As California's caseload has continued to increase exponentially, previous years' expectations have been surpassed. Visual editing is defined in the state of California as a text to code quality control review of an admission's history.

**OBJECTIVE**

- Developed:
- Implemented:
- Developed:
- Developed:
- Developed:
- Developed:
- Developed:
- Developed:
- Developed:
- Developed:
- Implemented:

**BACKGROUND**

Visual editing is defined in the state of California as a text to code quality control review of an admission's history. The driving force for the California Cancer Reporting and Epidemiologic Surveillance (CaCARES) Program is to implement complex automation logic to improve data quality. This automation logic has the potential to reduce the burden of manual visual editing.

**METHODOLOGY**

The manual visual editing process is greatly affected by grey areas in interpreting standards. This leads to potential inconsistencies amongst Certified Tumor Registrars (CTRs) performing the task. Each piece identified above is a work in progress and through analysis will be expanded. The goal is to develop Source Logic and Multi-Document Consolidation logic for each NAACCR field in the record layout. The TJM edits implemented as part of the 2016 Data Item Changes will be the next focus for the Edits to Auto-Change rules. The Tumor Linkage rules will also be expanded with introduction of the 2017 SEER Multiple Primaries and Histology Rules. All of this work will be expanded to cover an intensive analysis process, which includes vetting by research staff to ensure results of logic run on each admission uploaded into Eureka, which was a total of 268,459 in 2015. 23% of uploaded Admissions were auto-corrected with the Source Logic.

**CONCLUSION**

Automation logic is able to run on 100% of Admissions uploaded into Eureka, compared to the 5% of Visual Editing performed, which shows the advantage of automation in quality control activities. The current business practice is missing the focus of adapting current manual work activities to meet future needs. Manual quality control efforts need to be advanced and adapted to meet where the field is going. Instead of targeting a small percentage of cases on upload, the task can be moved to an auditing process after completion. This transition allows for those performing quality control reviews to not only increase their analytic skillset, but also perform a focused analysis of current standards and data quality in Eureka. Extensive analysis of current standards and data quality in Eureka will be enhanced to allow for detailed review.