Opening, introduction and project overview

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LINDENHOFGRUPPE

luzerner kantonsspital
LUZERN SURSEE WOLHUSEN

Radboudumc

eoc

INSELSPITAL
UNIVERSITÄTSSPITAL BERN
HÔPITAL UNIVERSITAIRE DE BERNE

Universitätsspital Basel

Kantonsspital Graubünden

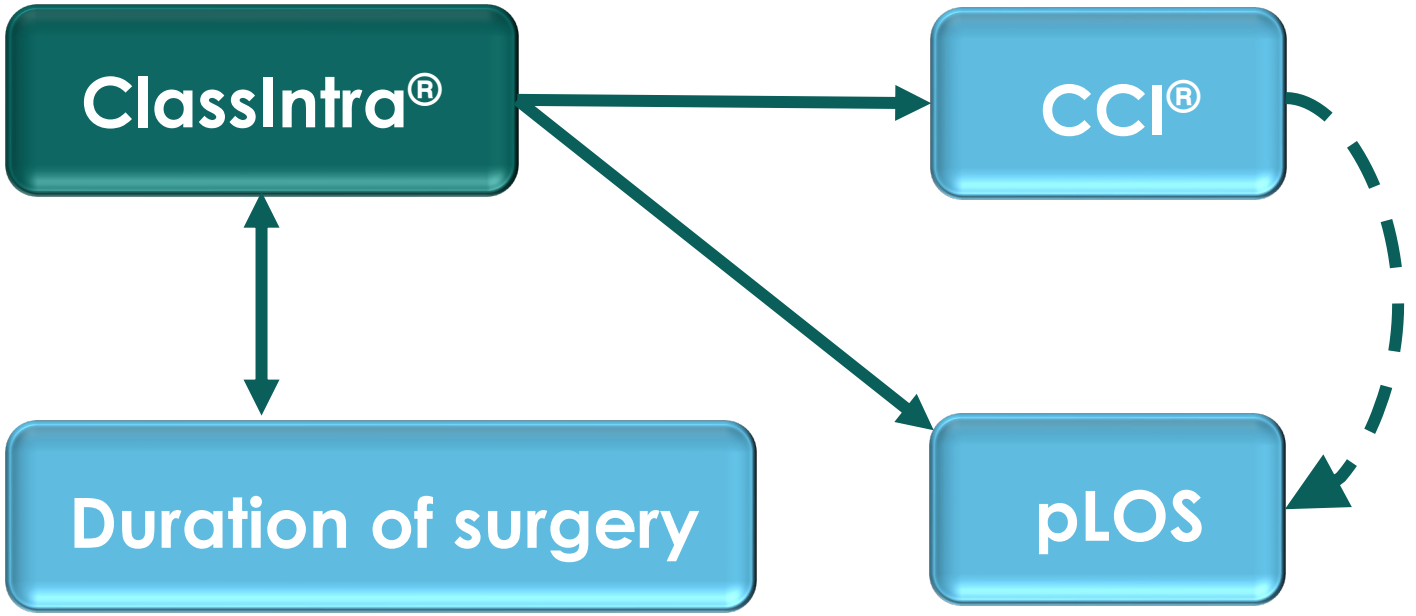
CHUV Centre hospitalier universitaire vaudois

Universität Zürich[UZH]

