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in the department: Lessons Learned from the pandemic

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State of Surgical Interventions Worldwide

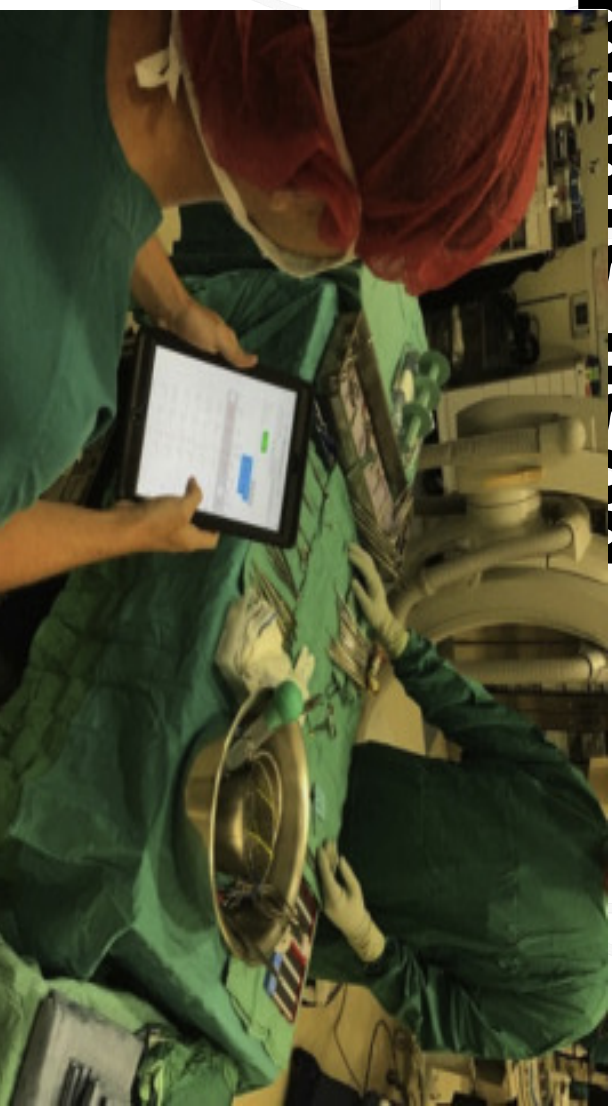
310,000,000
major surgeries
performed each
year*



*Dobson GP. Trauma of major surgery: A global problem that is not going away. *Int J Surg.* 2020 Sep;81:47-54. doi: 10.1016/j.ijisu.2020.07.017. Epub 2020 Jul 29. PMID: 32738546; PMCID: PMC7388795.

Estimated average surgical instruments used 15,190,000,000

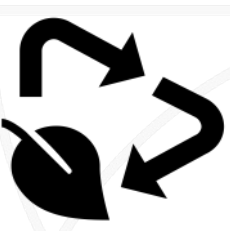
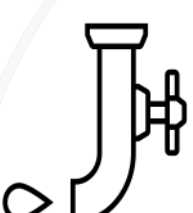
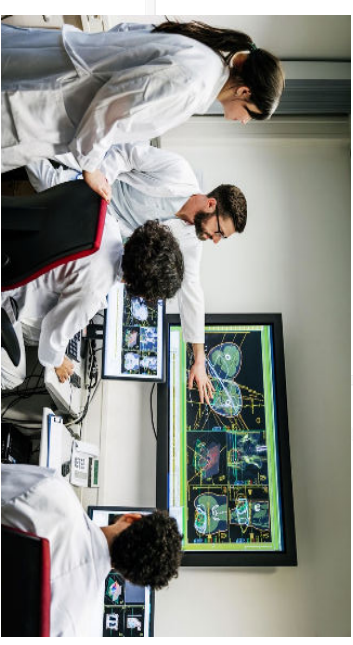
About 49 instruments
are used per
procedure in
cardiothoracic cases*



*Knowles M, Gay SS, Konchan SK, et al.: Data analysis of vascular surgery instrument trays yielded large cost and efficiency savings. J Vasc Surg. 2021, 73:2144-2153. 10.1016/j.jvs.2020.09.043 (photo included).

