

# Pick Lists In Practice: Impact of Surgeon-Specific vs System-Generated Pick Lists on Intra-operative Times

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## WHAT WE LEARNED

- Pick list (regardless of type) negatively affected surgical operative times by increasing number of delays as well as delay minutes. Along with the patient safety benefit, there could also be a unit and organizational cost improvement from the savings incurred with improved OR efficiency.

### PURPOSE

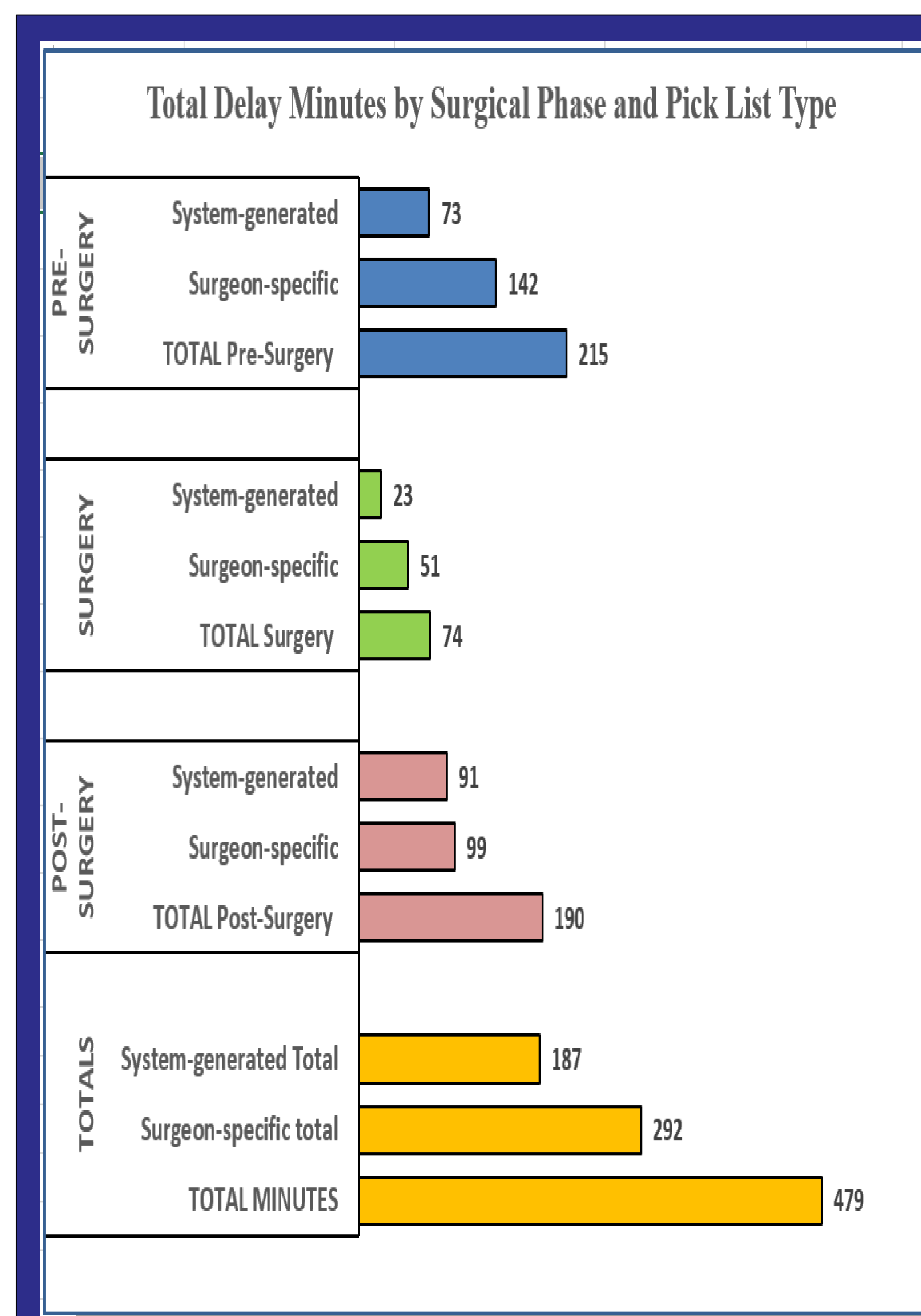
To determine the impact of pick lists on operative time during lower extremity fracture (LEF) repair cases