USZ Universitäts Spital Zürich

Background

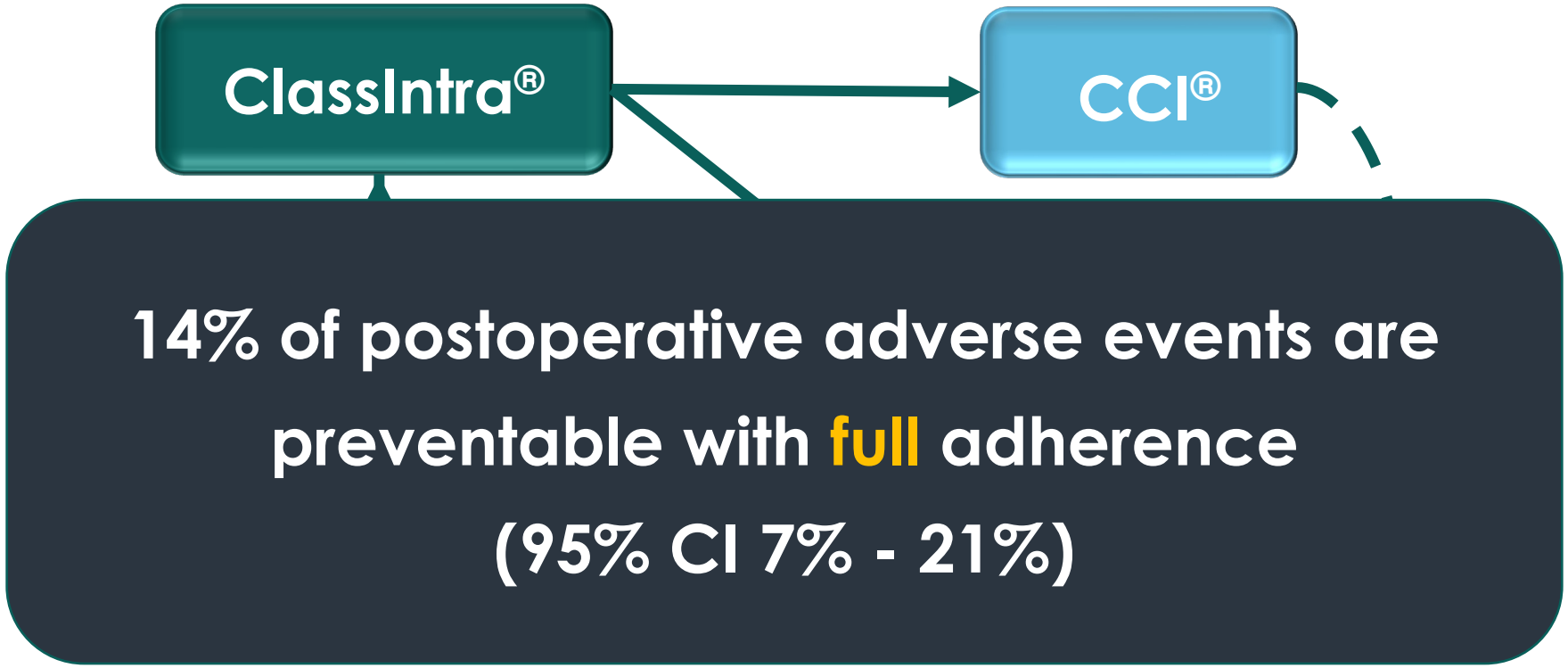
Aim of the project



Sign Out Key concerns for postoperative management and recovery

Dell-Kuster et al. *BMJ* 2020; Mayer et al. *Ann Surg 2016*

