

A Multidisciplinary Approach to Enhance Compliance with Care Plan Documentation

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RELEVANCE & SIGNIFICANCE

- The Centers for Medicare & Medicaid (CMS) & other organizations mandate the use of a Nursing Care plan (NCP) that follows professional standards as outlined for the Operating Room (OR) nurse by the Association of Perioperative RNs (AORN) standards.
- Content within the prior system NCP build was not aligned with the newest version of the Perioperative Nursing Data Set (PNDS), limiting standardization.
- End users identified that the prior NCP build was not intuitive and had requested it be redesigned to better align with the workflow.
- Data pulled before the start of this project showed very low compliance with accurate and thorough completion of Intra-op NCPs.

PURPOSE

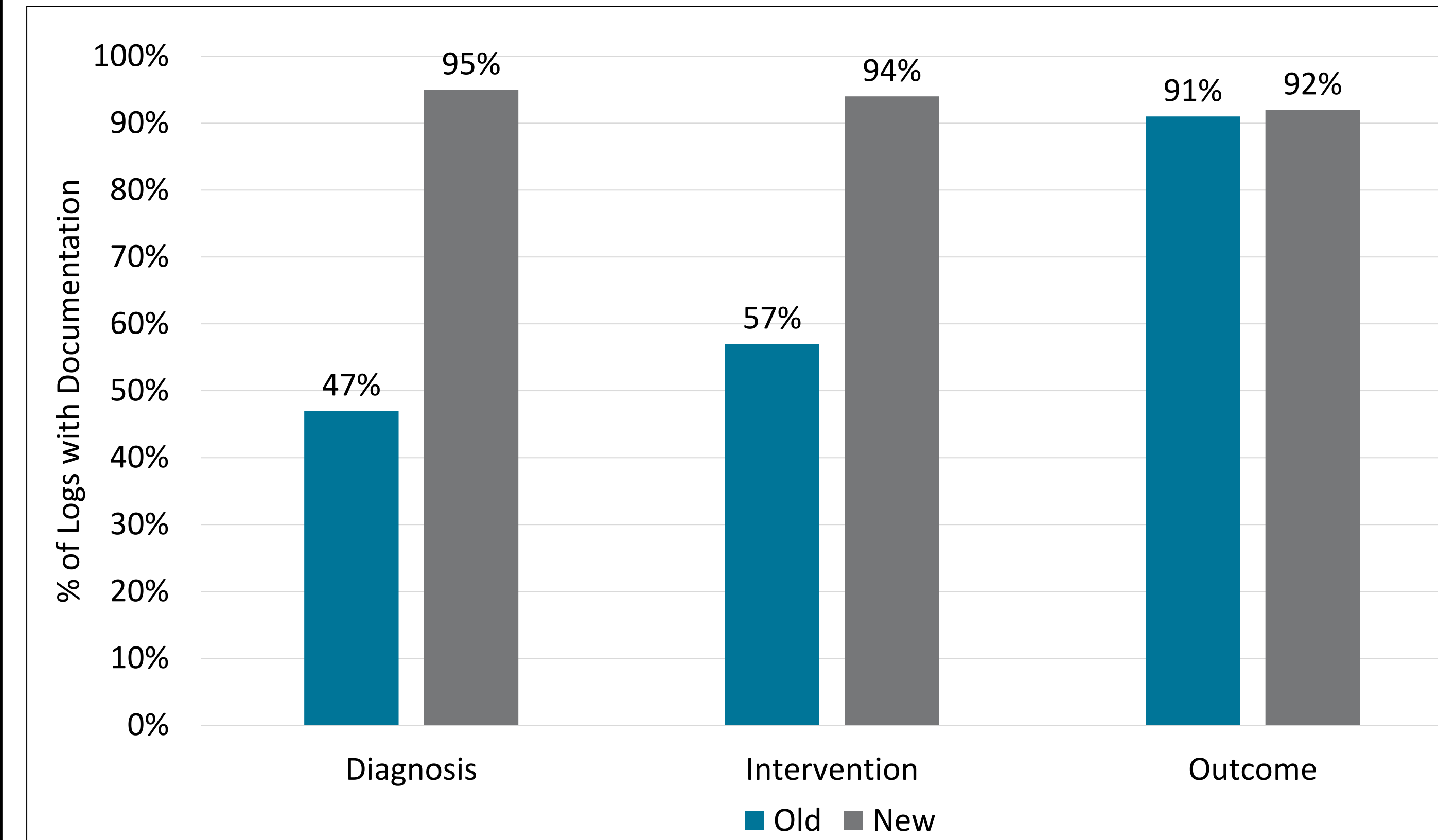
- Partner with Perioperative RNs, Informatics, EPIC, and AORN Syntegrity to redesign the Intra-op NCP tool.
 - Update to the latest AORN Syntegrity content.
 - Meet an organizational mandate to optimize and streamline nursing workflows.
 - Enhance NCP usability to increase accuracy and completion.

