

**PHILIPS**

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MEDICAL REPORT  
02-08-38 MALE

02 :43 080  
0101010101010101  
0101010101010101  
586 :89 403  
253 :684 :01  
0101010101010101  
:99 :RP\_809



DOCTOR

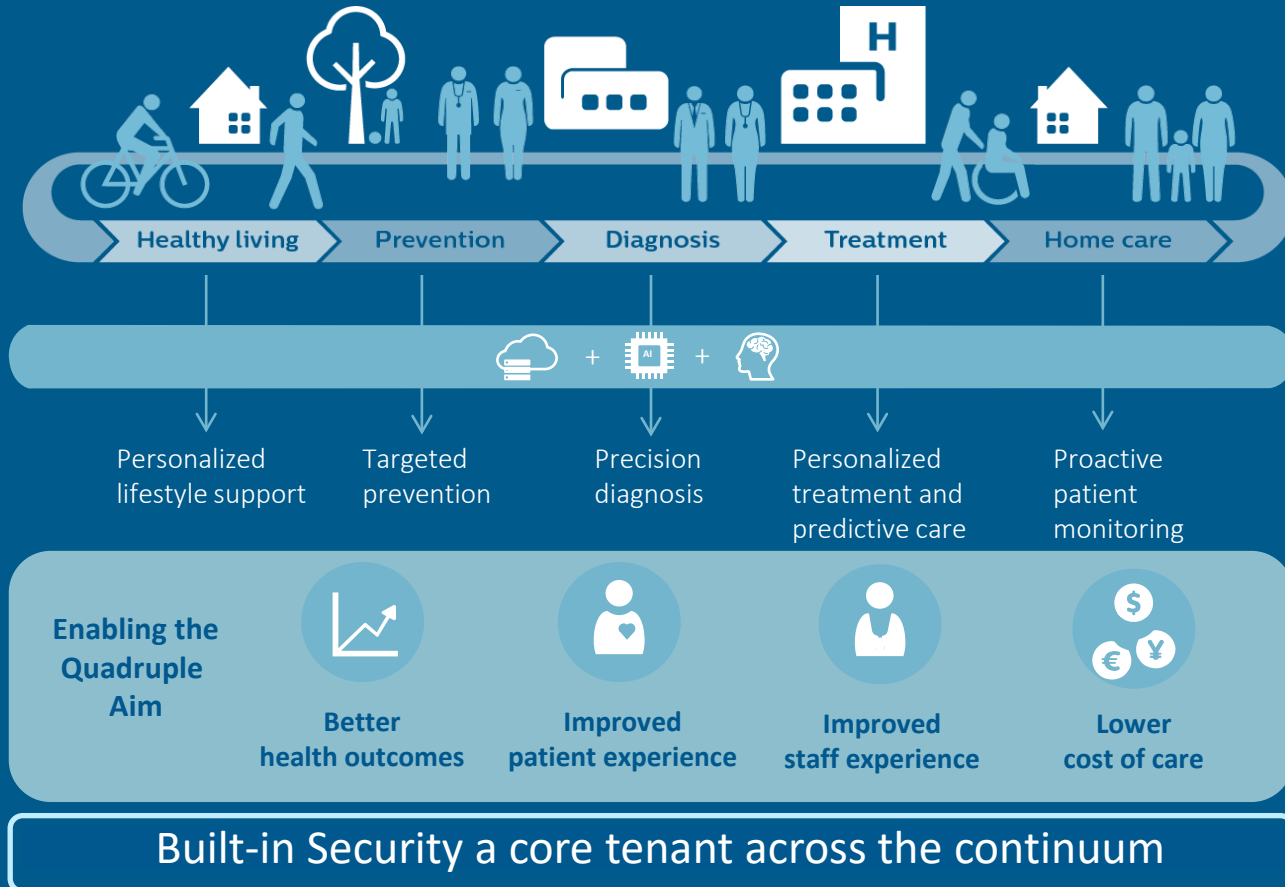


# 5G in Healthcare IT

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innovation  you

# Healthcare Informatics is the backbone of what we do



# Výzvy ve zdravotnictví

1



Omezené kapacity zdravotnického personálu a přetížení stávajícího. Vliv na patientskou spokojenost

2



Množství izolovaných systémů v nemocnici bez vzájemné komunikace a možnosti získat komplexní informace.

3



Potřeba zobrazení patientských dat v reálném čase s minimálními náklady na infrastrukturu.

4



Strmý růst objemů dat ve zdravotnictví - nové technologie, počty přístrojů, velikosti dat, a komplexnosti dat pro jednotlivá vyšetření.