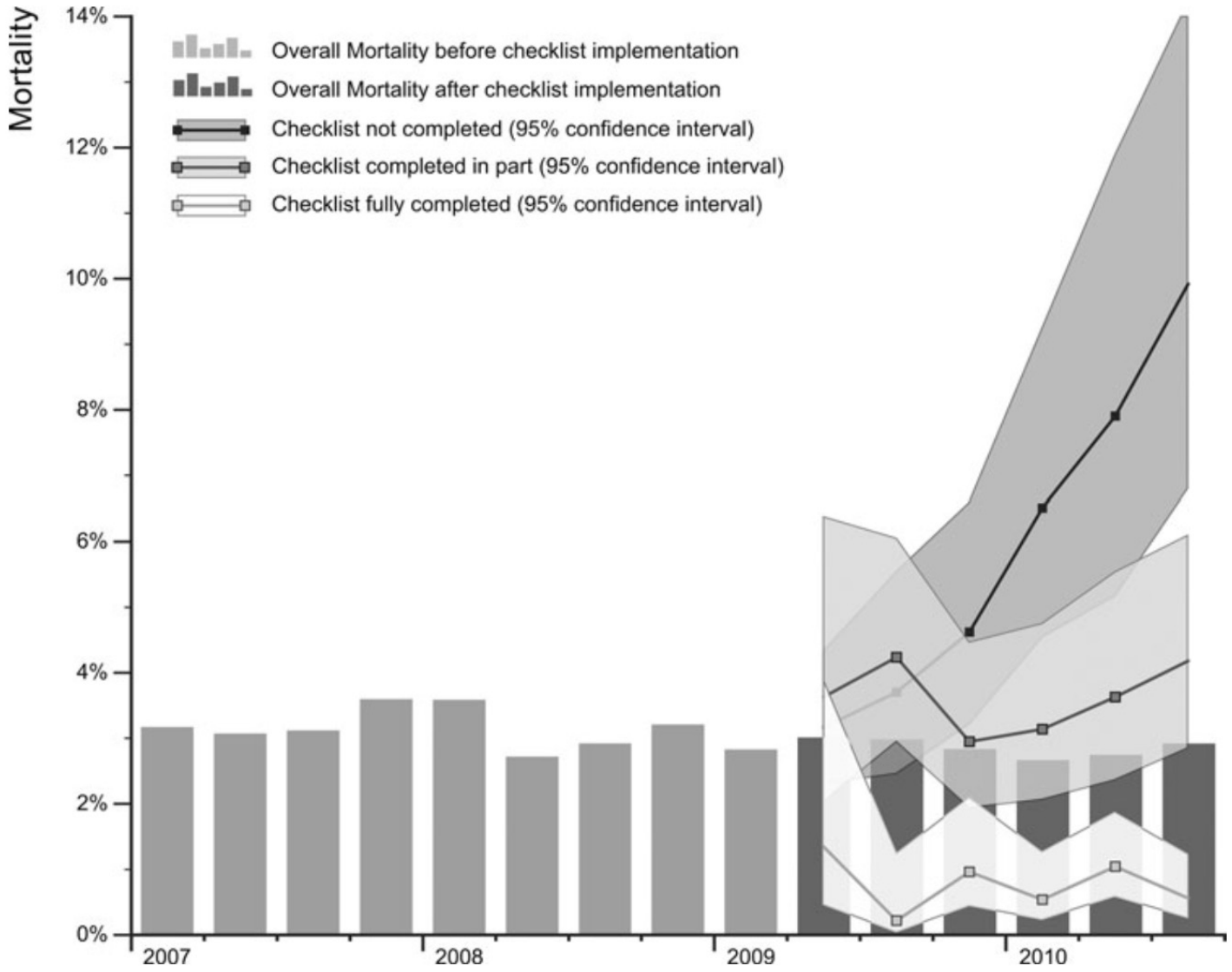
Aim of the project



Sign Out — Key concerns for postoperative management and recovery

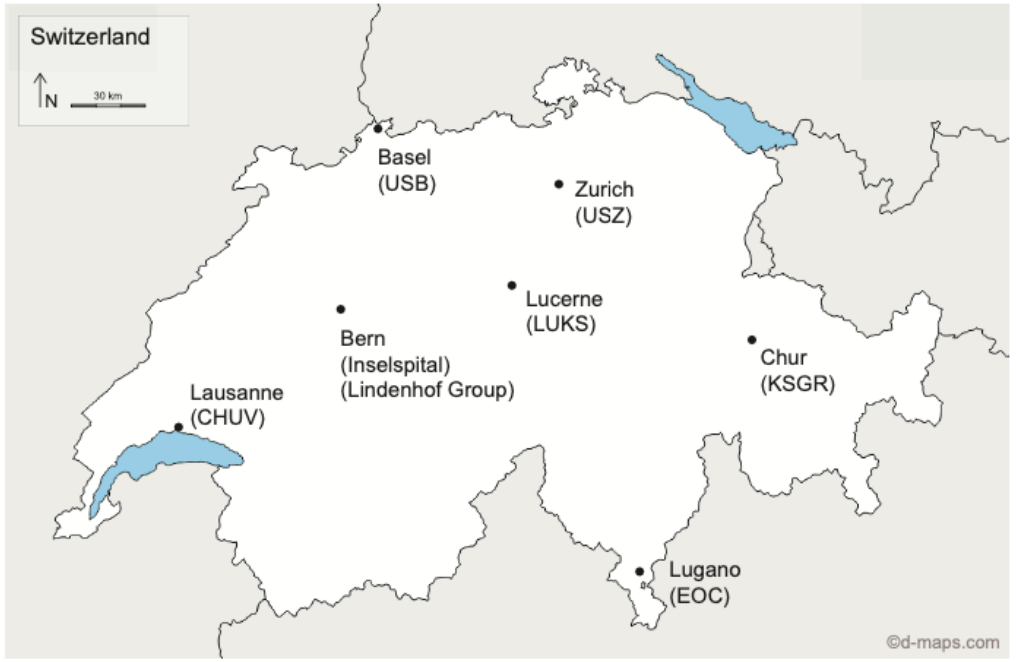
Dell-Kuster et al. *BMJ* 2020; Mayer et al. *Ann Surg 2016*

