

RADAR

Inspired by research.
Driven by compassion.

Inspiré par la recherche.
Guidé par la compassion.

THE OTTAWA HOSPITAL RADIOLOGIST ACTIVITY Reporting Metric for PRODUCTIVITY ASSESSMENT

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 - ▶ No disclosures



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PURPOSE

- ▶ To describe the Ottawa RADiologist Activity Reporting Score (RADAR), a versatile single metric of Radiologist productivity.
- ▶ To test two hypotheses:

Hypothesis 1: The implementation of RADAR increased overall radiologist productivity.

Hypothesis 2: Productivity change was not different between three groups of radiologists: higher productivity, middle productivity, and lower productivity groups.



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MATERIALS AND METHODS:

- ▶ RADAR is a points system that quantitatively tracks clinical and non-clinical academic productivity.
- ▶ Some examples of included nonclinical activities include Resident Teaching Rounds, Multidisciplinary Rounds and protocolling.
- ▶ Radiologists receive weekly productivity reports.



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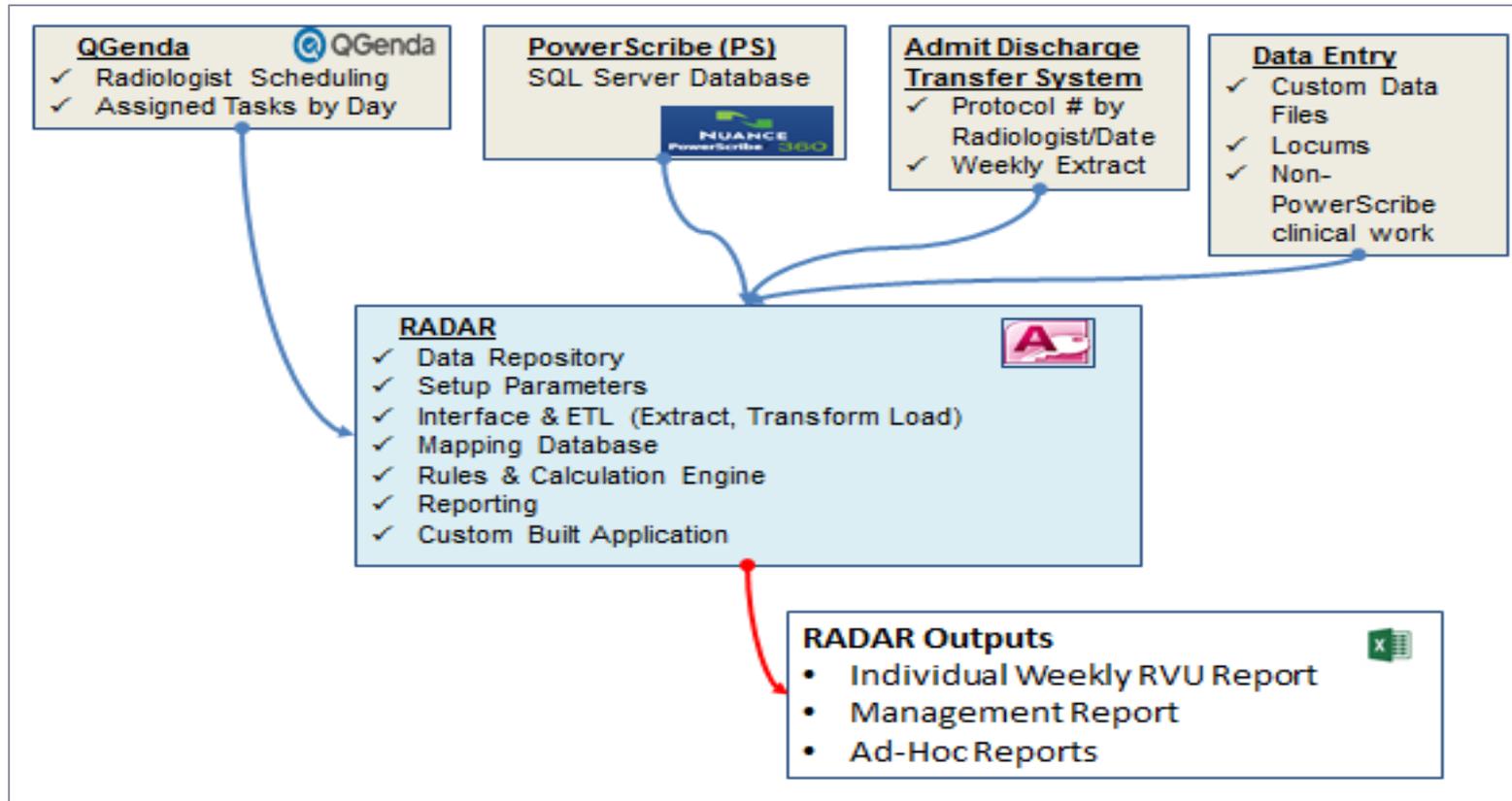
MATERIALS AND METHODS

