TG262

Workflow and the Electronic Chart

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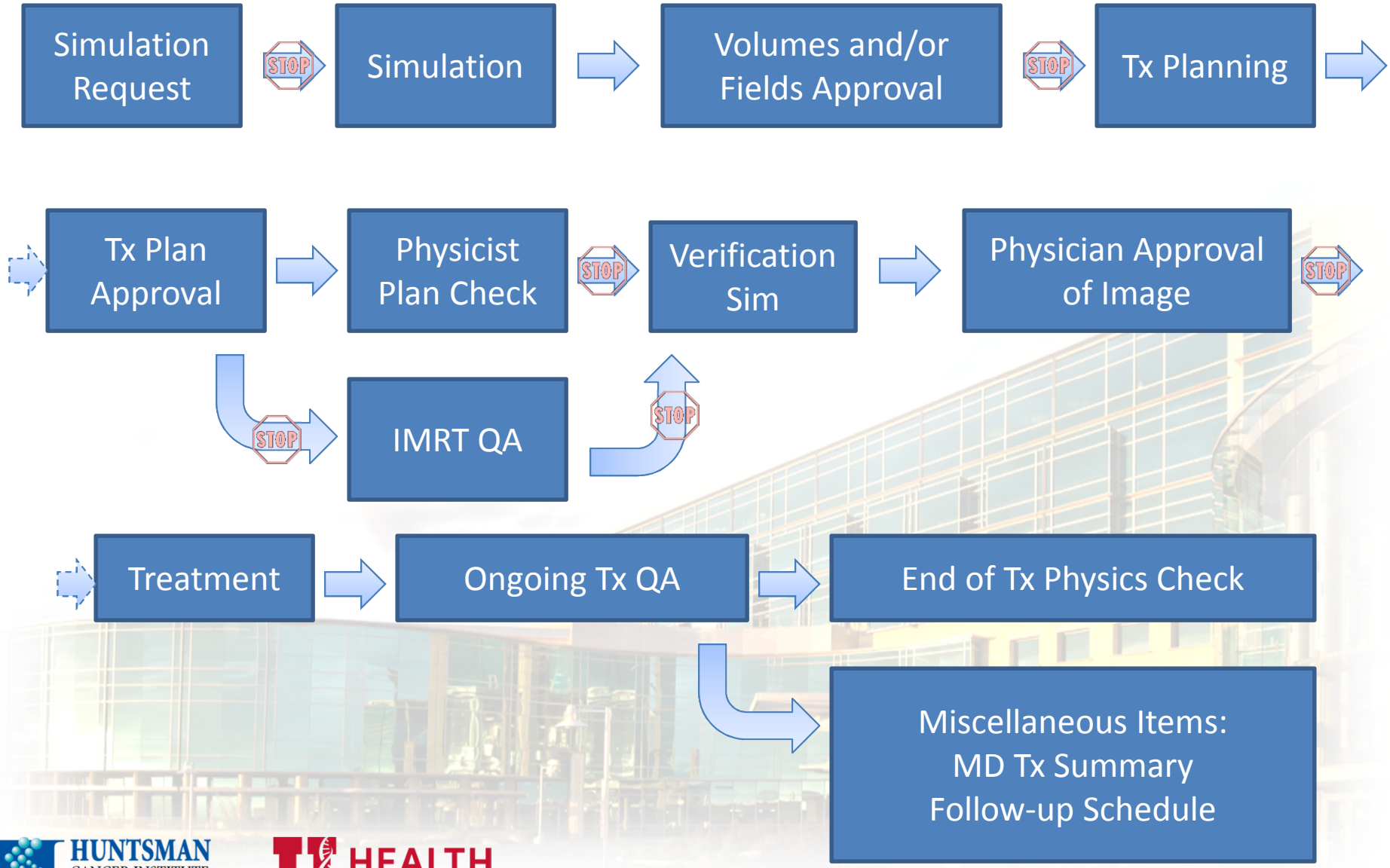
2017 AAPM Annual Meeting