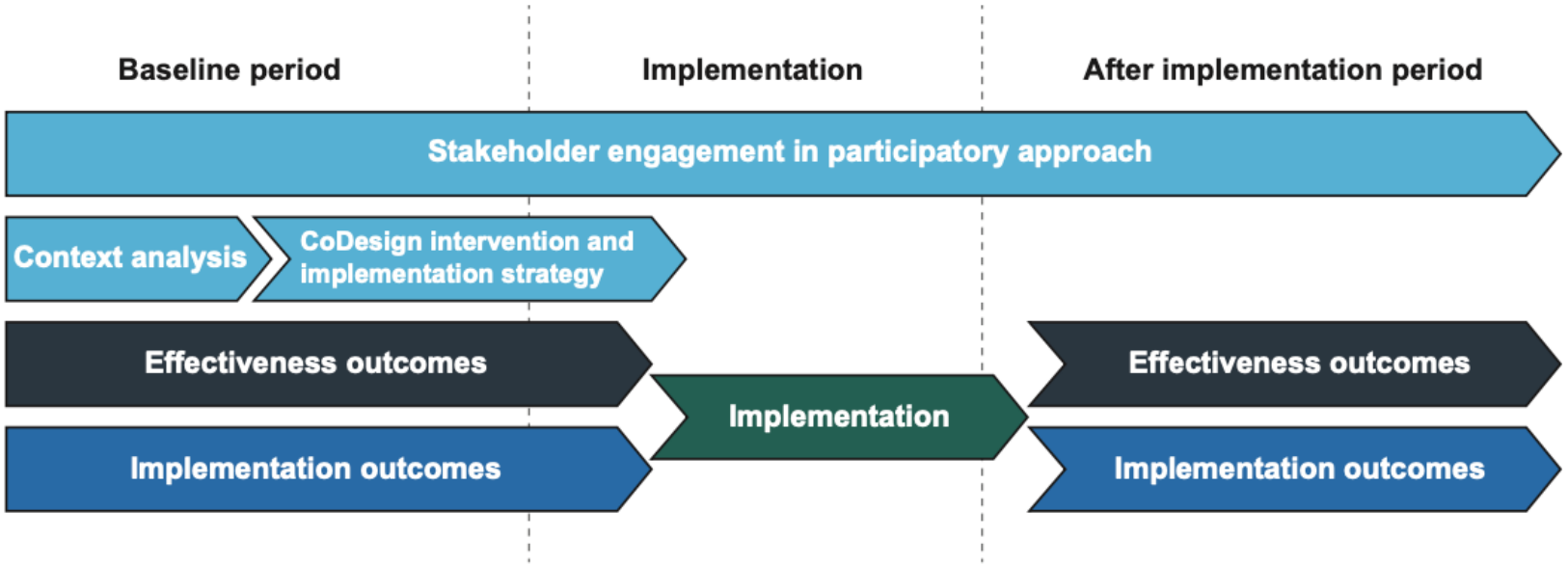
Compliance



Van Klei et al. Ann Surg 2012; Bergs et al. BJS 2014

Project plan





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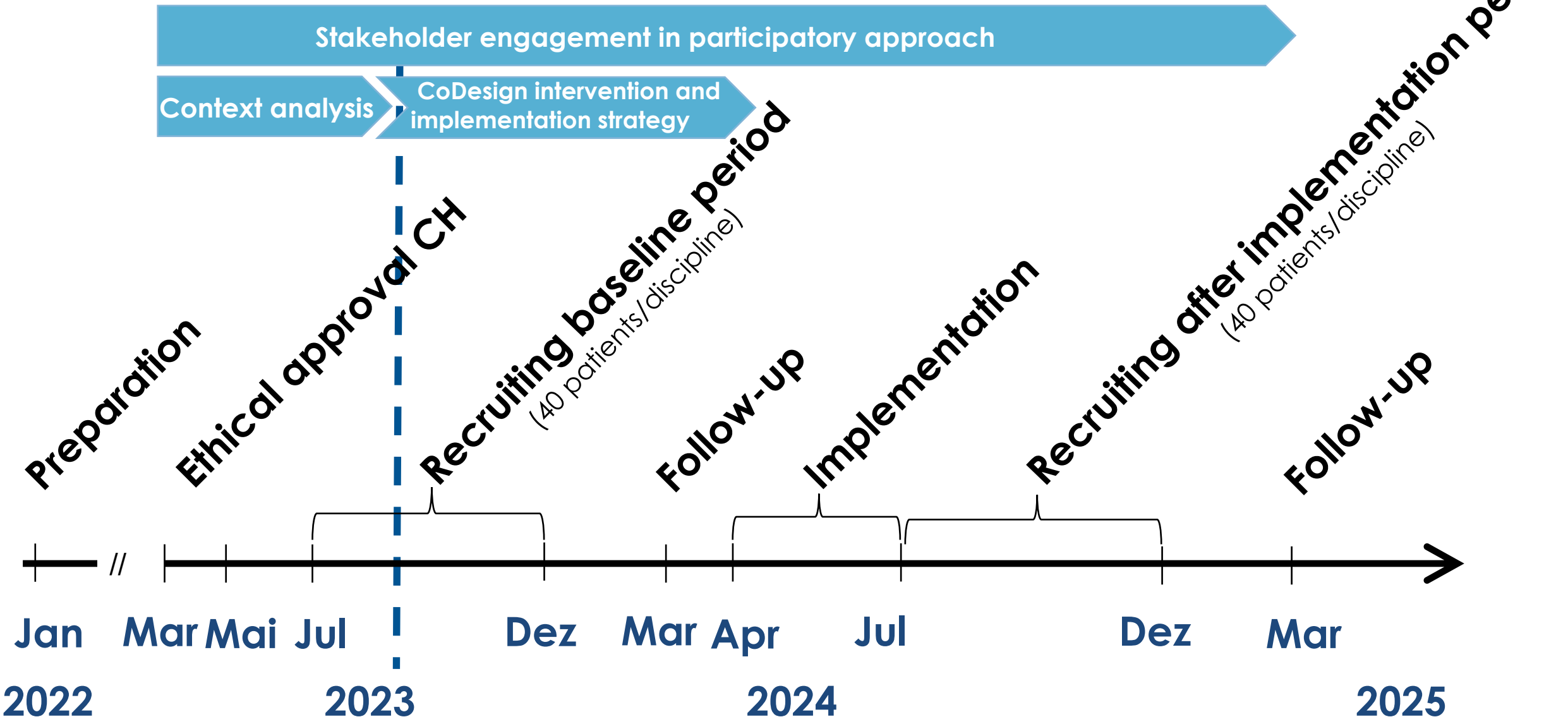
Timeline CIBOSurg



