

MedPresence

Expanding Your Clinical Care Team Virtually



The Future of Surgical Collaboration

What Is Telementoring?

Real-time access to clinical consultations, technical support, training, clinical education and best practices are more important than ever before, but physically bringing experts into a procedure room is not always possible, feasible or desirable.

Surgical telementoring is intended as a complementary measure for the experts providing guidance to a less experienced learner from a remote location. By using information and knowledge technologies without directly controlling the surgery locally, experienced mentors help surgeons develop their surgical skills to a greater level of proficiency for complex surgeries.

“[...] 78.6% [of asked surgeons] felt that telementoring would be useful to their practice [...]”⁴



Connecting Your Clinical Care Teams Within and Beyond the Hospital Walls

Proven Benefits of Mentoring Virtually

“ Perceived benefits of surgical telementoring include improved surgical exposure, increased extent of tumor resection [...]¹ ”

“ Telementoring may be an effective means of improving adoption of new surgical techniques, ultimately improving patient care.² ”

“ MedPresence enabled me swap between images from multiple sources with complete spatial and situational awareness, without any significant lag or delay in communication.³ ”

Dr. Vitor Mendes Pereira (Toronto, Canada)

“ [...] 78.6% [of asked surgeons] felt that telementoring would be useful to their practice, and 69.8% thought it would benefit their hospitals [by] [...] learning new techniques (46.5%) [and by giving] intraoperative assistance with unexpected findings (39.0%).⁴ ”

“ Lower exposure rates by enabling experts to consult virtually: Opening the door of the operating room is associated with increased environmental contamination.⁵ ”

“ It has been shown that telestration-supplemented guidance may reduce the duration of the telementored session by more than 30%.⁶ ”

“ [...] due to its shorter surgery time and shorter hospital stays, the use of mentoring is anticipated to be more economical.⁷ ”

¹ <https://pubmed.ncbi.nlm.nih.gov/27010229/>

² <https://pubmed.ncbi.nlm.nih.gov/26698191>

³ <https://jnis.bmj.com/content/early/2020/12/20/neurintsurg-2020-017053>; Emanuele Orru', Miklos Marosfoi, Neil V Patel, Alexander L Coon, Christoph Wald, Nicholas Repucci, Patrick Nicholson, Vitor M Pereira, Ajay K Wakhloo

⁴ <https://www.ncbi.nlm.nih.gov/pubmed/27444835> Glenn IC., Bruns NE., Hayek D., Hughes T., Ponsky TA. – 21 July 2016

⁵ <https://doi.org/10.1016/j.ajic.2018.03.005>

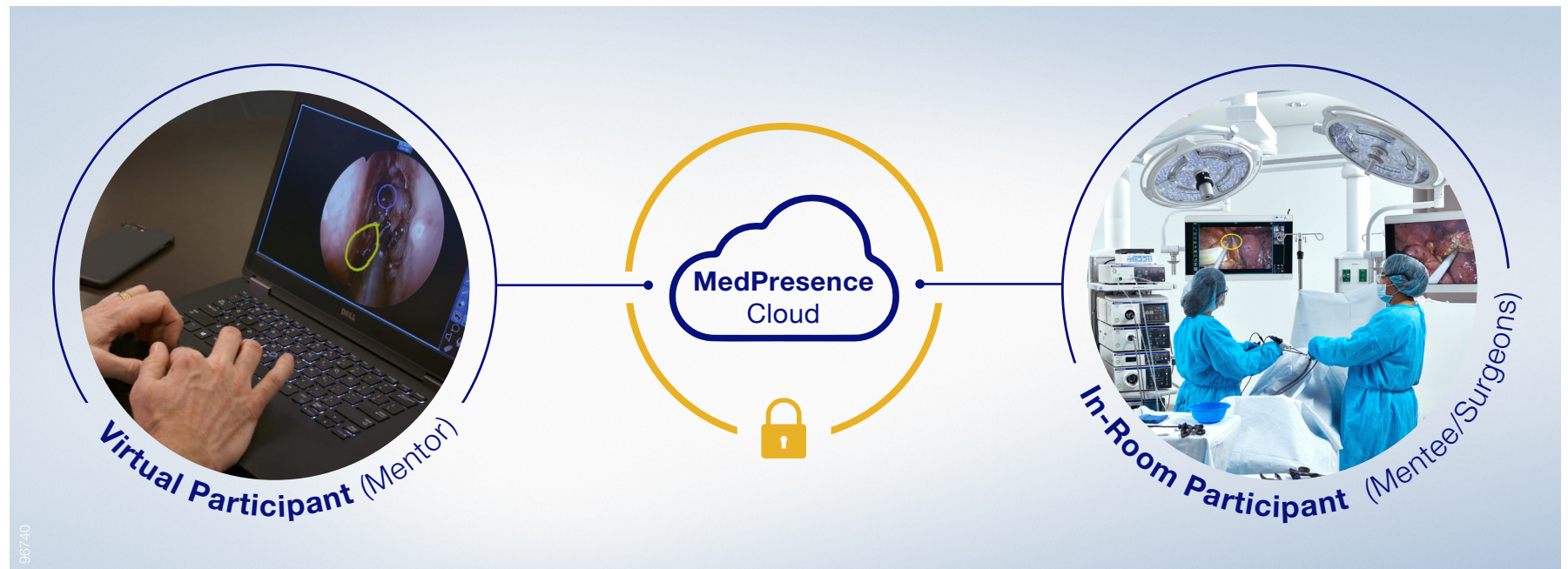
⁶ <https://www.sages.org/publications/guidelines/educational-implications-for-surgical-telementoring-a-current-review-with-recommendations-for-future-practice-policy-and-research>

⁷ <https://scielo.conicyt.cl/pdf/abioeth/v24n2/1726-569Xabioeth-24-2-00167.pdf>

Welcome to a World of Expertise

Secure Live Telementoring

MedPresence is an enterprise telecollaboration solution that enables teams to quickly bring needed expertise into a procedure space from across the organization, around the world, and at any time virtually.