Workflow Example



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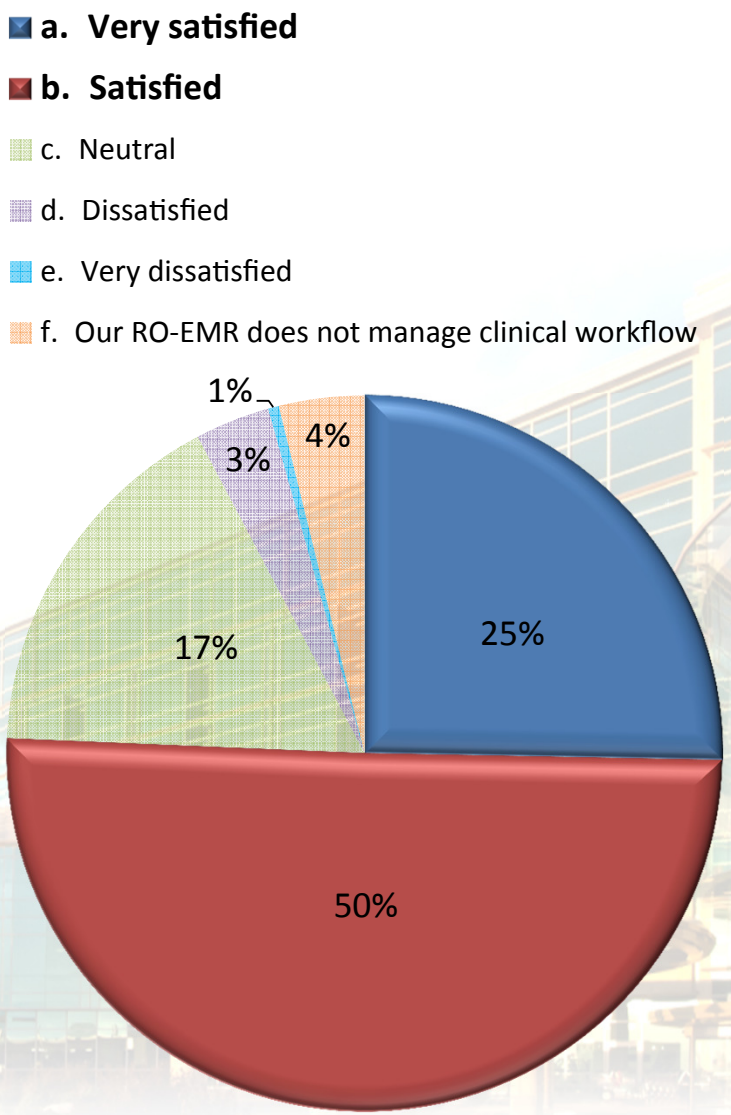
Workflow in RO-EMR

- Record keeping
  - Approved simulation request form
  - Physicist plan check form
  - Portal images
- Task tracker
  - Tx plan approved, pending next task physicist plan check
- Safety catch
  - Treatment prevented without approved prescription

Workflow Question 1

- Overall, how satisfied is your practice with the utility of the RO-EMR environment in management of your clinical workflow?



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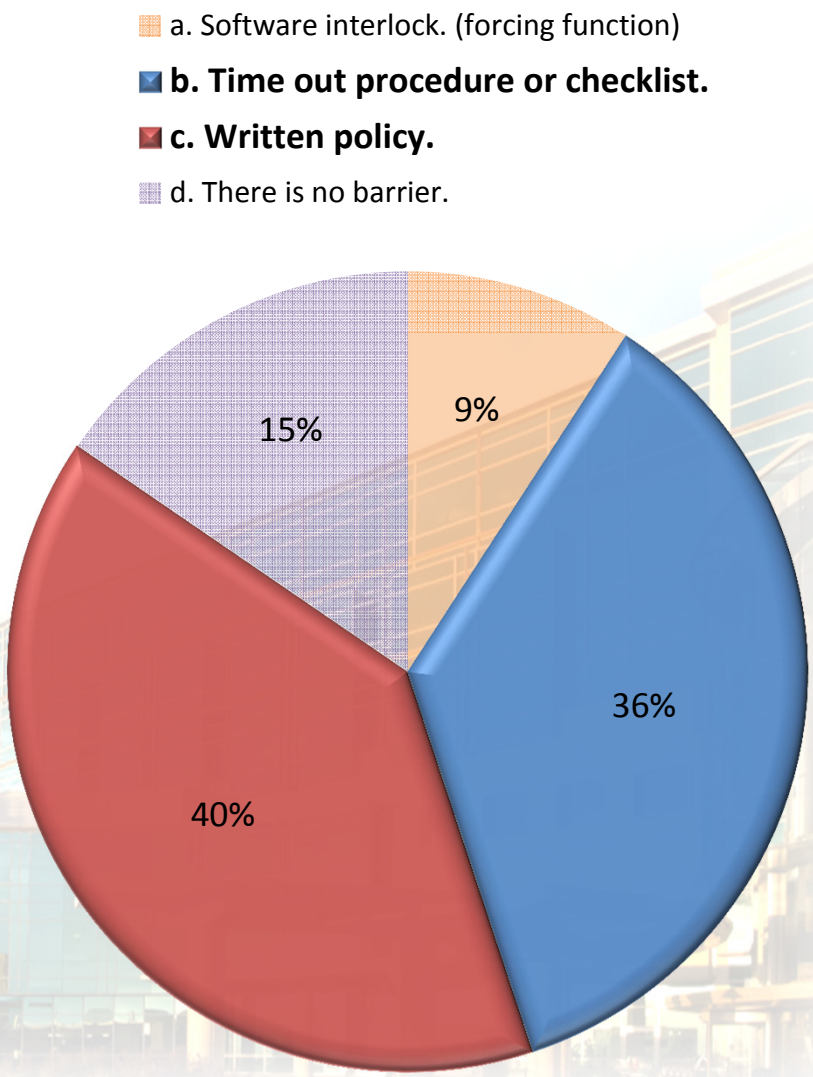
Workflow Question 1

- Factors that seem to contribute to higher workflow management satisfaction:
  - More variety of groups included in the committee.
  - Total number of committee member.
  - Time spent more in software selection, training, and hybrid chart usage length of less or equal to 6 months.

