

Microsoft Mixed Reality Healthcare Providers

Mixed Reality – Healthcare Providers

Use Cases



Holographic Patient Consultation



Operative procedures are typically intimidating for patients because of their complex nature and the patients' lack of anatomy or biology expertise.



Apps for HoloLens 2 enable doctors to illustrate medical procedures using 3D holographic experiences that establish an elevated level of confidence and understanding for their patients.

Holographic Patient Consultation

Virtual Surgery Intelligence for HoloLens 2 enables a 3D holographic projection of a patient's internal systems along with virtual collaboration tools that *establish a procedural understanding canvas* which both clarifies knowledge and builds confidence in upcoming procedures and/or treatments.



Microsoft
HoloLens 2



apoQlar
Virtual Surgery Intelligence



Hamburg's Marienkrankenhaus Hospital used apoQlar's virtual surgery intelligence to **increase patients' familiarity and comfort** with upcoming medical procedures and treatments.

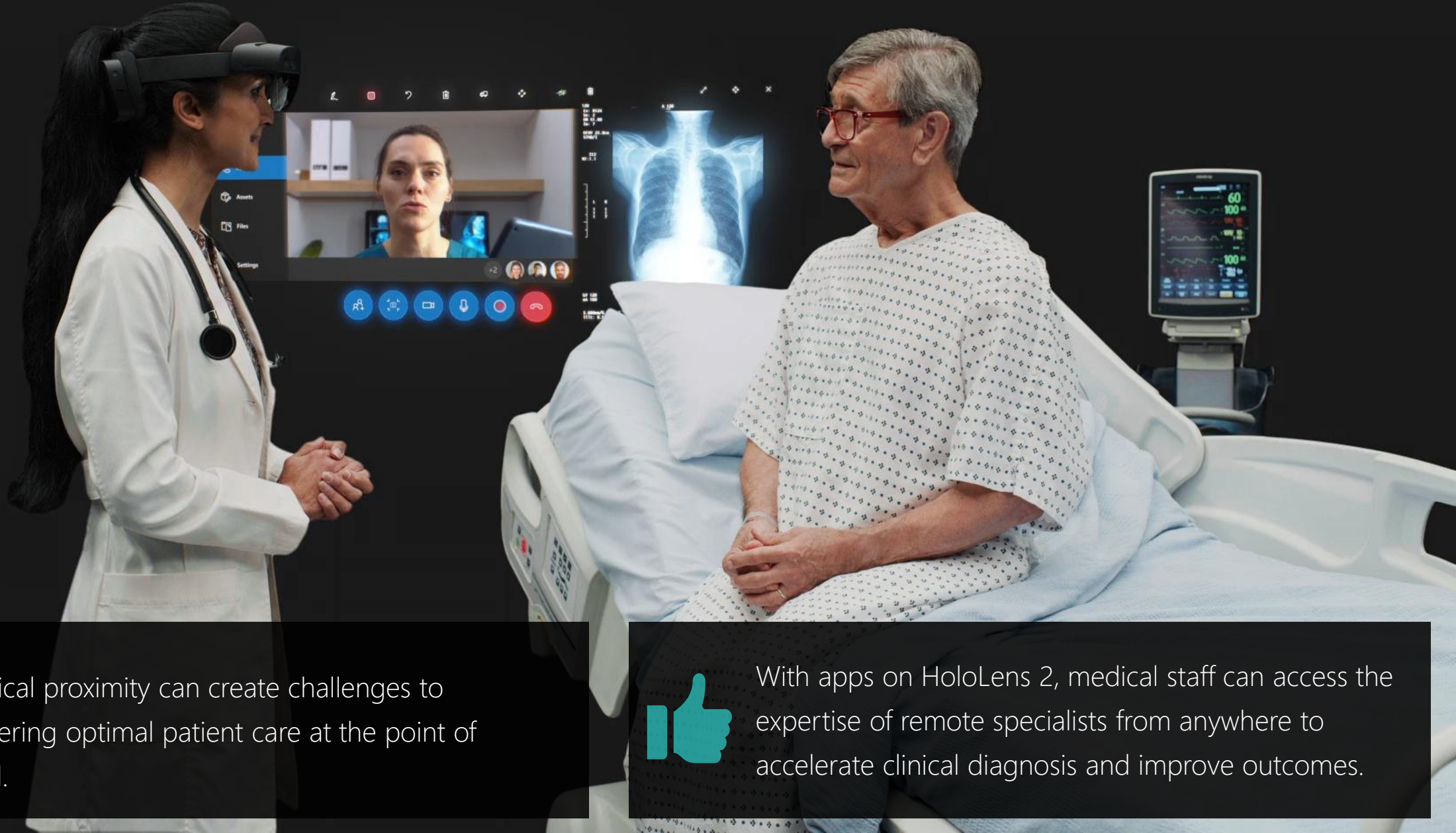


Marien Krankenhaus hospital sought a more effective solution to communicate surgical procedures to patients.



Using apoQlar's VSI software and HoloLens 2, surgeons at Marienkrankenhaus hospital can now utilize virtual 3D images of MRI and CT scans during surgery and in consultation with patients

Remote Expert Consultation



Physical proximity can create challenges to delivering optimal patient care at the point of need.



With apps on HoloLens 2, medical staff can access the expertise of remote specialists from anywhere to accelerate clinical diagnosis and improve outcomes.