5



Dostupnost dat při zachování pokročilých bezpečnostních nástrojů a v souladu v dnešním vysoce rizikovém prostředí

# Možnosti využití 5G ve zdravotnictví

- Vysoká přenosová rychlost
- Nízká latence
- Vysoká prostupnost signálu
- Nižší náklady na infrastrukturu

- Přenos velkých datových objemů
- Plynulá práce s daty v reálném čase
- Stabilní pokrytí v celé nemocnici
- Ekonomické oproti kabelu/WiFi

## Příklady použití:

Mobilita lékařů  
s přístupem k  
patientským  
datům kdykoliv  
a odkudkoliv

Poskytnutí  
diagnostických  
a klinických  
nástrojů

Zefektivnění  
práce  
zdravotního  
personálu

Centralizace  
dat napříč  
celou  
nemocnicí

Snížení nákladů  
na  
infrastrukturu a  
SW

Cybersecurity

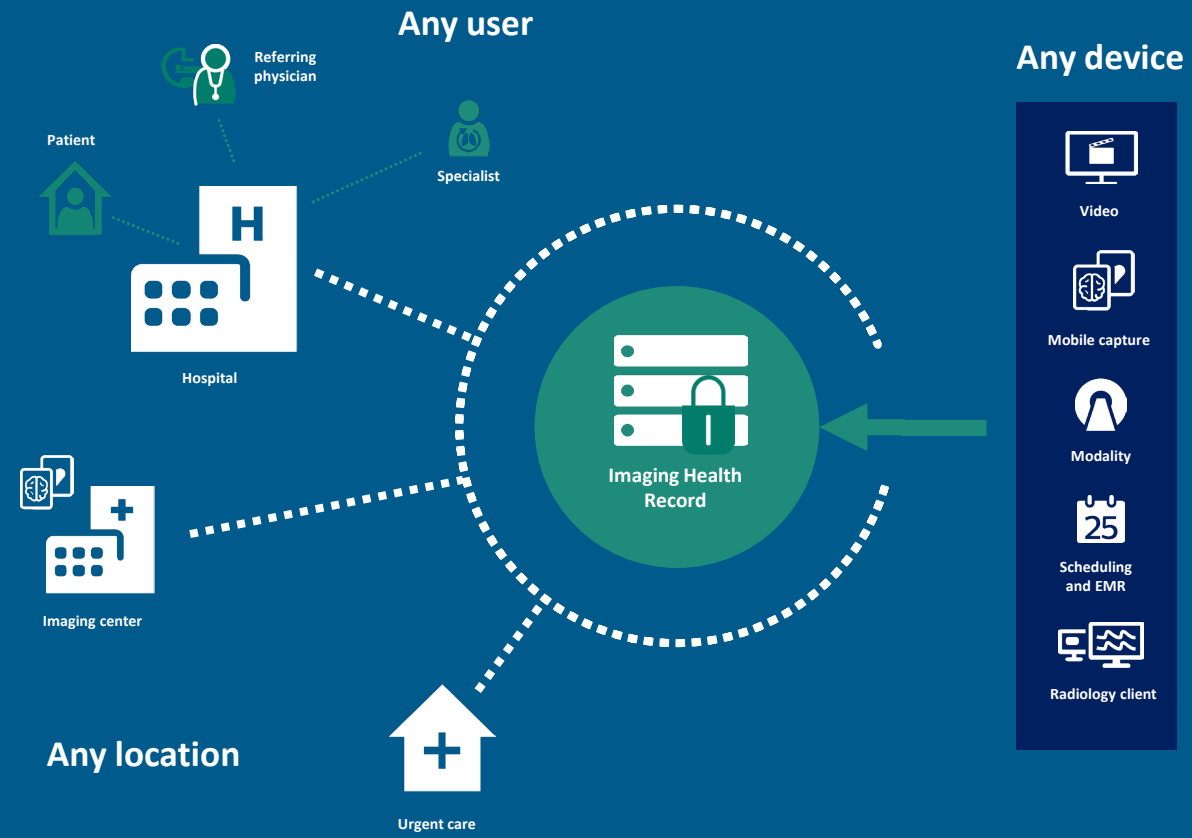


Řešení pro celou nemocnici



# Philips offers a **unified platform**

The **Unified Core** helps us to use a single interface to store multiple objects in different file formats to manage the entire patients clinical pathways