Workflow Question 2

- Which of the following safety barriers prevent proceeding with the simulation without completion of MD's simulation order? Choose the first answer that applies.



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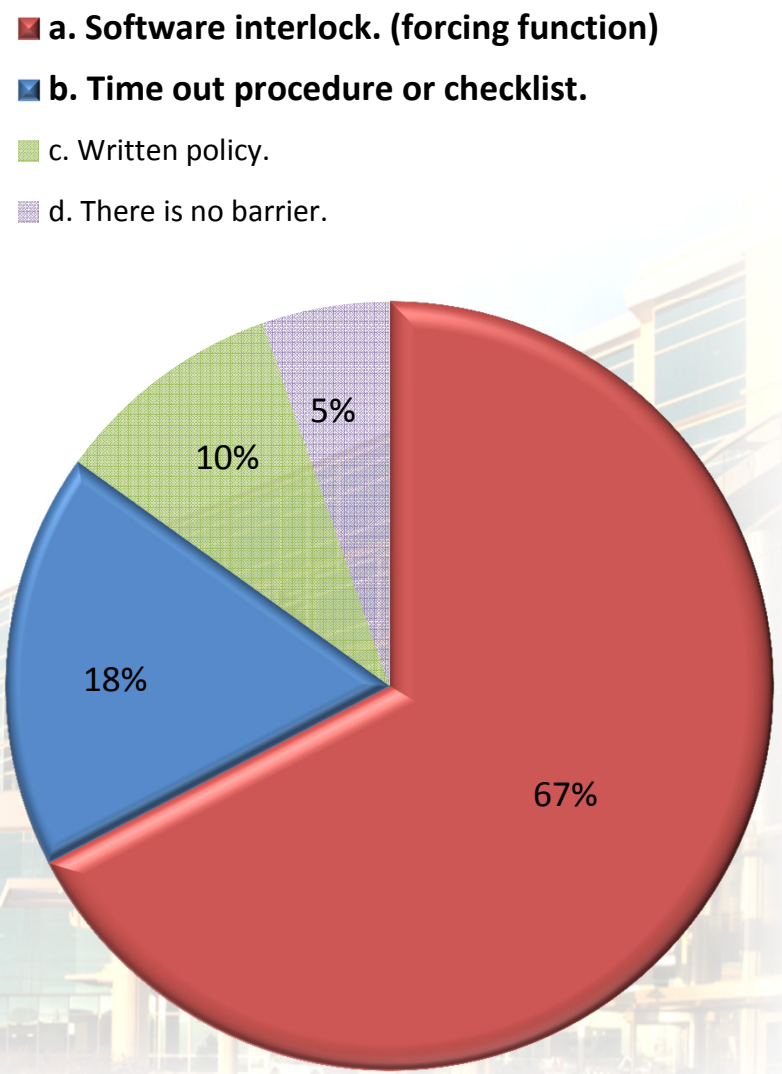
Workflow Question 3

- Which of the following safety barriers in your RO-EMR prevent proceeding with the treatment without final approval by physics? Choose the first answer that applies.



