Centralization of surgical instruments in a central sterilization unit: any impact(s) on the quality?

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Methods

- Before / After study
- Total number of active containers in our hospital
- Number of active containers with one or more surgical instruments missing
- Number of missing instruments per container
- Number of times the containers were sterilized before being completed

Results

In 2013 (July to December), 42632 containers were sterilized in our establishment (= active containers). In 2014 (July to December), after the storeroom was created, 46955 containers were sterilized.

- 6221 (14,6%) containers were incomplete in 2013 vs 3004 (6,4%) containers in 2014
- Total sterilization runs: 6,7 in 2013 and 4,6 in 2014
- Average number of missing instruments: 2,8 in 2013 and 1,5 in 2014

Discussion

- A satisfaction survey will be sent to the surgeons: An interesting way to estimate the level of global improvement
- An inventory will be performed after one year: to assess its financial impact

Conclusion

- Positive impact on the quality of the containers living the CSU
- This unique IBI is relevant and must be maintained in the CSU