameras for high-quality, interactive monitoring.



## Training

Real-Time Learning: Enables instructors to guide multiple learners through visual aids and wearable cameras, capturing processes for ongoing training.



## Medication Validation

Efficient & Secure: Enables remote pharmacists or nurses to validate medications, reducing workflow strain and preventing drug diversion through TeleRay's video and audio system.



# Radiology Observation – MRI Safe



## Axis Video and Audio –Fixed Solution



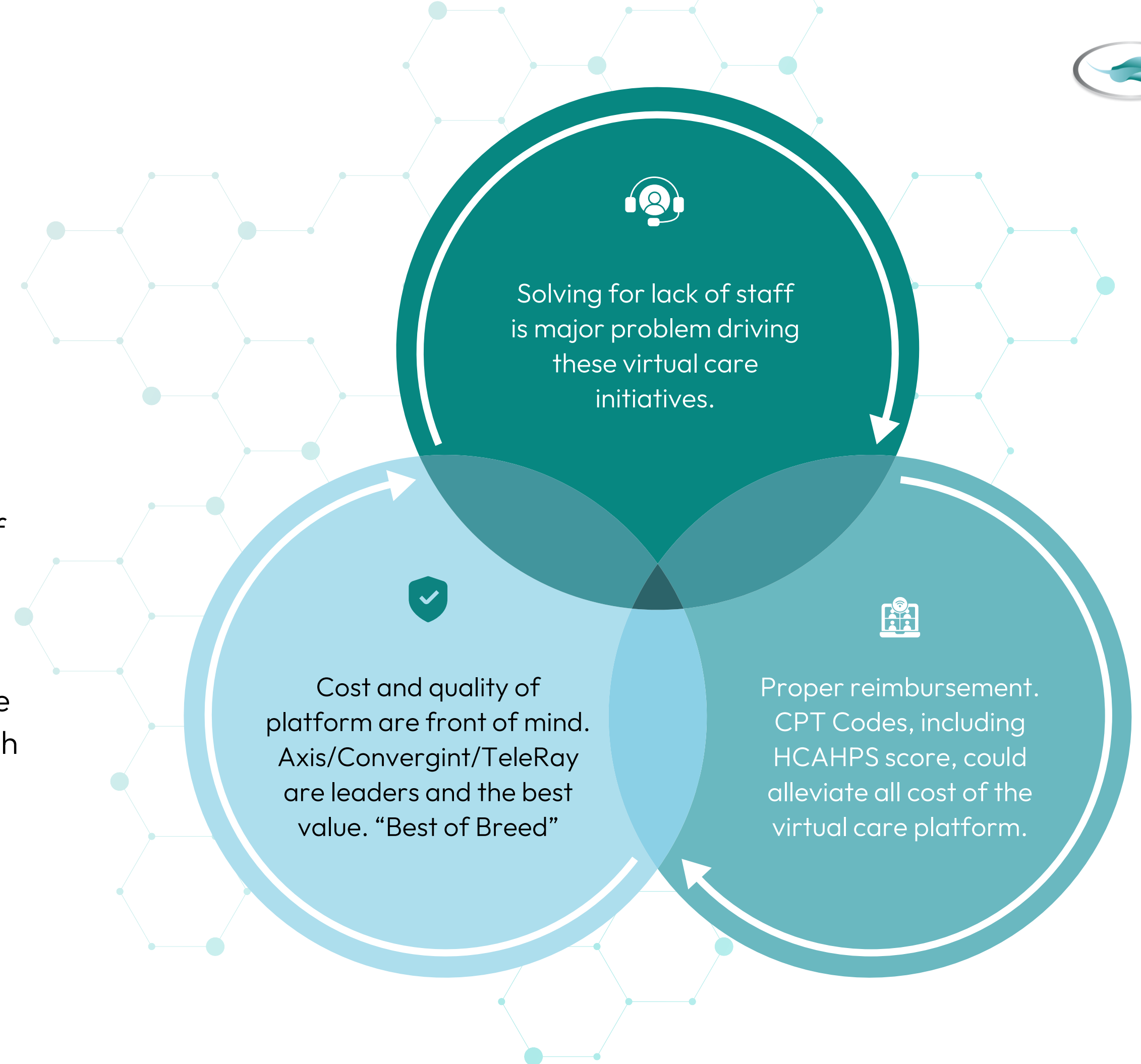
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# Bottom Line

- Solving problems, increasing efficiencies, preventing burnout, are key parts of the initiatives.
- When this can be achieved with best of breed at a great price, it becomes a 'no-brainer'.
- We solve for multiple use cases to solve problems today and into the future with a single vendor choice.