STRATEGY & IMPLEMENTATION

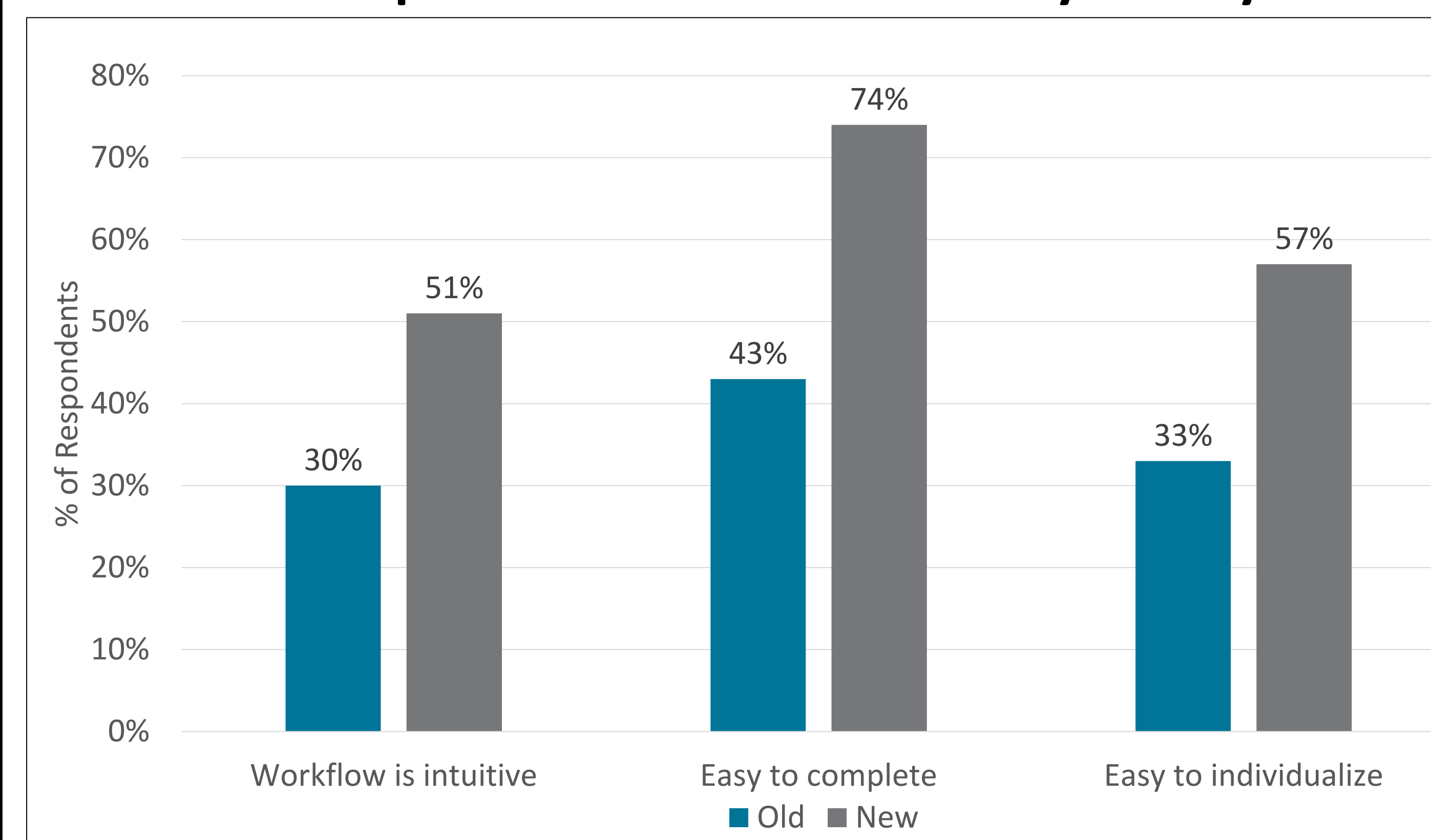
- UMMS Informatics and clinical team members worked with AORN Syntegrity and Epic to rebuild the care plan using the latest AORN Syntegrity content.
- Formal training plan was developed and implemented.
- Multi-facility “Big Bang” Go-Live (16 locations)
- Post-go live edits requested and implemented.
- Pre- and post-implementation care plan completion, staff survey, workflow, and usability data collection to assess impact.

EVALUATION & OUTCOMES

Pre- & Post-Implementation NCP Completion:



Pre- & Post-Implementation NCP Usability Survey:



Epic Workflow Analyzer Data:

| Old Care Plan Activity | | | New Care Plan Activity | | |
|----------------------------------|------|-------------------------|----------------------------------|------|-------------------------|
| 70.0 Calculated Task Duration | 42.9 | Mouse | 42.6 Calculated Task Duration | 33.0 | Mouse |
| | 7.3 | Keyboard | | 2.8 | Keyboard |
| | 19.8 | Transitions | | 6.8 | Transitions |
| 12 Transitions | 5 | Screen Changes | 2 Transitions | 2 | Screen Changes |
| | 12 | Mouse-Keyboard Switches | | 2 | Mouse-Keyboard Switches |
| 88 Actions | 61 | Keypresses | 42 Actions | 23 | Keypresses |
| | 27 | Clicks | | 19 | Clicks |

DISCUSSION

- Updating to current AORN Syntegrity content facilitated:
 - significant improvement in consistent Diagnosis, Intervention, and Outcome documentation,
 - redesigned workflows that were more intuitive, resulting in a 40% reduction in time spent documenting NCPs, thus meeting the organizational mandate of decreased burden, and
 - the creation of individualized NCPs.
- The AORN Syntegrity content for NCPs is laid out in a manner that is flexible and usable for any electronic medical record.
- Epic is making this build available via a Turbo Charger package for customers subscribing to AORN Syntegrity.

NEXT STEPS

- Implement redesigned AORN Syntegrity Care Plan in Preoperative and Post Anesthesia Care areas to create an evidenced based holistic periop care plan.

REFERENCES



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