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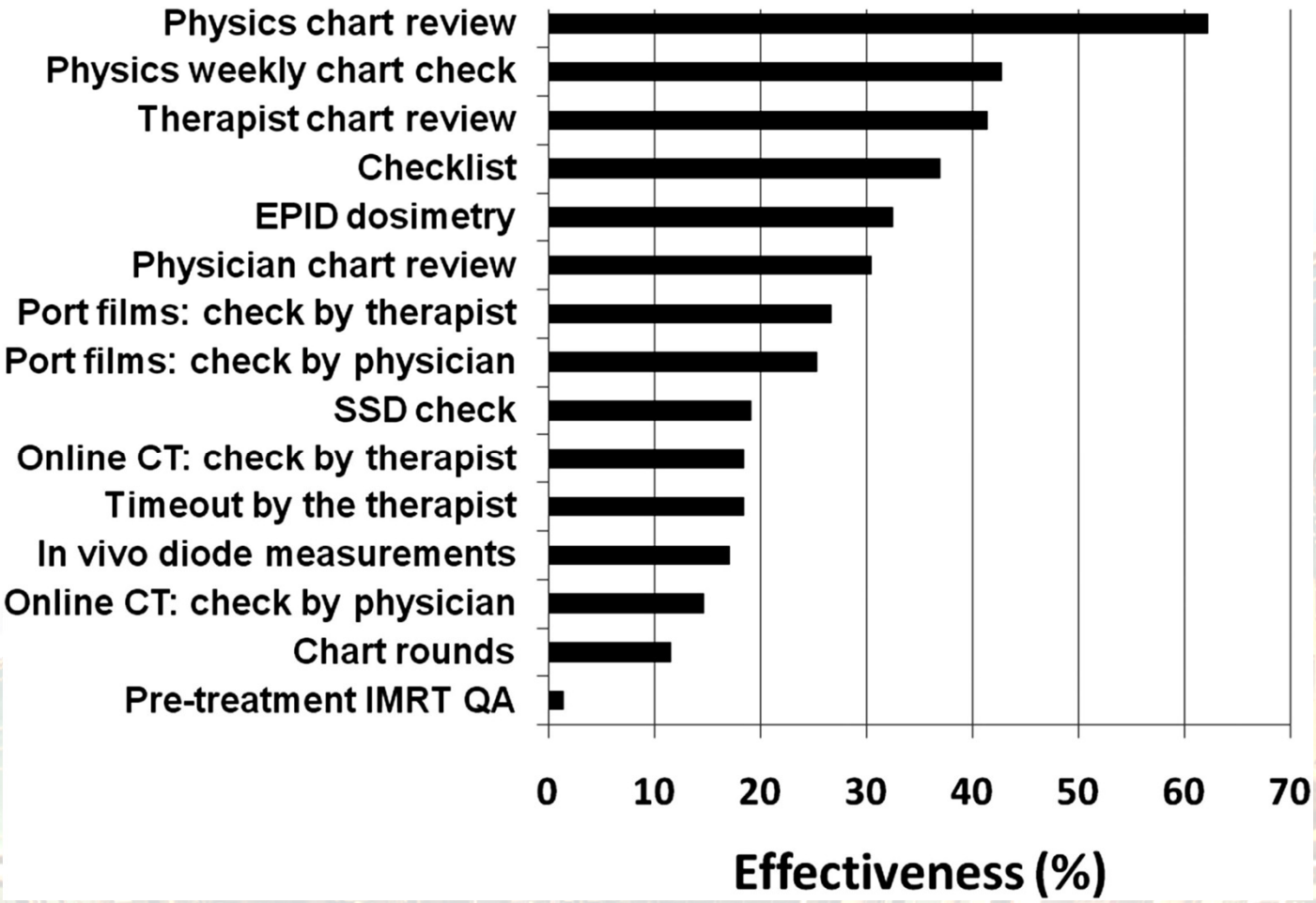
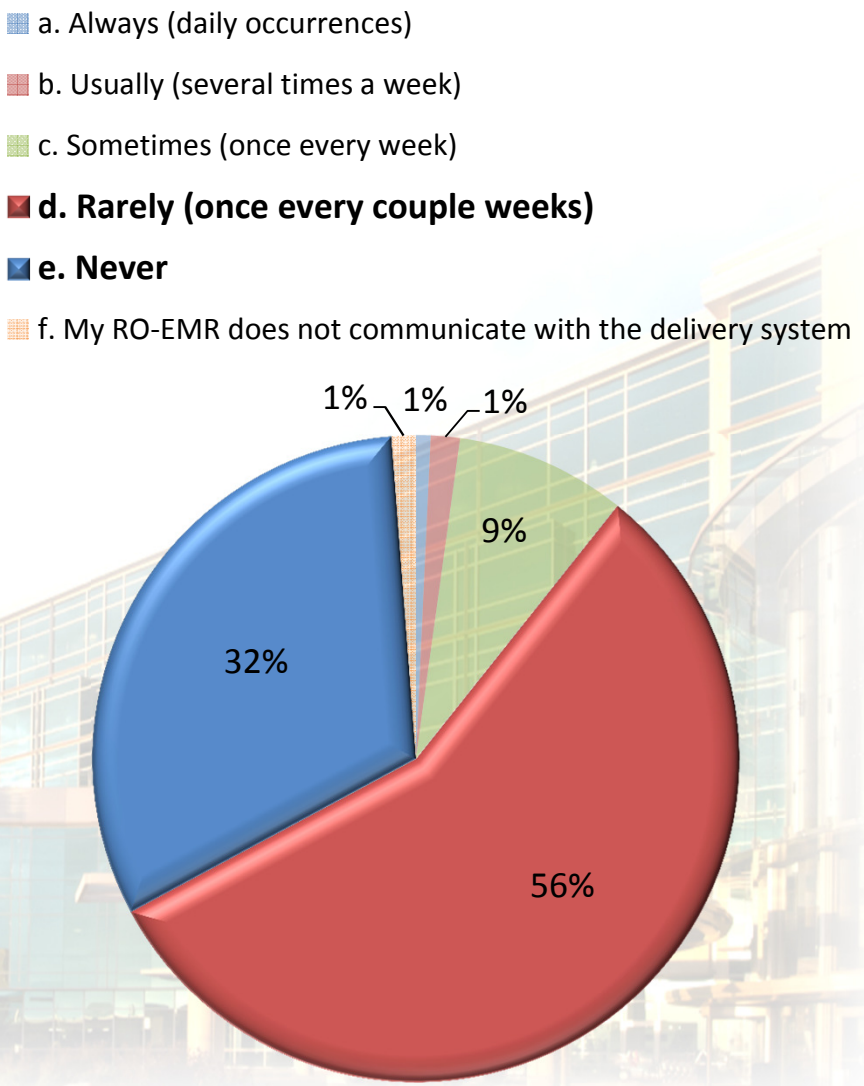
Importance of Physicist Plan Check