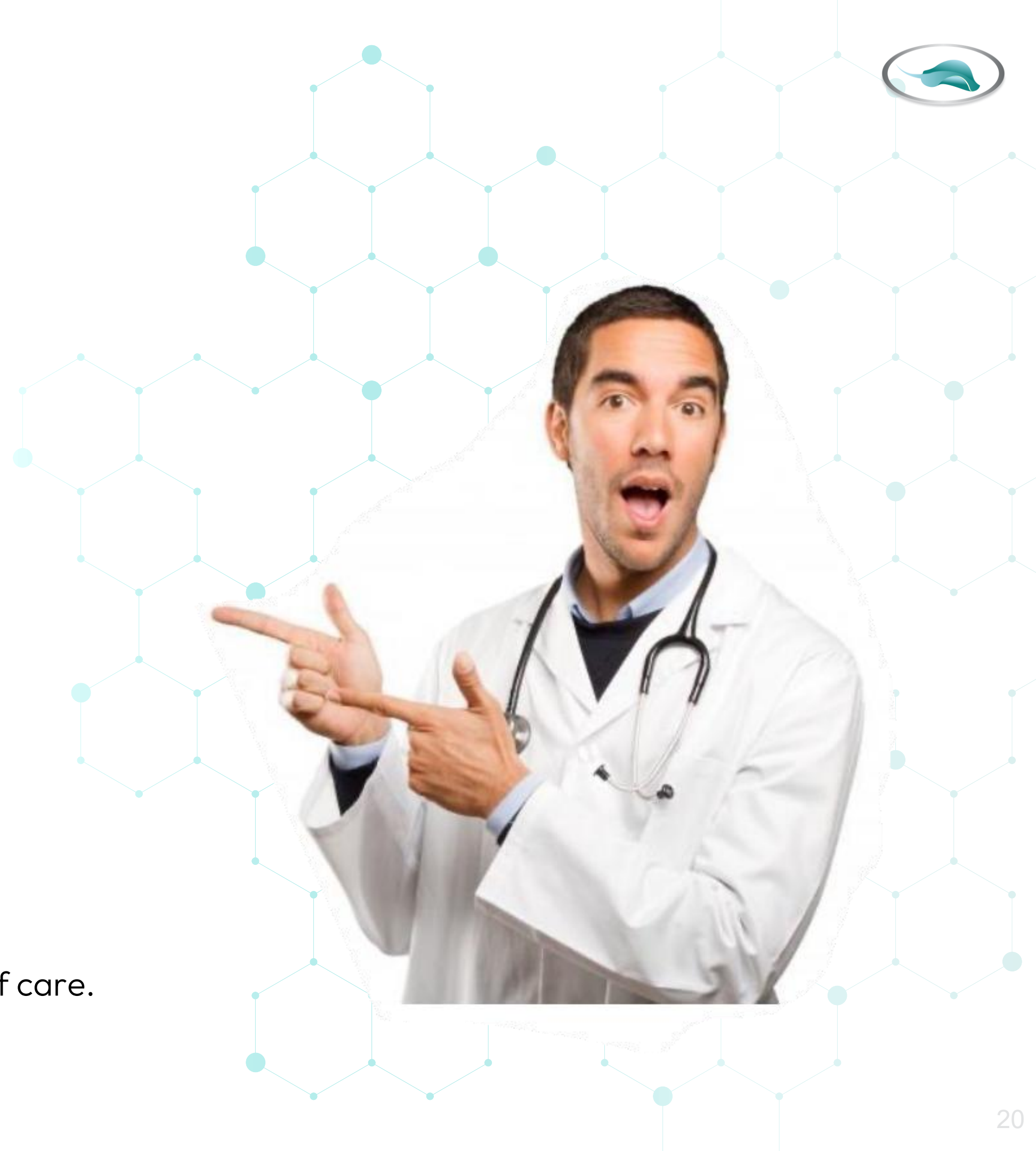


# Summary & Next Steps

Top medical institutions across the United States are rapidly adopting digital technologies like **TeleRay** to supplement general nursing, tele-ICU, patient sitting, virtual admit/discharge and virtual consultation workflows.

## Next Steps

- Refine workflows, policies and procedures.  
Create -**Statement of Work**
- Enterprise or facility implementation.  
**Pilot - Setup and Testing**
- Establish virtual care **Timeline - Phased Approach**  
“system-wide” to augment and optimize delivery of care.





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Thank you!

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