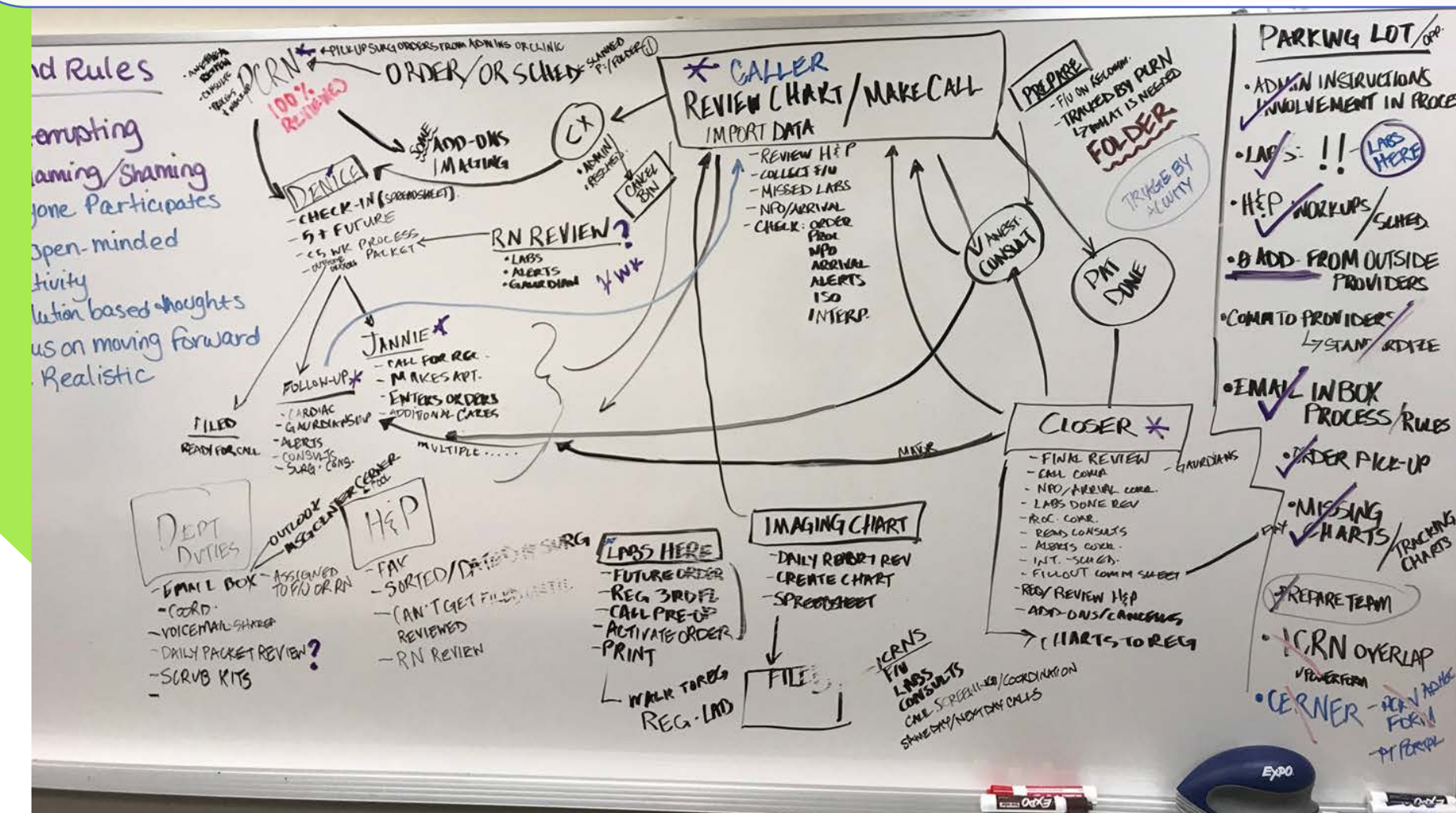


Redesigning the Pre-Admission Testing Process in a Specialized Children's Hospital, Moving Towards a Model of Care Coordination

Mary E. Reak RN MSN CPAN, Katherine Houle RN MSN CPAN Gillette Children's Specialty Healthcare, St. Paul, Minnesota

Background: Gillette Children's Specialty Healthcare, located in St. Paul, MN, serves a complex patient population, who often present on the day of surgery, with an extensive list of comorbidities. The complicated pre-op preparation process was deemed inefficient, task focused vs. process focused. Our PeriAnesthesia team was faced with the question - **How do you triage with a name or surgical procedure?** It was clear we needed a better process and a tool.