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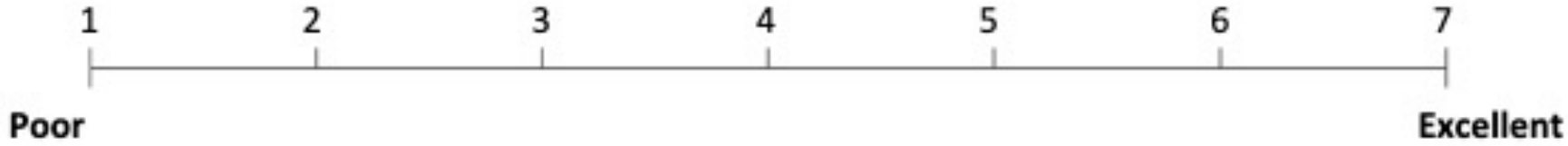
Project procedure in each centre

- 40 patients per discipline (all in-hospital patients)
- Intraoperative data collection by project/ anaesthesia team
- Postoperative adverse events by project/ surgical team
- 90-day FU sent out by central project team

Quality of performance of sign-out

In 10 out of 40 patients/discipline: assessment of quality of performance

WHOBARS: Sign-out
Setting the stage
Team engagement
Communication: Activation
Communication: Problem anticipation
Communication: Process completion