Ford, E.C., et al., *Quality Control Quantification (QCQ): A Tool to Measure the Value of Quality Control Checks in Radiation Oncology.* Int J Radiat Oncol Biol Phys, 2012. **84**(3): p. e263-e269.

Workflow Question 4

- How often do you experience <u>failures of communication/transfe-rring of treatment history</u> from your delivery systems back to the e-chart system?



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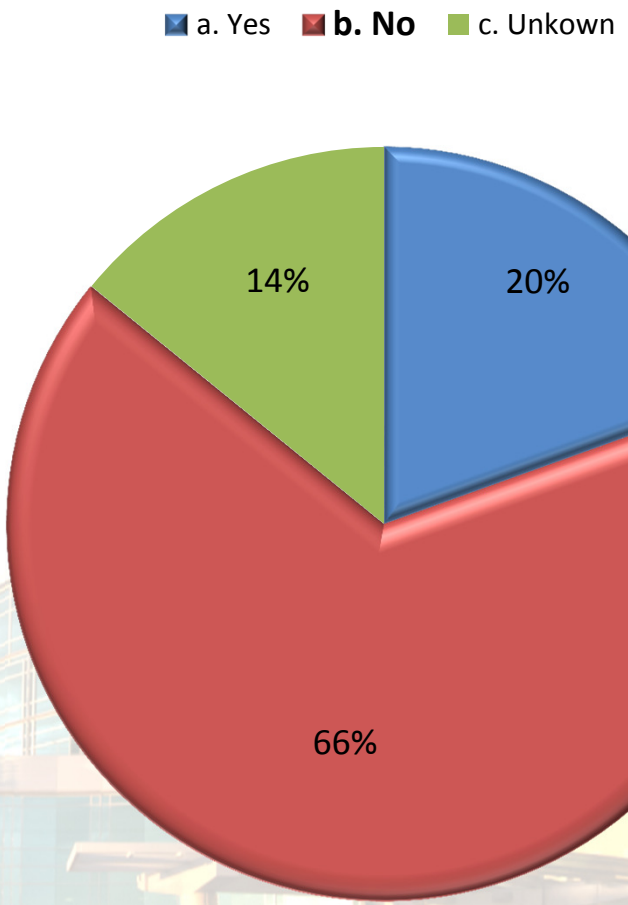
Workflow Question 5

- Have you had **near-misses or deviations** because of <u>failures of communication/transfe-rring of treatment history</u> back to the e-chart system?