# Modular capabilities that **enable actionable insights** while serving **end-to-end workflows** across departments



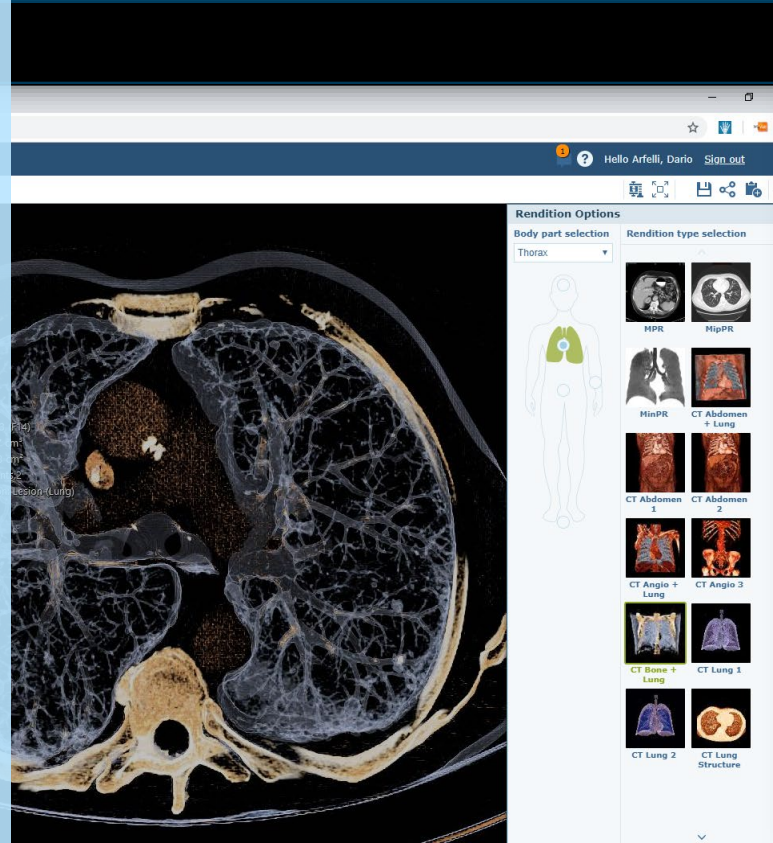
A **single platform**, with applications designed to **serve multi-ology, multi-departmental solutions** with seamless data flow and user experience



# Philips Enterprise Viewer unifies imaging across clinical service lines.

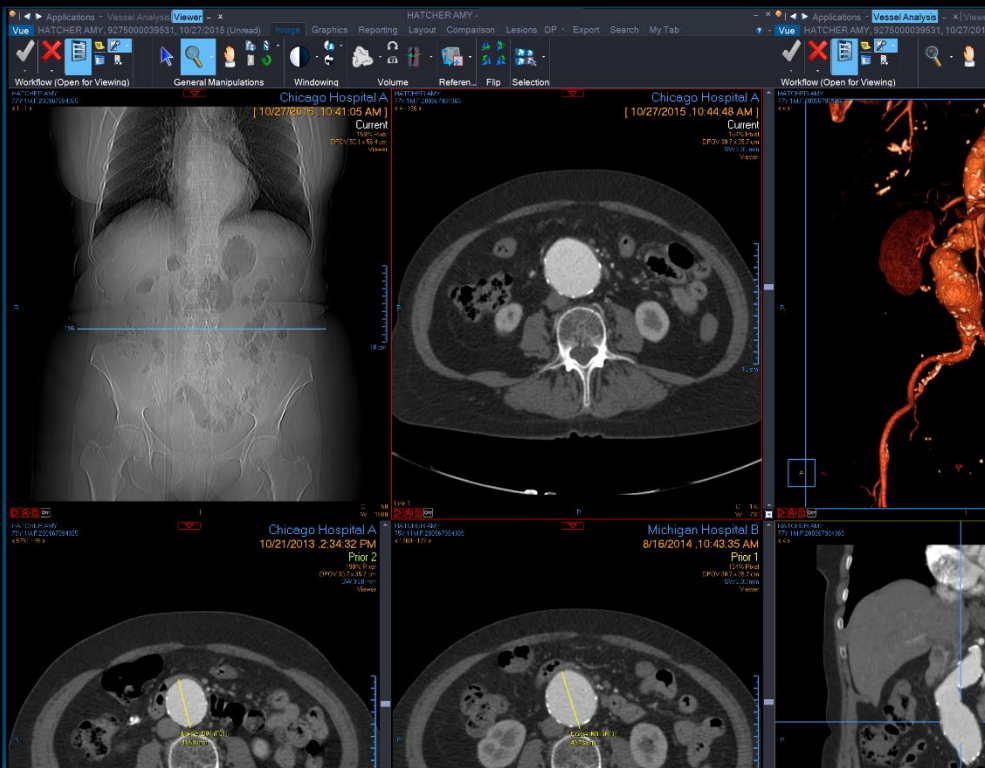
- No local installation or download required
- No dedicated training required with a single, intuitive user interface
- Approved for clinical reading, on mobile devices included
- Interactive reporting hyperlinks
- Universal viewer that is vendor agnostic. An XDS consumer that can display DICOM or non-DICOM data side by side.
- New communication capabilities, such as chat and screen sharing between clinicians and radiologists