Clinical Benefits



- **Improve health outcomes** with expertise sharing and rich collaboration.
- **Optimize infection control** by limiting the number of experts in the procedure or operating room.
- Share live or saved MedPresence sessions for teachable moments.
- Provide an immersive experience with **two-way audio, video and telestration.**

Economic Benefits



- Enable new collaboration models resulting in **efficient problem-solving** and **increased productivity.**
- **Reduce liability and costs** associated with patient infection and longer lengths of stay by limiting number of individuals in the operating room.
- **Minimize travel costs** for subject-matter experts needed in complex procedures.
- Gain **access to technical support** virtually and reduce operating room downtime.

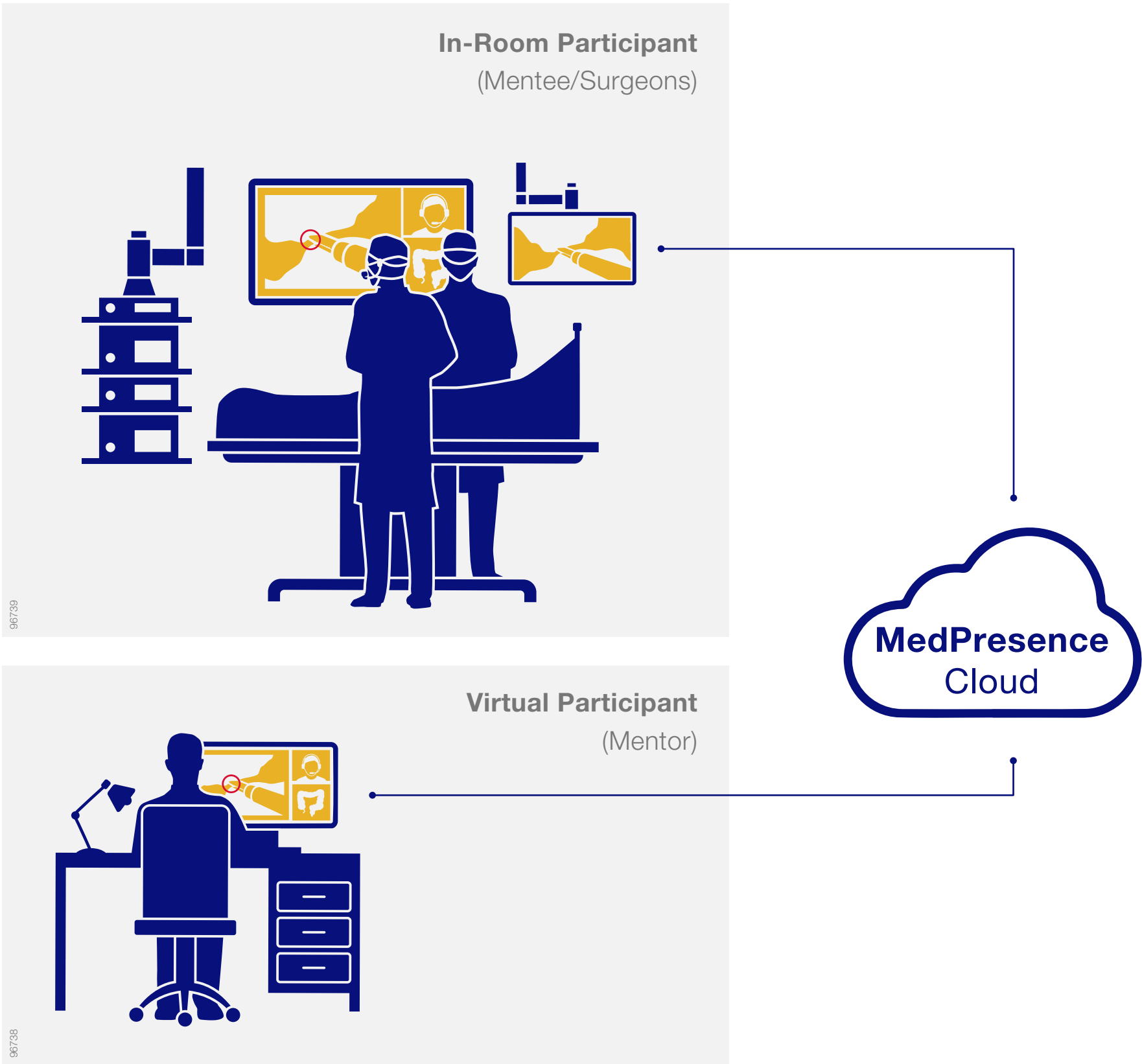
Security Benefits



- Safeguard the integrity of sensitive information with encrypted video streams and secure storage.
- **Invite remote experts securely** in and keep unauthorized users out.
- Rest assured the technology has been tested by industry experts—Black Hills Information Security—to help **protect against unauthorized access and use of information.**

Expand Your Clinical Care Team Virtually

The Clinical Workflow



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