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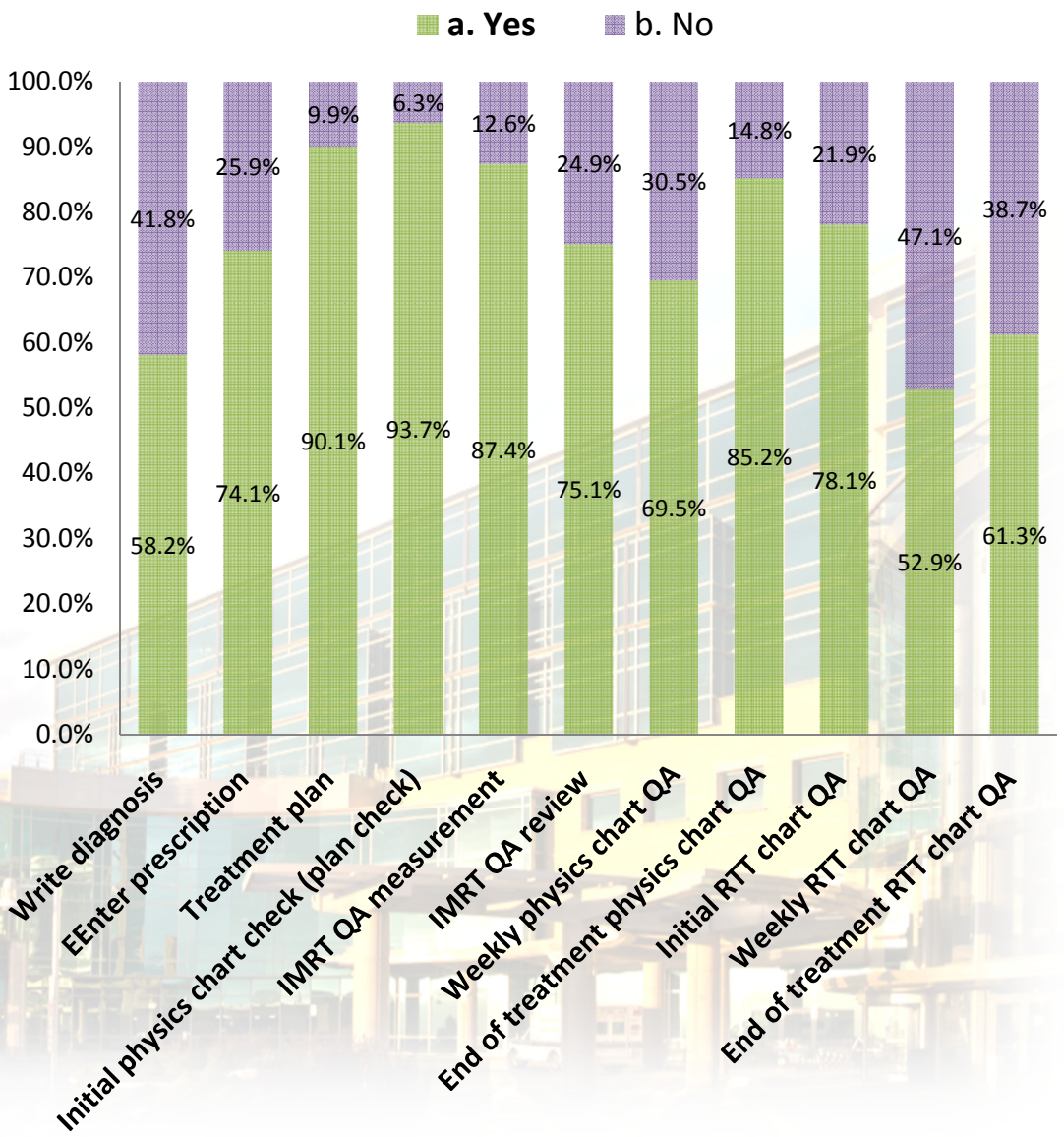
Workflow Question 6

- Do you explicitly schedule and/or manage the following parts of your workflow using the RO-EMR (i.e. via MOSAIQ QCL, ARIA care path, etc)?



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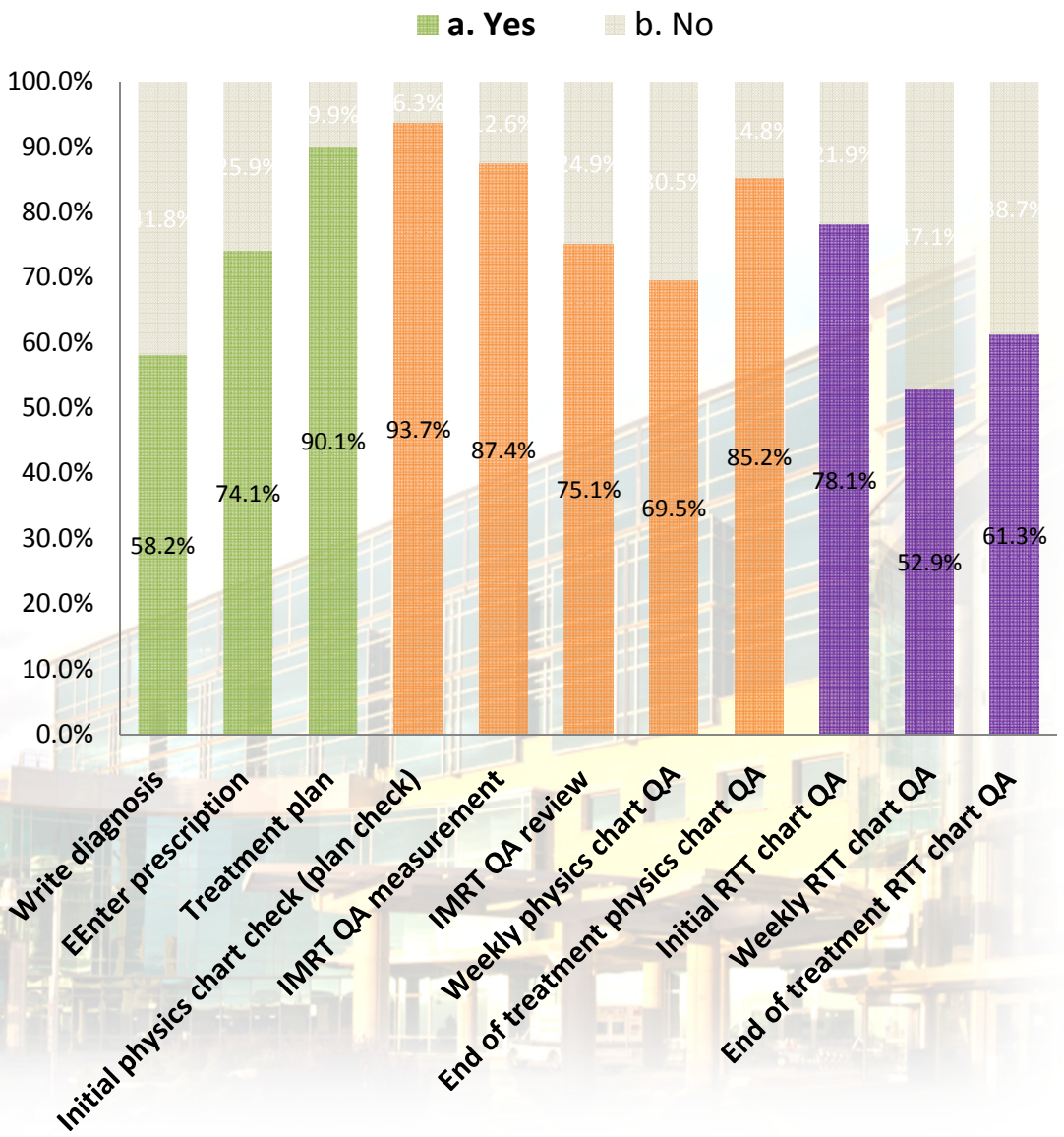

