

# Closing the loop on test results

In the emergency department (ED), misinterpretation or postponed communication of x-ray and other imaging findings can lead to incorrect or delayed treatment, missed diagnoses and negative patient outcomes. We tested if an app — **myBeepr** — improved communication of critical information between the ED and radiology.



## THE STUDY

Radiologists and ED consultants followed the process outlined below for all adult CT scans requested by the ED.



### We examined:



myBeepr data (e.g. read time)



Clinicians' perceived confidence that test results were received and appropriately actioned



Clinicians' perceived usefulness of the app



Medical record data (e.g. length of stay)

## THE NUMBERS

**59** seconds median time between message send and read

**39** messages sent

**9.2%** eligible cases used myBeepr (239 sample size)

No significant differences in medical record data.

## THE RESULTS



myBeepr was great for time-saving and passing on critical information quickly



Radiologists viewed the app as extremely useful for improving communication.



For ED clinicians, there was a decrease in perceived confidence and the app was not viewed as useful for communication. **Further testing is needed to identify an approach that is effective and feasible in practice.**