- ▶ This study was approved by the Institutional Research Ethics Board.
- ▶ Data between January 1, 2013 and October 31, 2016 from approximately 58 radiologists at the University Of Ottawa Faculty Of Medicine, Department of Radiology was analyzed
- ▶ We analyzed the impact of RADAR on productivity over time and stratified results by 3 productivity groups (upper, middle and lower productivity). The 3 productivity groups were established based on their RADAR scores at the beginning of the study period.



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RADAR INFRASTRUCTURE

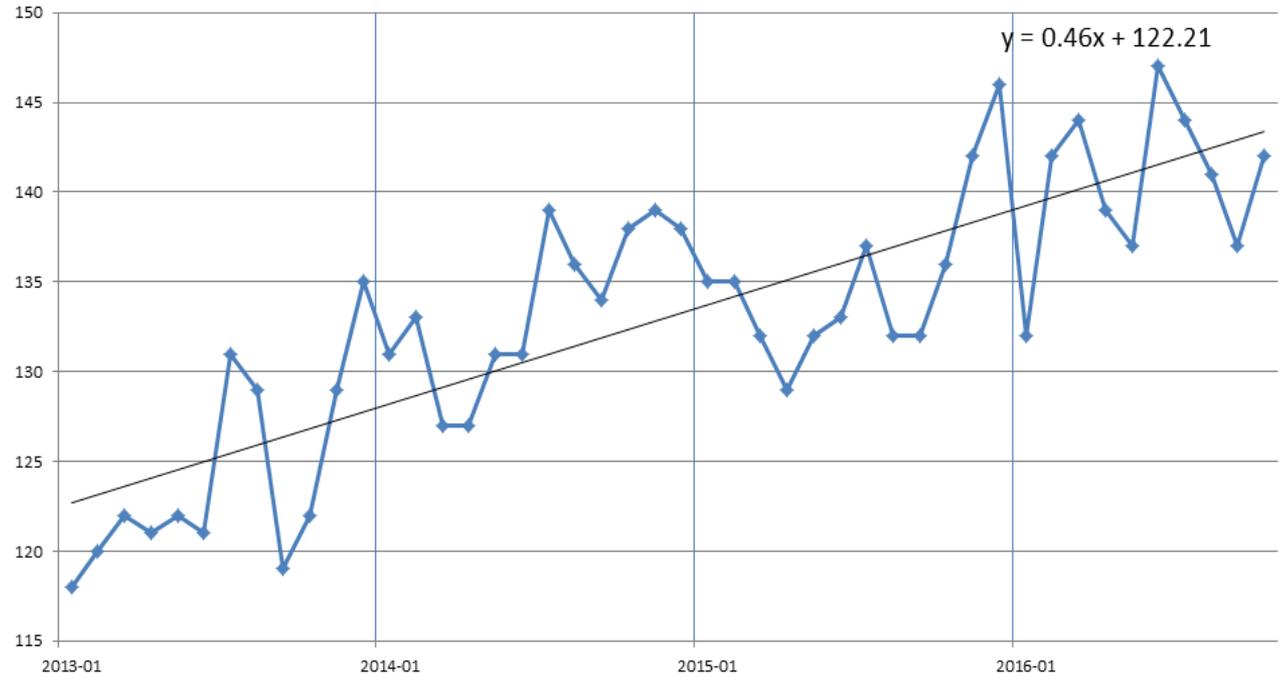




RESULTS

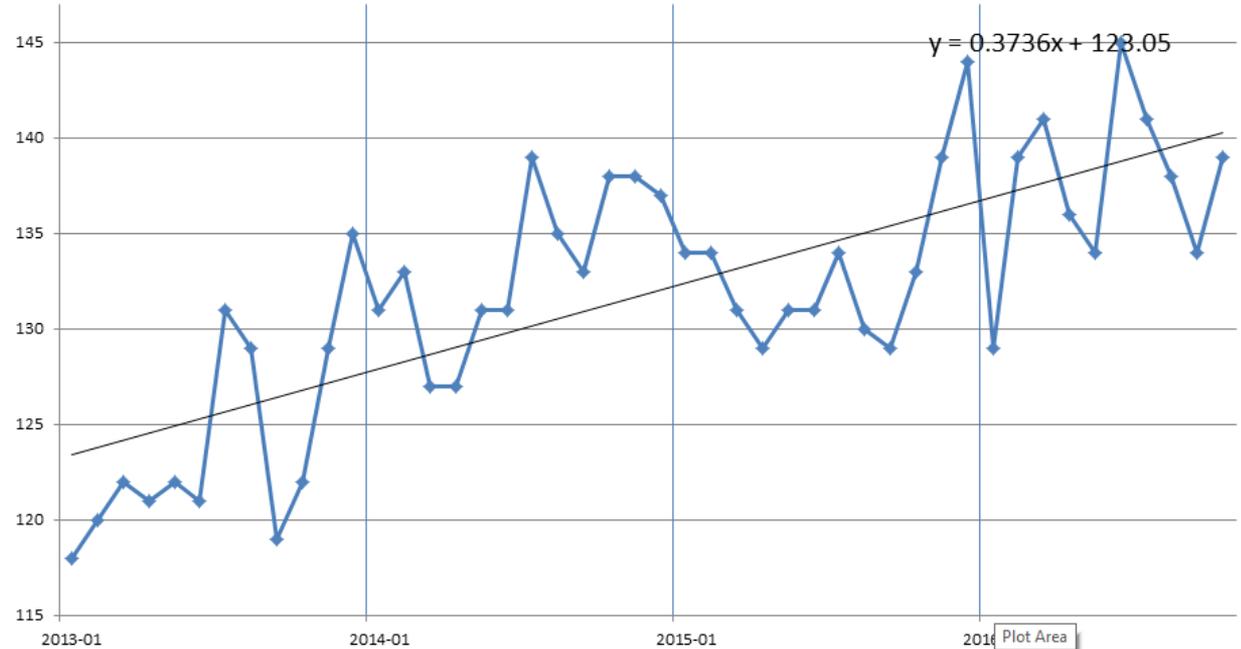
TOTAL RADAR POINTS OVER TIME FOR ALL RADIOLOGISTS

Average productivity increased after implementing RADAR



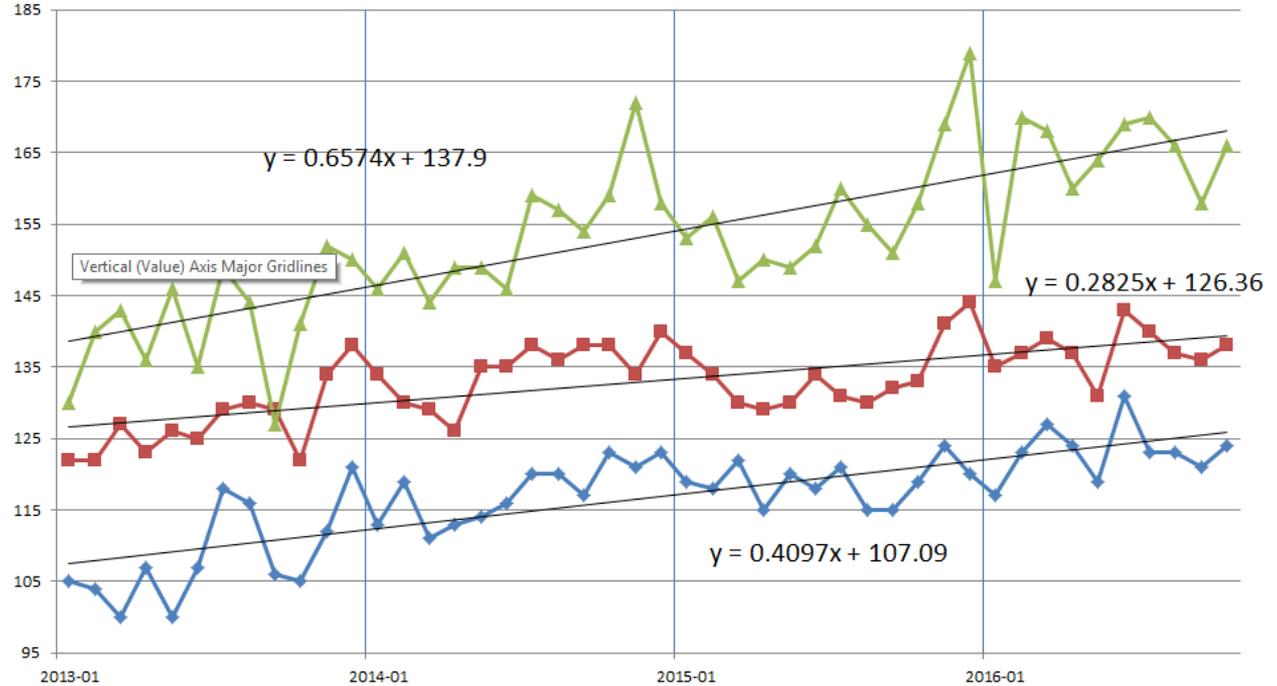
TOTAL RADAR POINTS OVER TIME FOR ALL RADIOLOGISTS FOR CLINICAL PRODUCTIVITY ALONE