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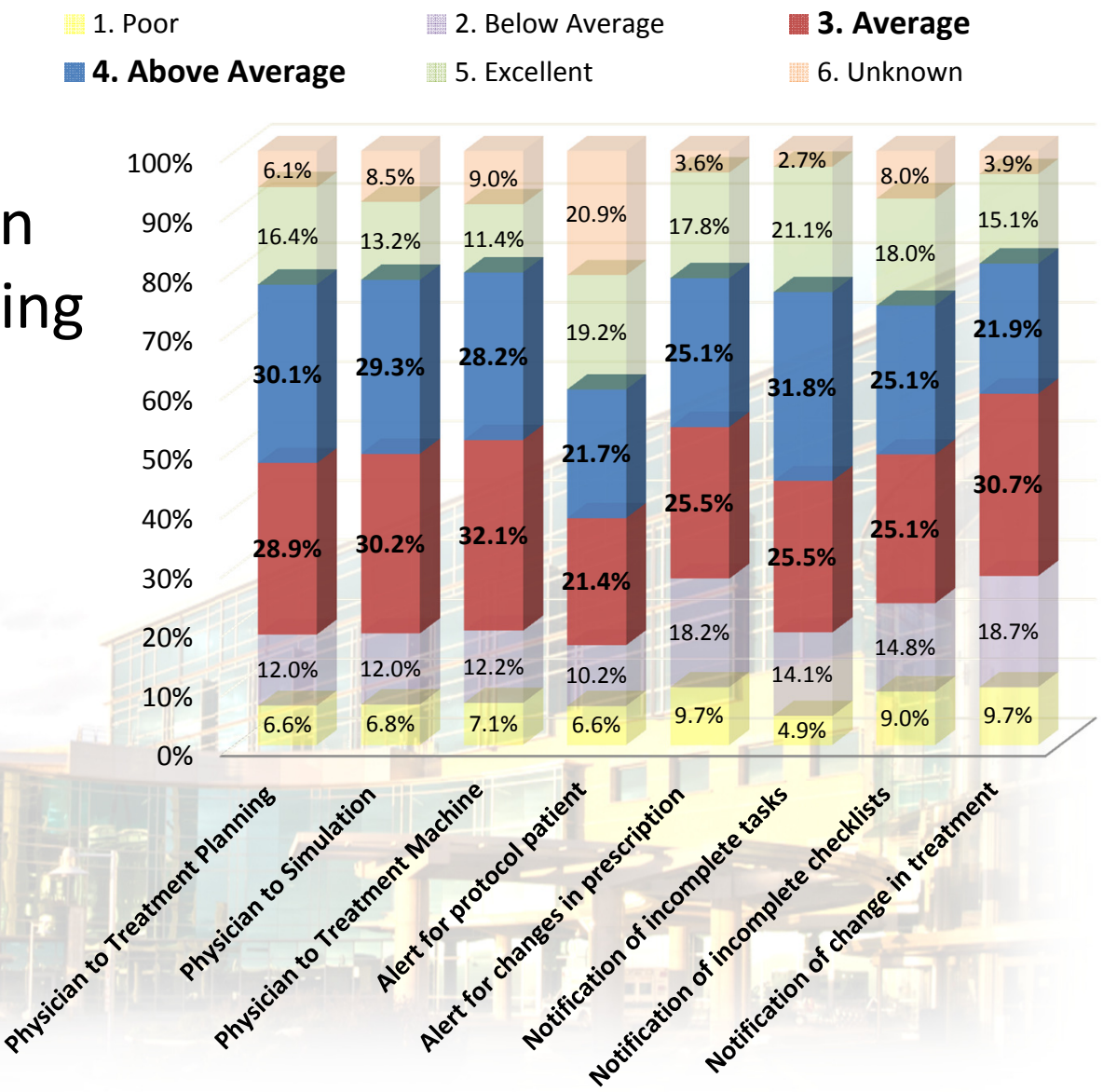
Workflow Question 7

