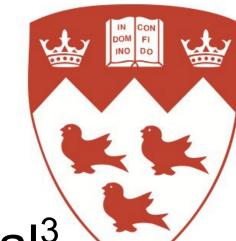


Realistic knowledge-based waiting times for radiotherapy patients —addressing the pain of waiting



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OVERVIEW

To provide radiotherapy patients with realistic waiting time predictions, our multidisciplinary team has developed:

(a) a waiting time prediction algorithm,
(b) a waiting room management system, and
(c) a mobile phone app and web portal.

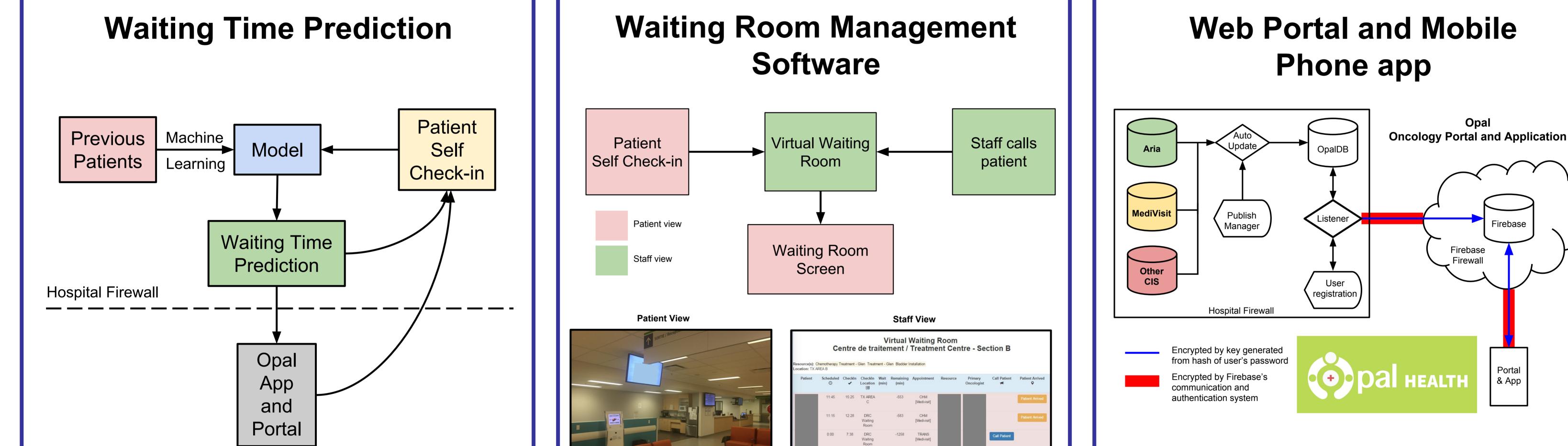
WAIT TIMES IN RADIATION ONCOLOGY

In Radiation Oncology, the following wait times are encountered:

- 1. Treatment planning delay (days to weeks, at home)
- Wait for appointment with clinician (minutes to hours, in the waiting room)
- 3. Wait for treatment (minutes to hours, in the

waiting room)

INFRASTRUCTURE



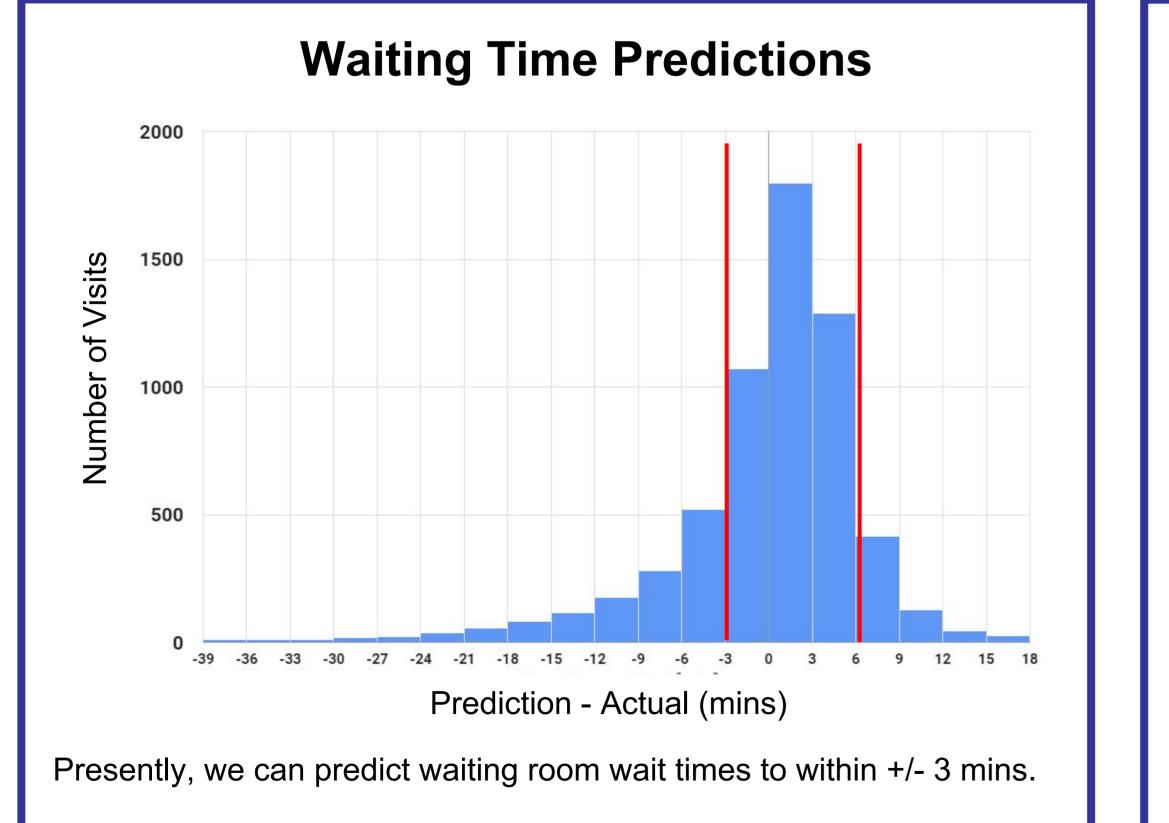
New patients are compared to previous similar patients in order to predict their waiting times.

