

# Challenges Facing Health Systems During the COVID-19 Pandemic



## Resource Challenges

Personal protective equipment, ICU beds, ventilators, specialist clinicians are all resources facing new and increased demands for health systems



## Testing and Contact Tracing

There is increased demand for expansion of testing and contact tracing related to the pandemic that health systems must address



## Information Exchange

Provider-to-provider and provider-to-patient information exchange needs to be fast, secure, and seamless to deliver quality care when, where and how it is needed



## Population Health Management

Management and support of the population health systems serve, not only within the facility walls but also in the areas where populations live



## Virtual/Telehealth Expansion

In support of social distancing recommendations (virtual triage, self-testing, tele-ICU, video consultations, etc) to keep patients and staff safe



## Revenue Reduction

Due to reduction of procedures in a fee-for-service reimbursement model, health systems are faced with challenges due to loss of revenue

## COVID-19 Demands on Medical Imaging

- Medical imaging plays an important role in detecting and diagnosing COVID-19 as well as supporting the ongoing treatment of COVID-19 patients, especially by leveraging chest radiography, chest CT, and lung ultrasound
- Nonessential imaging exams and procedures were postponed
- Shift in medical imaging resources to support external facilities
- Expansion in capabilities to leverage mobile and portable imaging systems, especially during the peak of the pandemic
- Limit the number of staff members in reading rooms and rotate staff across multiple sites when possible
- Provide remote working capabilities (such as remote PACS access and virtual desktop infrastructure)

# How DIAM Can Help COVID-19 Demands

## 01 *Seamless enterprise-wide access to medical images, reports and notes*

Easy and quick access to information enables higher efficiency, especially during peak times

## 02 *Use of mobile imaging equipment embedded into clinical workflows*

Reduce the time and effort needed to sterilize fixed imaging equipment

## 03 *Use of telehealth solutions used for medical imaging*

Enables the organization to share specialist expertise with external locations and care providers

## 04 *Interoperability and external information exchange*

Enables the organization to shift resources and support external facilities remotely

## 05 *Patient engagement*

Enables the organization to share important information with their patients via safe and fast channels (and vice versa)

## 06 *Remote working*

Clinicians can access images from remote locations through a secure online connection

## 07 *Use of a data-driven culture, analytics and value-based care delivery*

Tools and processes exist to access and meaningfully present epidemiological data related to the patient whose studies are being reported

## 08 *Clinical decision support and the use of AI*

Use medical imaging to detect COVID-19 and diagnose patients

## DIAM Helps Health Systems Tackle the Post-Pandemic World

Organizations that already started their enterprise imaging and DIAM journey before the COVID-19 crisis should be in a better position to respond quickly.

- Those who have started later, will struggle to act and respond timely and effectively.
- And those who have not yet started, will become much aware of their shortcomings in such a critical time.