- How well is the communication within the RO-EMR functioning in the contexts given below?



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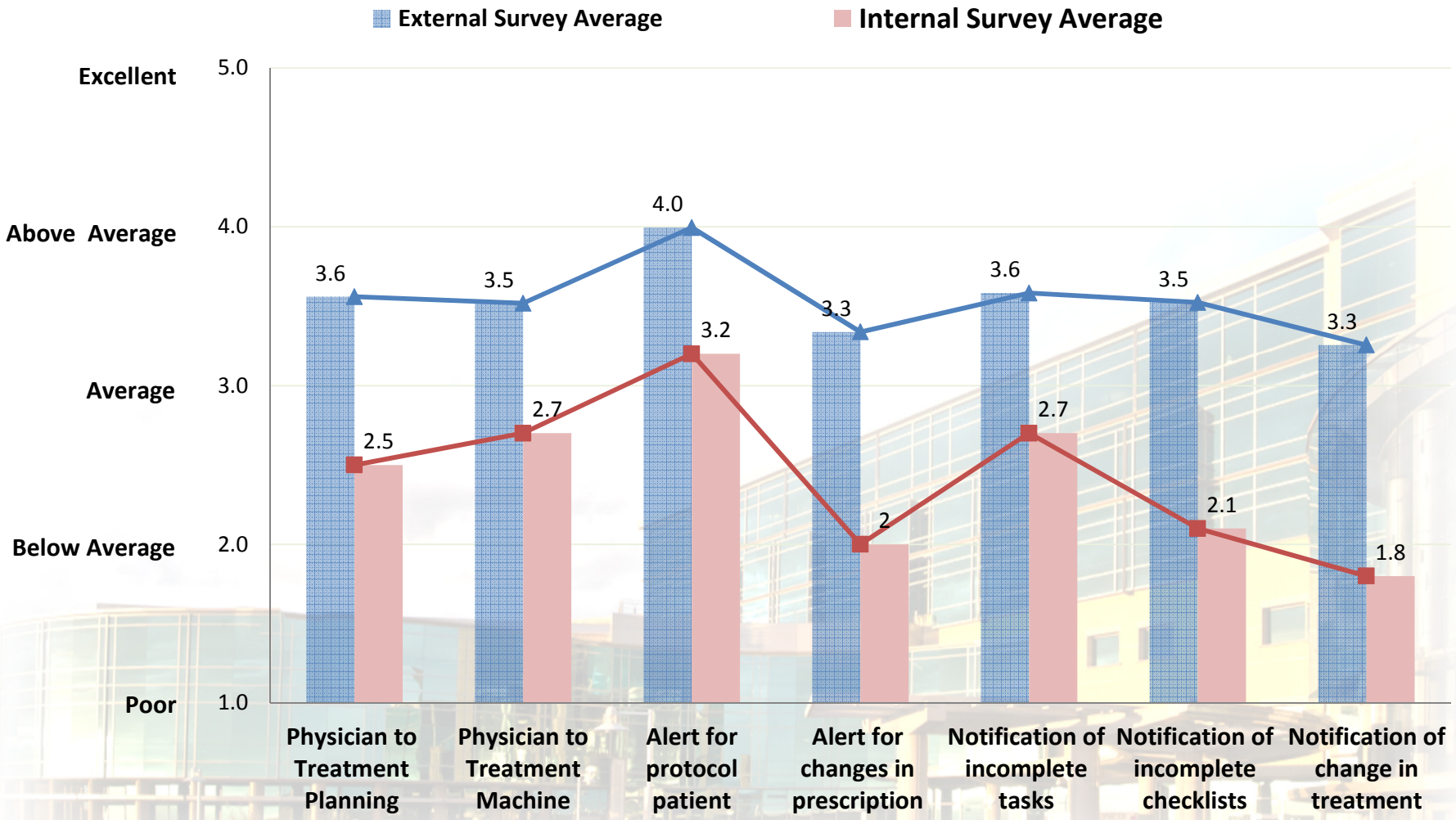
Workflow Question 7



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