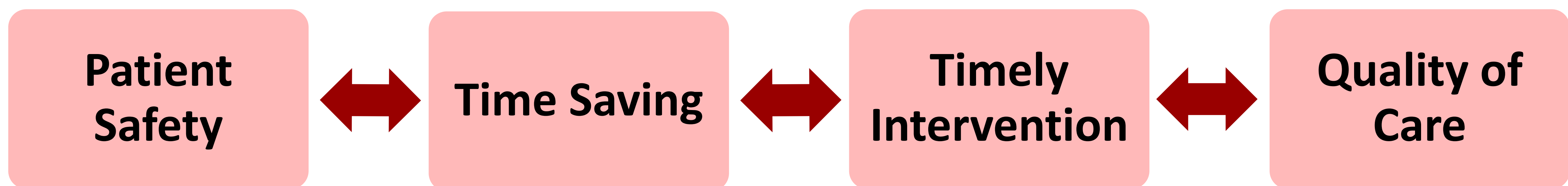


# Improve Patient Care through Physiological Monitoring

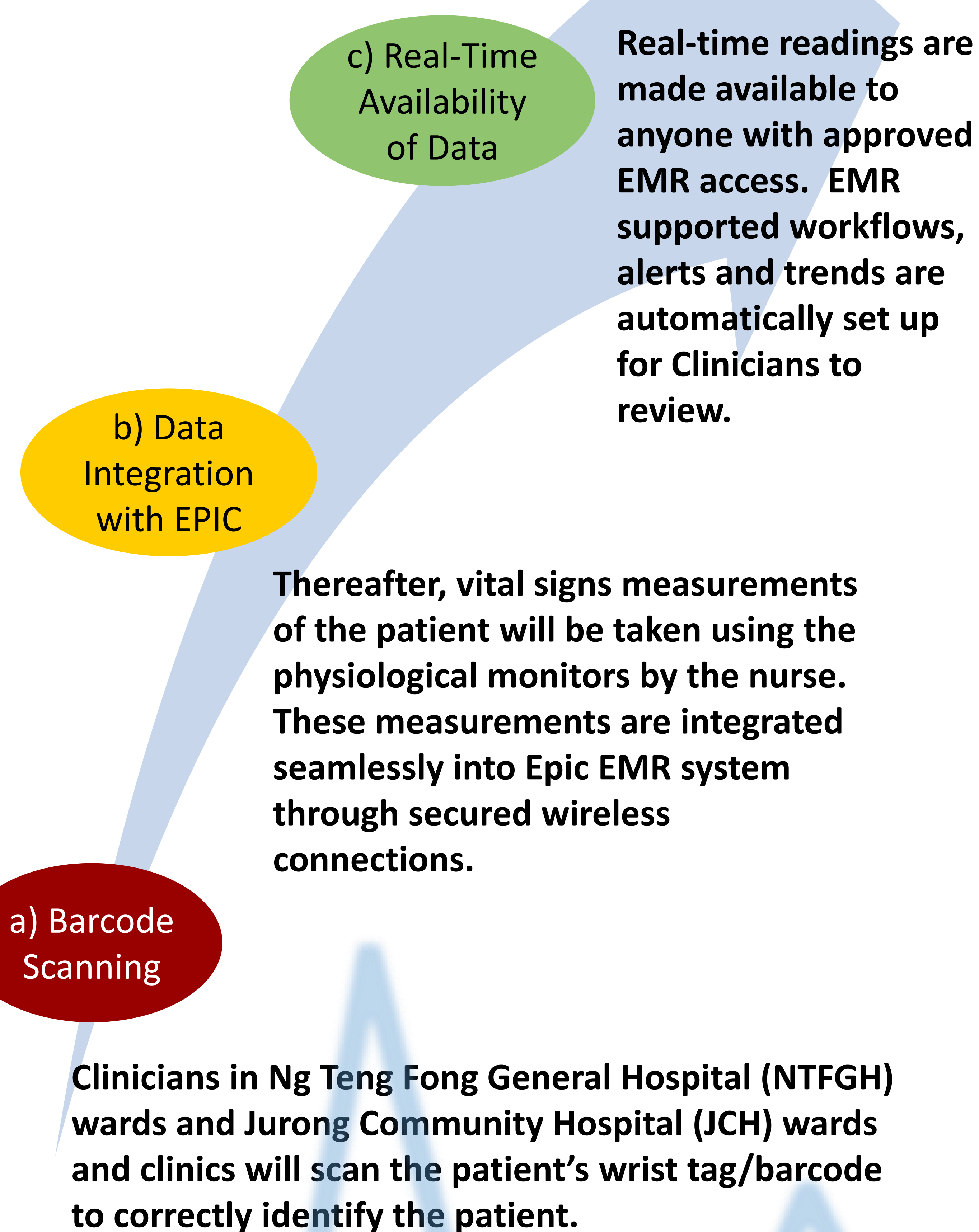
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Jurong Health Services