Devcich et al. *BMJ Qual Safety* 2016

Validation of ClassIntra®

interrater agreement

Reporting discrepancy

intra- and postop AEs

ClassIntra®

general information

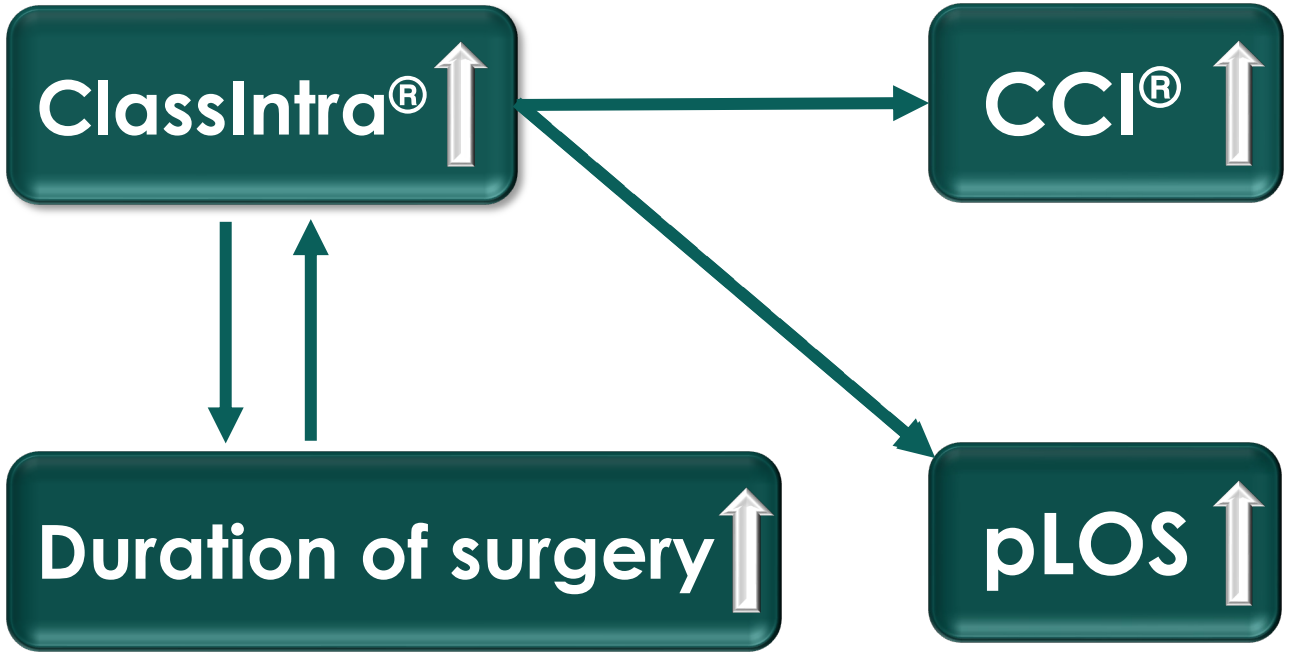
Prospective validation of ClassIntra® | *Construct validity*

Construct validity

Expected associations with other variables

Clinical relevance

International, multicentre prospective cohort study



Bland et Altman. *BMJ* 2002; 324: 606-7. Dell-Kuster et al. *BMJ* 2020

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Prospective validation of ClassIntra® | *Criterion validity*

Criterion validity

Comparison with external criterion

Reliability

Survey using 10 case scenarios

Intraclass correlation coefficient

0.76 (95% CI; 0.59, 0.91)

Overall agreement

61% (IQR 42 - 71%)

Bland et Altman. *BMJ* 2002; 324: 606-7. Dell-Kuster et al. *BMJ* 2020

Validation of ClassIntra®

interrater agreement

Reporting discrepancy

intra- and postop AEs

ClassIntra®

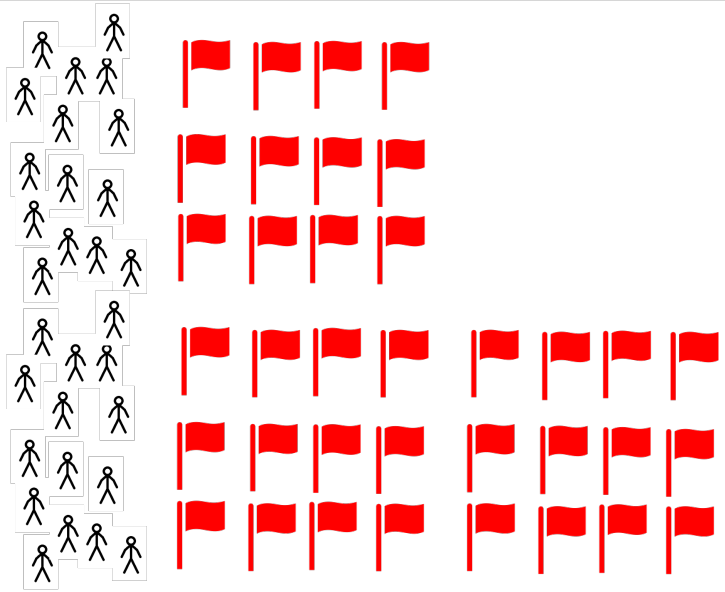
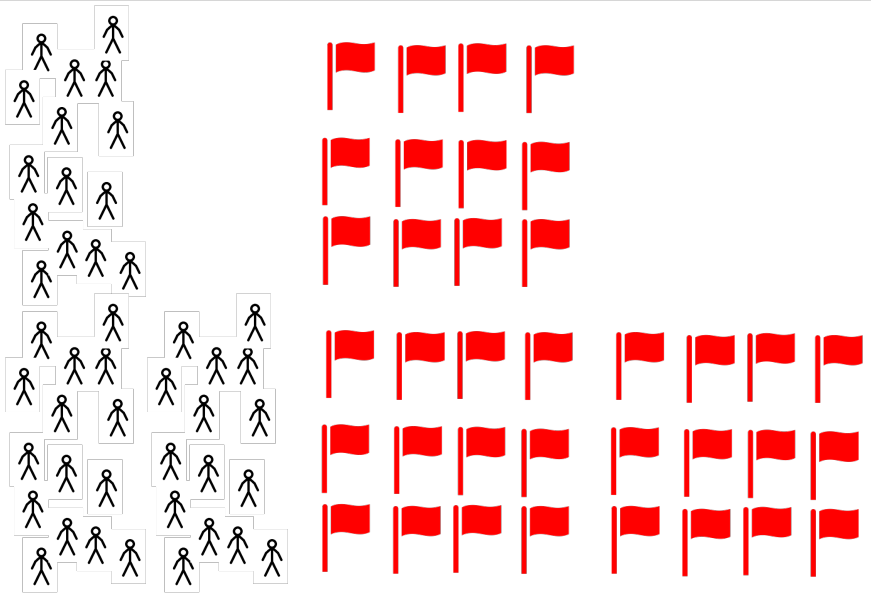
general information