Remote expert consultation

Dynamics 365 Remote Assist for HoloLens 2 supports remote consultation and enables medical staff to consult colleagues with heads-up and hands-free through an *interactive collaborative experience from anywhere in the world.*



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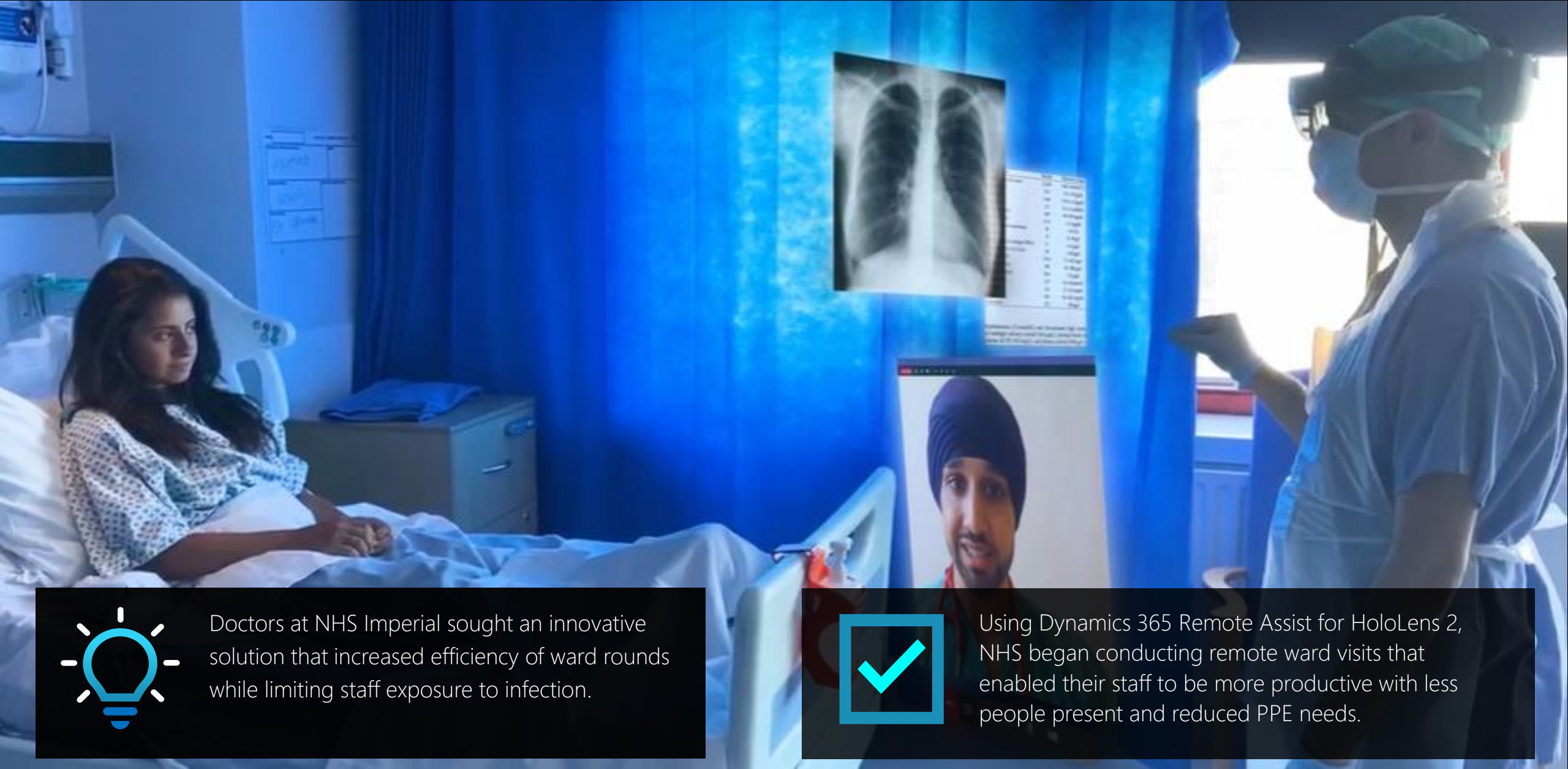
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Microsoft Dynamics 365
Remote Assist



With Dynamics 365 Remote Assist on HoloLens 2, NHS Imperial College reduced ward rounds by 30% and saved on average 43 minutes of a clinicians' time.



Doctors at NHS Imperial sought an innovative solution that increased efficiency of ward rounds while limiting staff exposure to infection.



Using Dynamics 365 Remote Assist for HoloLens 2, NHS began conducting remote ward visits that enabled their staff to be more productive with less people present and reduced PPE needs.

Training Simulations



Complex healthcare equipment and stringent procedural requirements make providing deep-level training and guidance to employees expensive and time-consuming.



Apps for HoloLens 2 empowers healthcare organizations with the ability to conduct simulated training enabling care teams to better optimize their time and effort.

Training Simulations

With Dynamics 365 Guides on HoloLens 2, medical staff can learn-by doing *with simulated, holographic step-by-step guidance* without subject matter experts being physically present.



Microsoft
HoloLens 2



Microsoft Dynamics 365
Guides



With Dynamics 365 Guides for HoloLens 2, Sheba was able to expedite task shifting across medical staff and meet staffing demands.

Ventilator preparation and preoperational check
Task 2 / 2



Sheba Medical needed a scalable solution that accelerated task shifting to meet urgent staffing demands.



Using Dynamics 365 Guides for HoloLens 2, Sheba created a virtualized training experience for hospital staff to independently master how to operate a physical ventilator machine.