### BACKGROUND

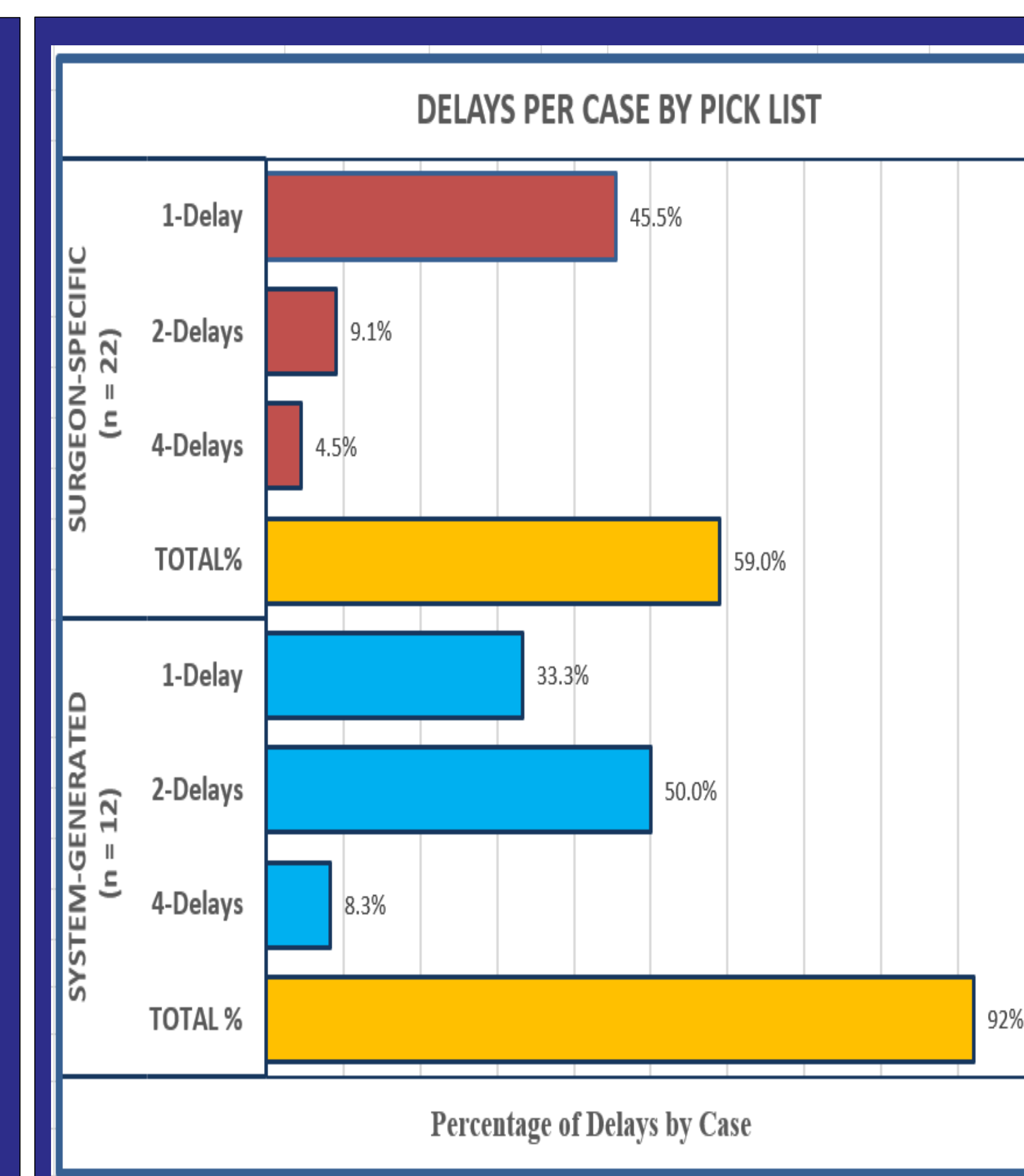
- Over a three-month period, 53% of LEF surgeries exceeded allocated time
- Inefficiencies in process flow during LEF surgeries were identified with positioning, imaging, instrumentation, and implants
- Possible source of inefficiency-time delays due to errors related to system-generated vs surgeon-specific pick list

### METHODS

- Pilot observations facilitated the collection of variables essential for QI project
- IRB approval to conduct OR observations
- Development of Observation audit tool in Excel
- 51 observations completed Feb-Oct 2021
- Data analysis completed in Excel



- Total delay minutes = 479:  
Surgeon-specific = 292 (61%)  
System-generated = 187 (39%)



- Surgeon-specific: Total delays 59%  
System-generated: Total delays 92%

Pick List Type	Total Delay Minutes (%)	Total Delays (%)
Surgeon-specific ( n=22 )	61%	59%
System-generated ( n=12 )	39%	92%

- Surgeon-specific: greater delay minutes  
System-generated: greater total delays

### RESULTS

- System-generated pick list were associated with a greater number of delays, but fewer total minutes
- Surgeon-specific pick lists were associated with fewer delays, but more total minutes
- Findings summary shared with Orthopedic Trauma team and Peri-op leadership
- Recommendations to standardize and maintain accuracy of pick lists

### OUTCOMES

- Updating pick lists with accurate list of supplies, equipment & instruments
- Implementation of 2:00 PM Huddle with Central Processing department
- Installation of White Boards for case setup requirements
- Preference sheet improvements corroborate that case carts are being pulled correctly