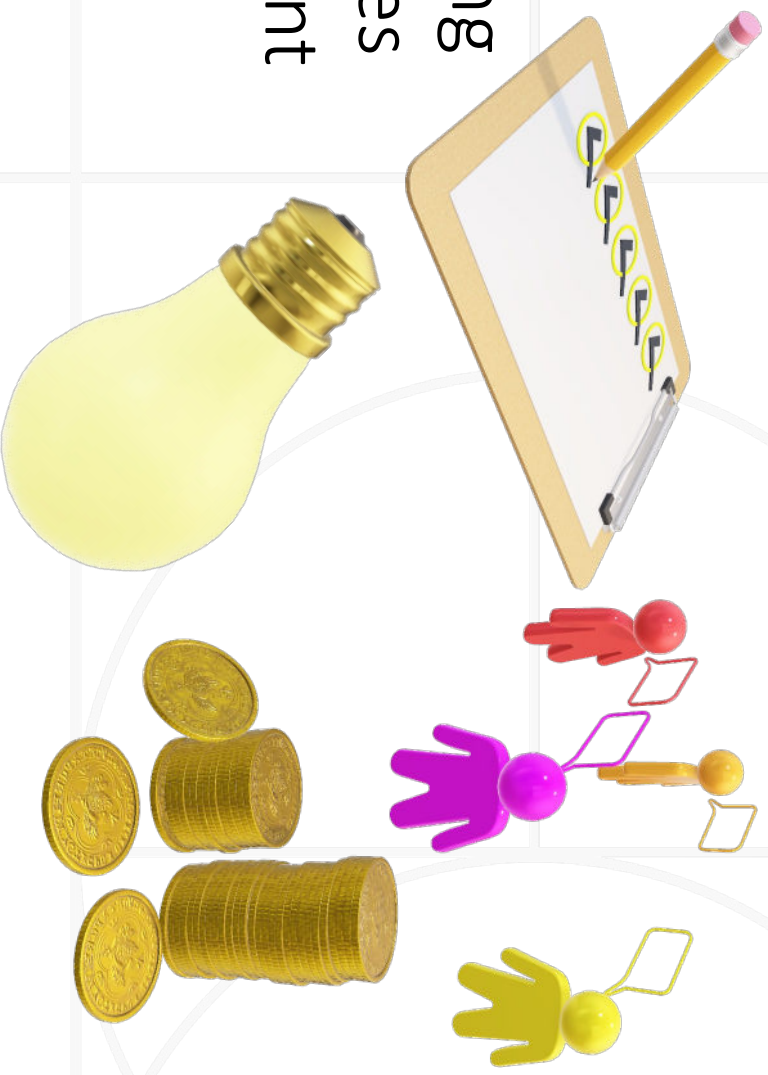
Reprocessing Unit for Medical Devices

1. Infection Control
2. Clinical Support
3. Quality and Risk
4. Sustainability



Reprocessing Unit for Medical Devices

1. Compliance
2. Education and Training
3. Systems and Processes
4. Resource management



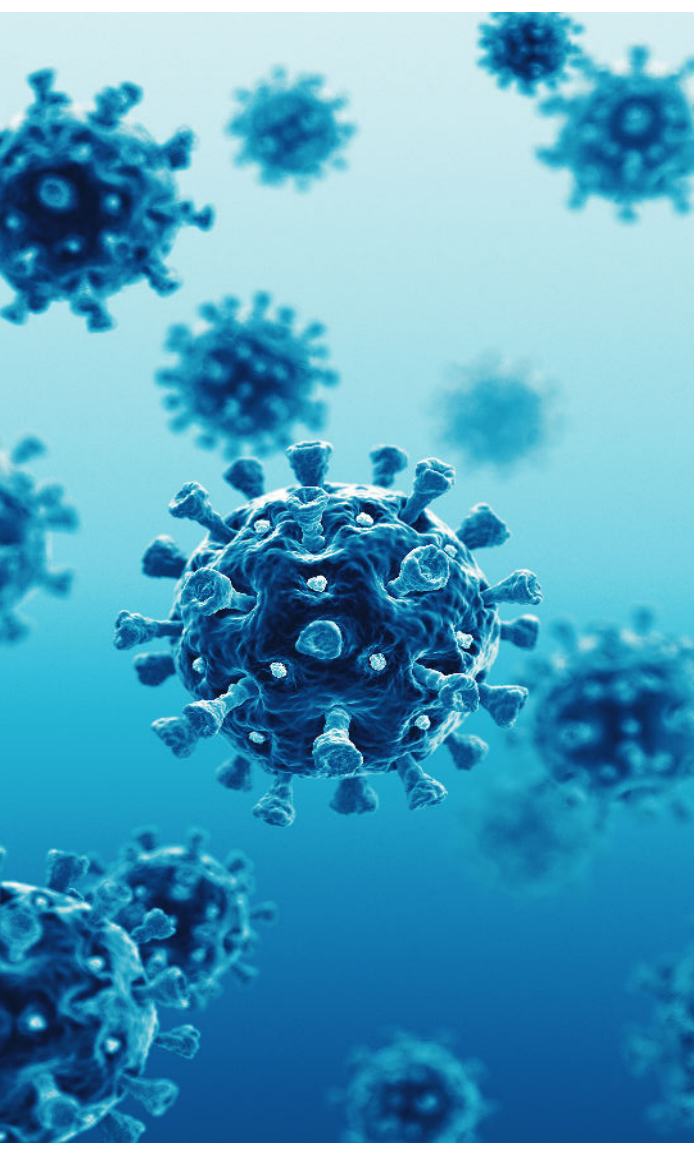
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A lot of people are expecting this

World Federation for
Hospital Specialists Societies
wfhs
Societies

As of 16 March
2023, about
4,487,553 died
directly related to
the pandemic*



* [Mortality Analyses - Johns Hopkins Coronavirus Resource Center \(jhu.edu\)](https://www.jhu.edu/)

State of Mental Health: During Covid

At least 1 in 4
healthcare workers
reported anxiety,
depression or
burnout symptoms*



* [World failing in 'our duty of care' to protect mental health and well-being of health and care workers, finds report on impact of COVID-19 \(who.int\)](https://www.who.int)

What is Mental Health?

A state of mental well-being that enables people to cope with the stresses of life, realize their abilities, learn well and work well, and contribute to their community.*



* <https://www.who.int/news-room/fact-sheets/detail/mental-health-strengthening-our-response#:~:text=Concepts%20in%20mental%20health,and%20contribute%20to%20their%20community.>



Coping Mechanisms

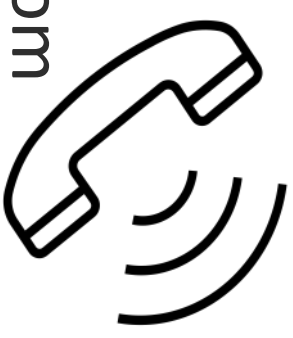
Reduction in stress due to
a sense of camaraderie
and teamwork, as well as
when sharing jokes or
humour with colleagues. *



* Rose, S., Hartnett, J. and Pillai, S., 2021. Healthcare worker's emotions, perceived stressors and coping mechanisms during the COVID-19 pandemic. *Plos one*, 16(7), p.e0254252.