Reporting discrepancy | *Methods*

ClassIntra® validation study	**Prospective** cohort	2520 → **320**	**Perioperative care team**
Chart review	**Retrospective** chart review	**320**	**Two physicians** **Independent** **Blinded**

Gomes et al. *Ann Surg 2023*

Reporting discrepancy | *Results of postop AEs*

	Intraoperative Adverse Events	***Post***operative Adverse Events
ClassIntra® validation study		
Chart review		

Gomes et al. *Ann Surg 2023*

Reporting discrepancy | *Results of intra- and postop AEs*

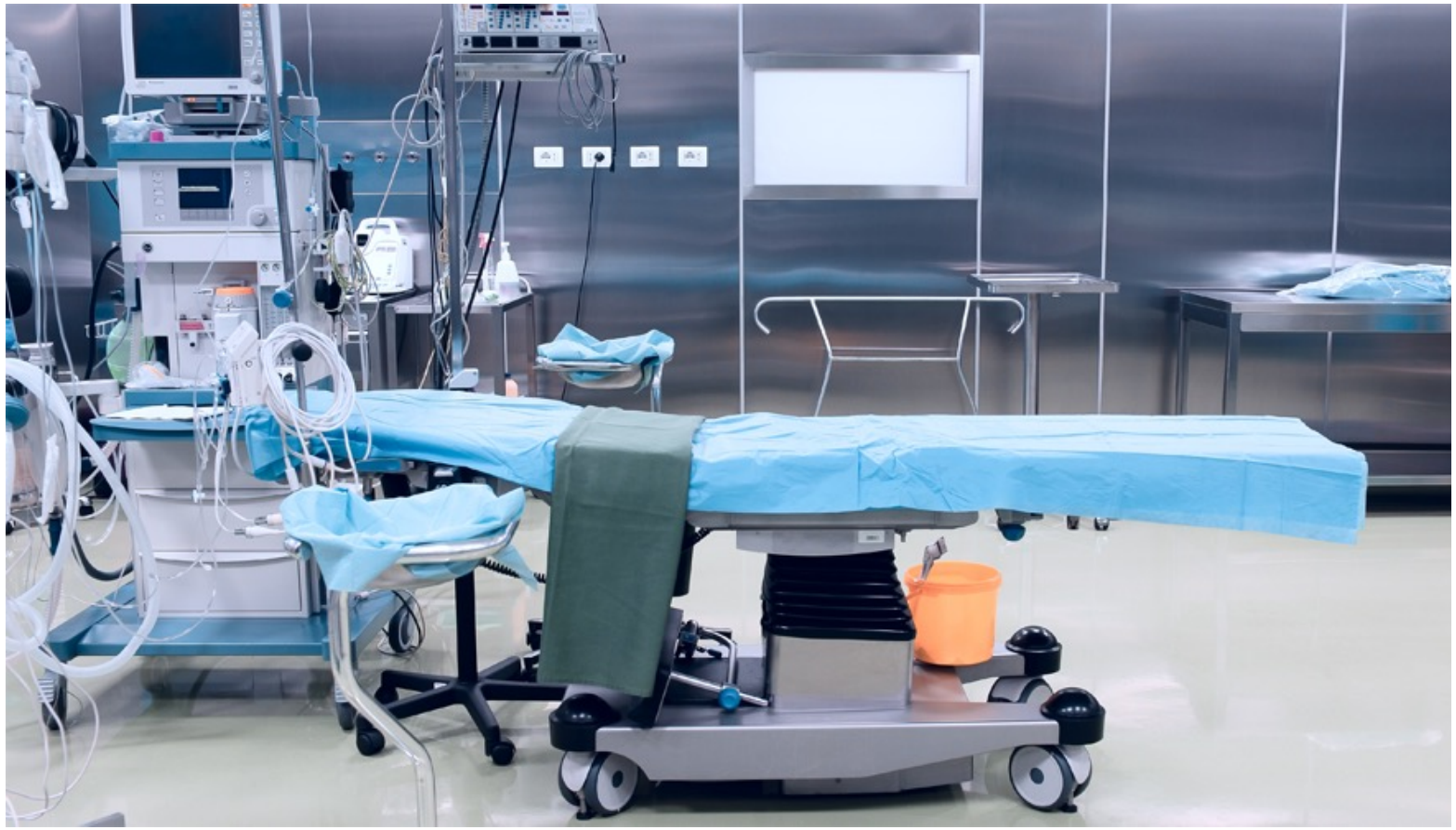
ClassIntra®
validation study

Chart review

tive Adverse Events

Gomes et al. *Ann Surg 2023*

Reporting discrepancy | *Conclusions for CIBOSurg*



Awareness

Prevention

Learning