## Introduction

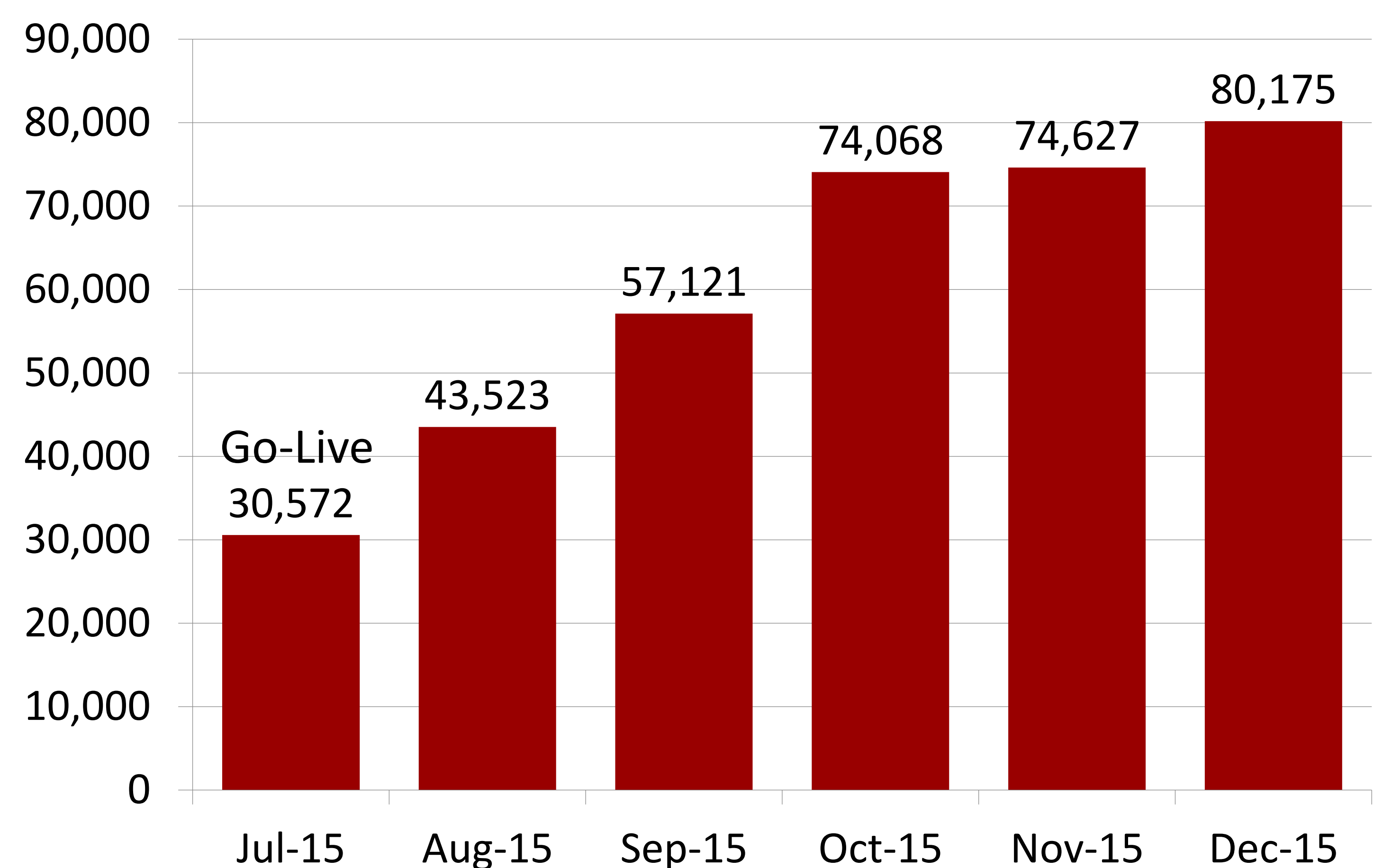
- **Importance:** Vital signs measurement is one of the basic indicators of patients' condition in the hospital; Accurate and timely documentation of vital signs is essential for clinical assessment of the patients.
- **Issue:** Previously, vital signs were either manually recorded on paper or manually entered into the Electronic Medical Record (EMR) system. This can be time consuming and may give rise to problems such as incomplete documentation or late entry, illegible recording and/ or misidentification of patient.
- **Aim:** In JurongHealth, vital signs documentation is automated, ensuring patient safety through timely and accurate documentation, thus improving the quality of care for patients. Timely intervention would be driven via automatic alerts and reminders for parameters out of normal limits.



## Methodology



## Findings



Data from Jul 2015 until Dec 2015

Total sets of device integrated vital signs	Total time saved* (mins)	Time saved* per month
360,086 readings	720,172	120,028 minutes (2,000 hours)

### Benefits:

- Increased efficiency – eliminate need for manual charting
- 2000 hours saved\* per month
- Real-time alerts for vitals outside of normal range
- Accurate charting through bar-code checks

\*Assuming 2 minutes (manual process of charting data in paper forms) were saved for each set of vital signs