Communication



Clear communication and specialised training on handling COVID-19 patients could reduce anxiety from the perceived unfamiliarity and uncontrollability of the hazards involved.*

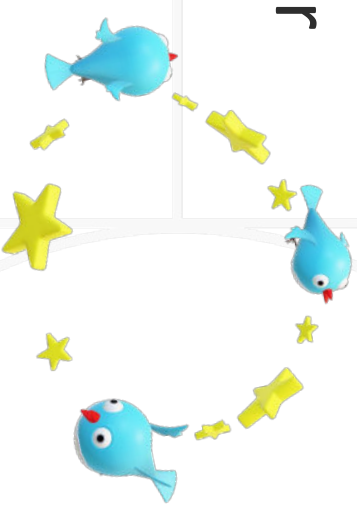


*Pappa, S., Ntella, V., Giannakas, T., Giannakoulis, V.G., Papoutsis, E. and Katsounou, P., 2020. Prevalence of depression, anxiety, and insomnia among healthcare workers during the COVID-19 pandemic: A systematic review and meta-analysis. *Brain, behavior, and immunity*, 88, pp.901-907.



Resilience and self care

HCWs resilience is mainly born out of their professional identity, collegial support, effective communication from supportive leaders along with flexibility to engage in self-care and experiences of growth.*



*Curtin, M., Richards, H.L. and Fortune, D.G., 2022. Resilience among health care workers while working during a pandemic: A systematic review and meta synthesis of qualitative studies. *Clinical psychology review*, 95, p.102173.



Social Media: Pros and Cons

Social connections with colleagues, loved ones, formal supports and the wider community are maintained while physical distancing, supports a sense of being in this together while managing adversity.*

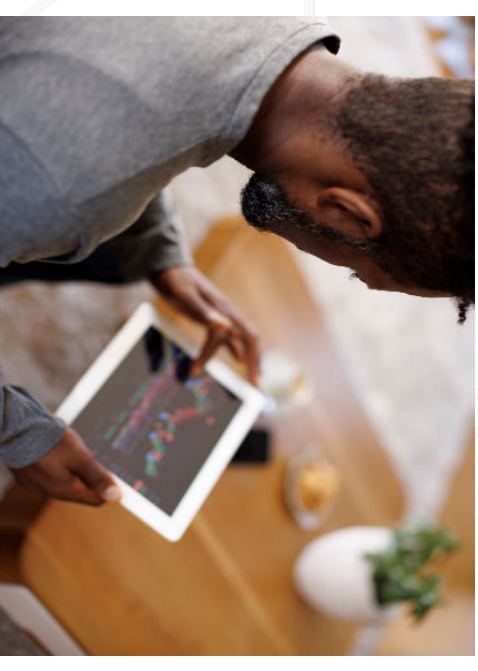


*Curtin, M., Richards, H.L. and Fortune, D.G., 2022. Resilience among health care workers while working during a pandemic: A systematic review and meta synthesis of qualitative studies. *Clinical psychology review*, 95, p.102173.

Conclusion



Healthcare workers' work performance and mental health are associated with positive mental health outcomes and are directly related to increased productivity and decreased disability costs. *



*Nowrouzi-Kia B, Sithamparamanathan G, Nadesar N, Gohar B, Ott M. Factors associated with work performance and mental health of healthcare workers during pandemics: a systematic review and meta-analysis. J Public Health (Oxf). 2022 Dec 1;44(4):731-739. doi: 10.1093/pubmed/fdab173. PMID: 34056663; PMCID: PMC8194873.

Intrinsic rewards, workplace communication and acknowledgement of their work are positive resources for their mental health. Self-care was highlighted as a possible solution for the challenging moments in this essential workforce. *



* Kotera, Y., Ozaki, A., Miyatake, H., Tsunetoshi, C., Nishikawa, Y., Kosaka, M., Tanimoto, T., 2022. Qualitative Investigation into the Mental Health of Healthcare Workers in Japan during the COVID-19 Pandemic. International Journal of Environmental Research and Public Health 19, 568. <https://doi.org/10.3390/ijerph19010568>

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**Merci, dank U, dank je wel,
danke schon**