The biggest room in the world is the room for improvement

Validation of ClassIntra®

interrater agreement

Reporting discrepancy

intra- and postop AEs

ClassIntra®

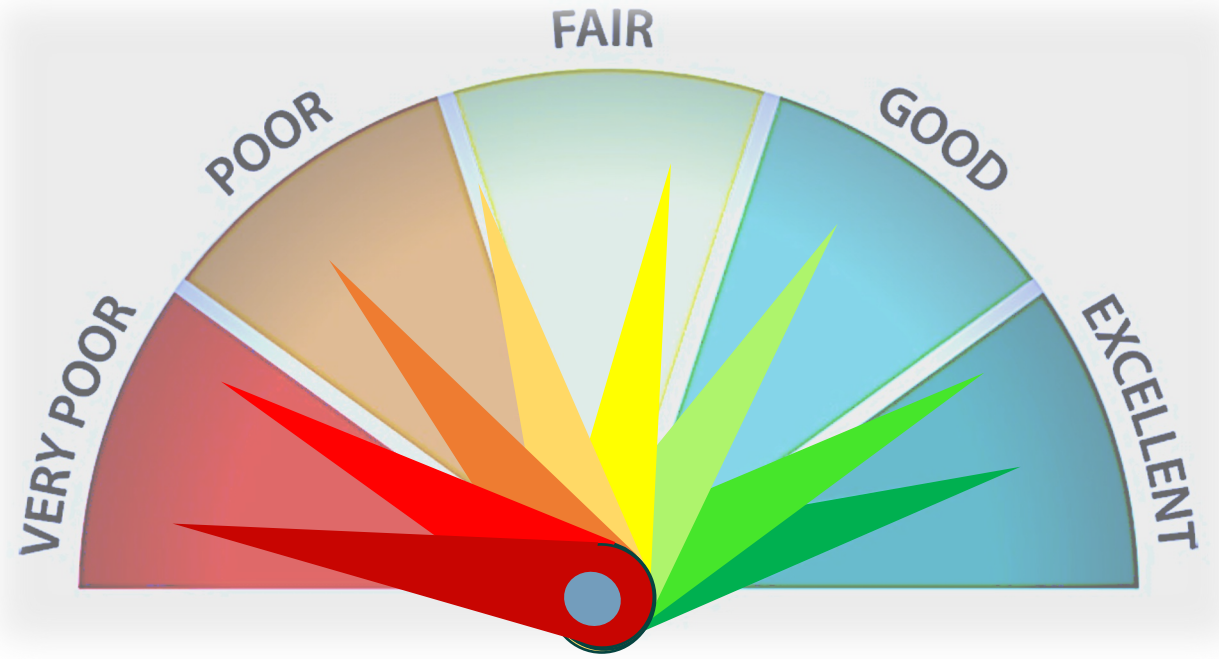
general information

ClassIntra® | *General information*

- Innovation Qualité Award

- Support by the following medical societies:
  - Anaesthesia: SSAPM
  - Surgery: SGC, SGU, SGG, SCS, SGACT
- Core variable in AQC and A-QUA database
- Accepted as **quality improvement measure** by H+ Swiss Hospitals

Closing remarks



….reduces quality.

Closing remarks

… reduces costs.

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Logo for CIBOSurg (ClassIntra® for Better Outcomes in Surgery)?

CIBOSURG

Logo: Lia Schürpf

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