Average
clinical
productivity
increased
after
implementing
RADAR



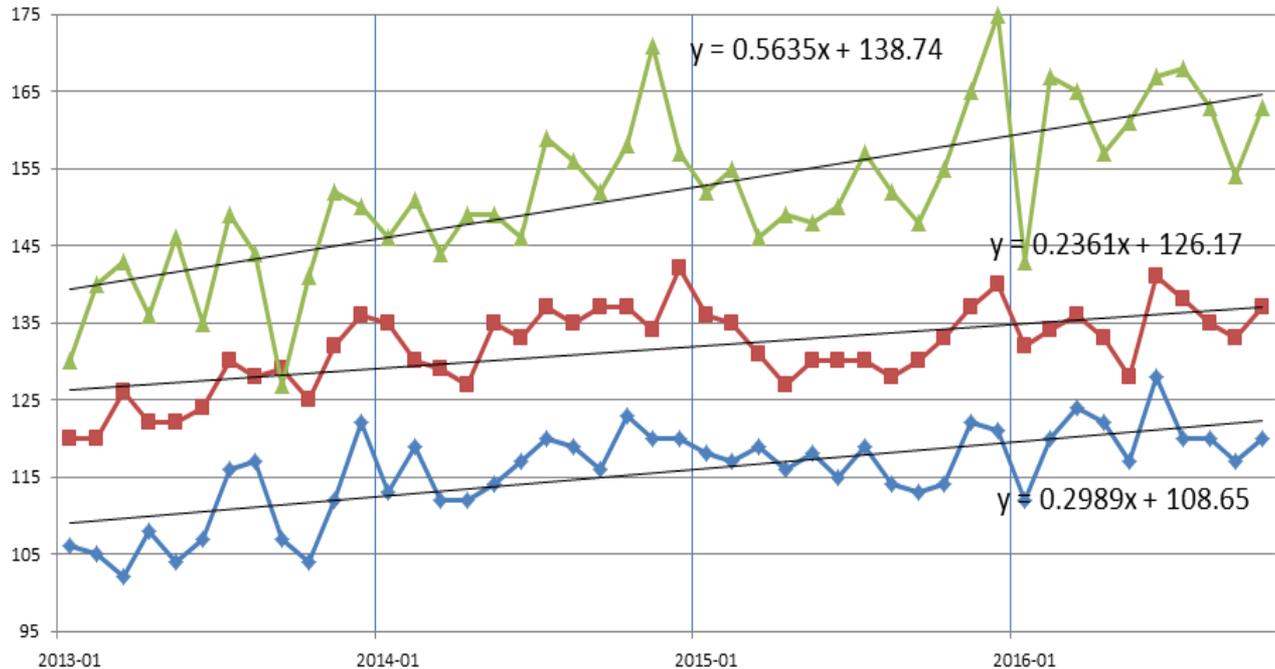
RADAR POINTS OVER TIME FOR UPPER, MIDDLE AND LOWER PRODUCTIVITY GROUPS

Average productivity increased in all productivity groups (i.e. the most and least productive), after implementing RADAR



RADAR POINTS FOR CLINICAL PRODUCTIVITY ALONE OVER TIME FOR UPPER, MIDDLE AND LOWER PRODUCTIVITY GROUPS

Average clinical productivity increased in all productivity groups (ie the most and least productive), after implementing RADAR



RESULTS:

- ▶ Productivity increased over the study period.
- ▶ The average RADAR score increased from a daily mean of 115 to 138 points, or an increased productivity of approximately 20%.
- ▶ When the upper, middle and lower productivity groups were considered separately for total RADAR points, there were similar increases in productivity for all three groups. The upper, middle and lower groups increased by approximately 17%, 18% and 20 % respectively.



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CONCLUSIONS

RADAR provides a relatively comprehensive single metric for Radiologist productivity that can be adapted to individual departments.

Our study showed that this system resulted in increased Radiologist productivity.



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