# Universal Viewer





# Diagnostic Workspace - Key Features



## Embedded functionalities

- MPR/MIP
- Volume rendering
- Tissue definition
- Calcium scoring
- Cardiac analysis
- Coronary analysis
- PET-CT
- Lesion Management
- CT/MR Perfusion and diffusion
- Cardiology Pack
- Virtual teaching Library
- Breast Imaging
- DBT Breast Tomosynthesis



# Embedded collaboration tools

The screenshot displays a medical software interface with several key components:

- Search Bar:** "Search for patient (3) Hatcher, Amy"
- Patient Information:** "Patient ID: 200979684365 Date of Birth: 9/12/1941 (78Y 1M) Gender: F"
- Exam Details:** "Hatcher, Amy, 200979684365 Acc: 9275100039531 Exam Desc: CT Angiogram Abdomen w/o Contrast 4 - 1 Lossy (1:18)"
- Technical Data:** "10/27/2019 10:44 AM Pos: -90.50 mm SW: 2.00 mm CONTRAST C:100 W:450 Zoom: 172%"
- Chat Window:** A blue chat window is overlaid on the CT scan. It shows a message from "Aradi Yinon" with the text: "Please review this casa asap, I need your opinion". A "Screen sharing" icon is visible at the bottom of the chat window.
- Patient Reports:** A sidebar on the right shows "Patient Reports" for "1/1 Jennings, John (Md)". The report date is "10/27/2019". The procedure is "CTA TELERADIOLOGY ABDOMEN & PELVIS WITH CONTRAST".
- Clinical Details:** "Aortic aneurysm. Follow up. Prior exams are available for comparison: [CT 8/16/2018](#) ; [CT 10/21/2017](#)"
- Report and Summary:** "1. Previously described aneurysm of the abdominal aorta, beginning around 2.5 cm distal of the renal arteries. The suprarenal abdominal aorta is ectatic and elongated. Reference measurement in exactly similar slice position reveals a **diameter of 5.1 cm** (series 4, image 195) and thus an increase. No dissection membrane. No thromboses or other surrounding reaction in the retroperitoneum. Ectasia of the iliacal arteries, more pronounced on the right side. Mild stenosis at the origin of the left renal artery, discrete stenosis at the origin of the right renal"
- Bookmarks:** Three location markers labeled 1, 2, and 3.
- Notes:** "1/1 Jennings, John (Md)" with a red warning icon.

Online secure chat

Screen sharing

# Easy online access to imaging results

Hospital can customize the page with his logo and colors

It is designed to use the "extra share" option to send the images and reports to another doctor for second review.



Your Latest Results

OT CT ABDOMEN

10/27/2019 10:44 AM

Report

Jennings, John (Md)  
10/27/2019

PROCEDURE:  
CTA TELERADIOLOGY

CLINICAL DETAIL:  
Aortic aneurysm. Fr  
Prior exams are av

REPORT AND DISCUSSION:

1. Previously described renal arteries. The s measurement in ex and thus an increas No dissection memi No thromboses or o Ectasia of the iliaca Mild stenosis at the artery. Mild to distim 2. The upper abdom cysts and a small sc 3. Lung windowing t outline, measuring a Due to the scan ran the lower lobe. Again follow up is suggested.

Shared Exams

Direct sharing with a specific user:

Exam	Shared by	Shared on	Expiration	Shared with	
CT CT ABDOMEN 10/27/2019	me	11/30/2019	9/25/2020	Fisher, Frank (doctor@home.com)	

Sharing by access code:

Exam	Shared by	Shared on	Expiration	Codes	
CT ANGIOABD 8/16/2018	Faber, Harry	9/15/2019	5 times	HN4QC2RG	

Undo All

OK



Děkuji za Vaší pozornost

Prostor pro Vaše dotazy