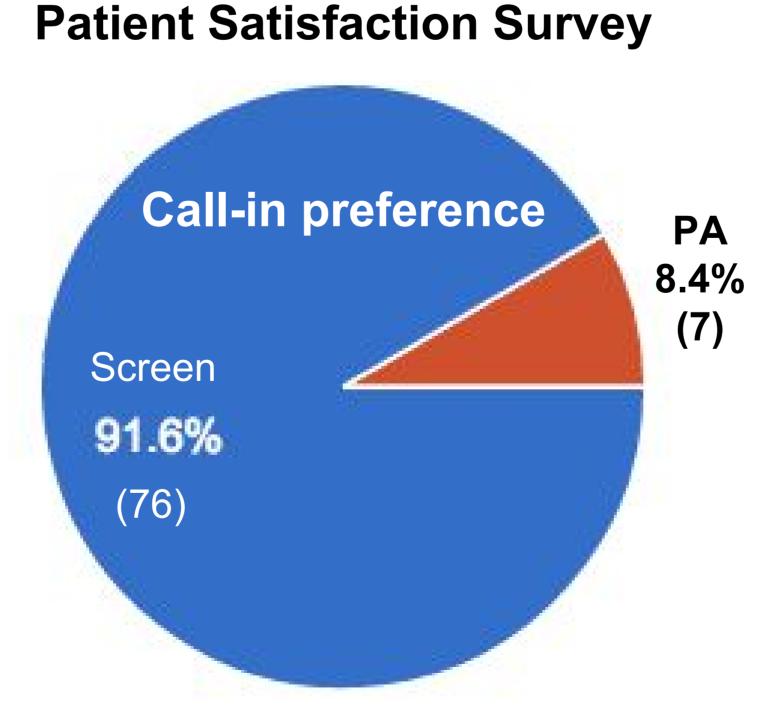


The waiting room management system comprises kiosks and screens in the waiting rooms and virtual waiting rooms for staff.

A mobile phone app and portal are used to communicate securely with patients. Patients can check in using the app and access their appointments, electronic medical records, PRO questionnaires and just-in-time personalised educational material.

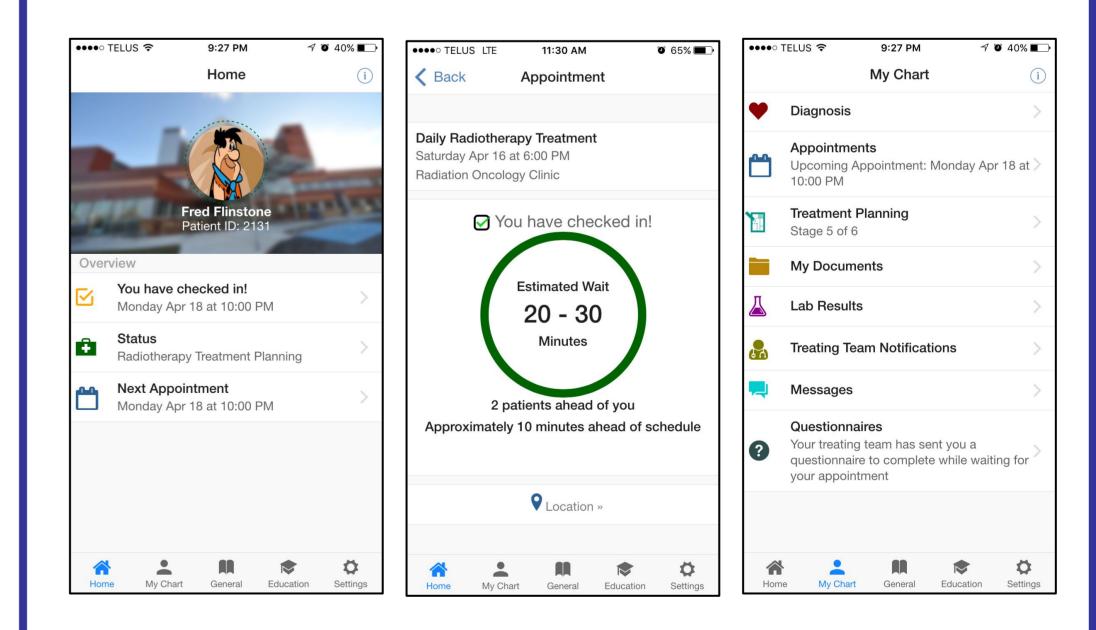
RESULTS





In a survey of patients (n=83), the vast majority of respondents prefer the screen call in system over the public announcement system.





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ACKNOWLEDGMENTS

We can predict waiting times and communicate them to patients via a waiting room management system and a mobile phone app that we have developed.



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