Our team met to map out our current processes, illustrating the complexity of our systems and the redundancies that existed. Then we established what we could fix.



An **Acuity Tool** was developed, using a point system, to help us triage and sort the complexity of our patients.

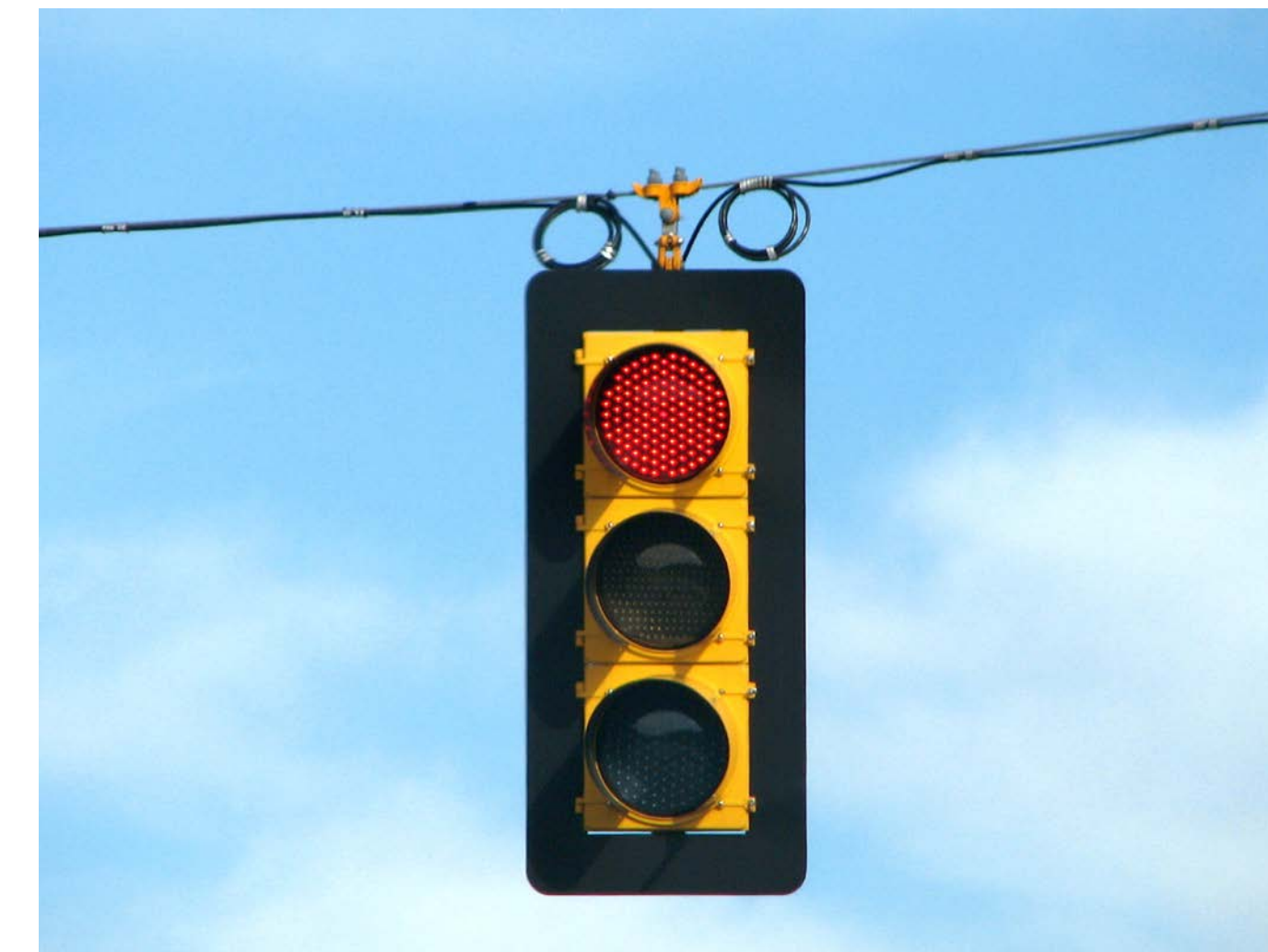
Acuity Tool → Used to score patient's acuity during their perioperative course of care.

Psych/Social Comments:	<input type="checkbox"/> Patient lives in or is coming from a GROUP HOME <input type="checkbox"/> INTERPRETER <input type="checkbox"/> SOCIAL WORKER involved in patient care or consulted for this surgical event <input type="checkbox"/> GUARDIANSHIP Issues <input type="checkbox"/> History of ANXIETY or noted family anxiety <input type="checkbox"/> AUTISM diagnosis <input type="checkbox"/> AGGRESSIVE or Self injurious behaviors						
Known History Comments:	<input type="checkbox"/> RECENT ILLNESS - URI, UTI, GI, etc. <input type="checkbox"/> MH history [family history] <input type="checkbox"/> BLEEDING DISORDER and/ or HEMATOLGY consult <input type="checkbox"/> History of TRANSPLANT or currently on DIALYSIS <input type="checkbox"/> CARDIAC consult <input type="checkbox"/> RESPIRATORY -chronic disease, OSA consult included <input type="checkbox"/> ENDOCRINE -consult or DIABETIC <input type="checkbox"/> GI-GJ conversion <input type="checkbox"/> SKIN -rash/open wound <input type="checkbox"/> MDRO + status [Isolation or additional testing required] <input type="checkbox"/> AIRWAY issues or known difficult intubation <input type="checkbox"/> TRACHED patient <input type="checkbox"/> BIPAP/VENT dependent <input type="checkbox"/> NEUROLOGICAL -seizures, VNS, programmable shunt, DBS, keto diet <input type="checkbox"/> MITOCHONDRIAL DISORDER, MYOPATHY, DUCHENE MD <input type="checkbox"/> RECOMMENDATIONS -one check per item						
Process Comments:	<input type="checkbox"/> LABS required pre-op <input type="checkbox"/> ANESTHESIA consult <input type="checkbox"/> TYPE AND CROSS or TYPE AND SCREEN required <input type="checkbox"/> DAY BEFORE ADMIT <input type="checkbox"/> OBSERVATION STATUS <input type="checkbox"/> IMAGING ordered for day of procedure <input type="checkbox"/> MULTIPLE PROCEDURES or MULTIPLE PROVIDERS involved <input type="checkbox"/> GESTATIONAL AGE [Premie less than 60 weeks] if < 1 year old						
Medication Management/Blood Product Comments:	<input type="checkbox"/> ALLERGY ISSUES (true egg allergy w/IOM monitoring, pork products with cell saver, multiple antibiotic) <input type="checkbox"/> 0-10 MEDICATIONS <input type="checkbox"/> 10 + MEDICATIONS <input type="checkbox"/> PRE-OP ANTIBIOTICS to be given in Pre/Post <input type="checkbox"/> PORT-A-CATH or PICC LINE <input type="checkbox"/> PRE-OP BLOOD PRODUCT or factor infusion required						
Additional 5 points	<input type="checkbox"/> PREPARE <input type="checkbox"/> MEDICATION WEAN						
TOTAL SCORE	<table border="1"> <tr> <td>0-5</td> <td>Green</td> </tr> <tr> <td>6-10</td> <td>Yellow</td> </tr> <tr> <td>11+</td> <td>Red</td> </tr> </table>	0-5	Green	6-10	Yellow	11+	Red
0-5	Green						
6-10	Yellow						
11+	Red						

Name: _____ Date/Time: _____

This is not part of the patient's medical record-please return to the Pre-op Office

During design and testing of our new Acuity Tool, we completed a "time study" to help validate the time spent with each chart/patient in our current process.



"Green" charts require very little extra preparation for surgery.

"Yellow" charts require some extra coordination of care pre-operatively.

"Red" charts are our most complex patients, with many co-morbidities. These patients require extensive pre-operative preparation.

Based on the patient's acuity score, we now sort the charts by color and do daily team assignments.

We have been able to adopt a care coordination model for our most complex and challenging patients.



Next Steps

- We have recently moved the Acuity Tool into our EMR so all providers and caregivers are able to review. This also allows us to carry the information forward to subsequent visits and easily review and update if needed.
- This tool has been incorporated into intradisciplinary conferences to help establish the patient's complexity and outline criteria for additional PreAdmit work-ups and patient prep.

Additional Finding

- This tool allows for the entire Perioperative team to have a high-level view of the complexity of the patient.
- The additional information guides staffing decisions, case start times, identifies additional needed resources and improves patient safety.



Helping kids realize what they can achieve