**\*\*Supplemental:** triage definitions

**Under and Overtriage Formula**34,35

(1-Sensitivity and 1-Specificity)

* Undertriage % (1-Sensitivity) =

 (patients triaged low acuity who were acuity high acuity/all high acuity patients)

 Routine (or Green) Admitted + Routine (or Green) Died in A&E

 All Admitted + All Died in A&E patients

* Overtriage % = (1-Specificity)

 (patients triaged high acuity who were actually low-acuity/all low acuity patients)

 Emergent (or Red) + Very Urgent + Urgent (or Yellow) Discharged

 All Discharged patients

* Positive Predictive Value (PPV) = True Positive/True Positive + False Positive

 (proportion of patients triaged high acuity that were admitted or died in A&E)

 Emergent (or Red) + Very Urgent + Urgent (or Yellow) Admitted or Died

 Emergent (or Red) + Very Urgent + Urgent (or Yellow) Admitted or Died + Routine Admitted

* Negative Predictive Value (NPV) = True Negative/True Negative + False Negative

 (proportion of patients triaged low acuity that were discharged)

Routine Discharged

Routine Discharged + Routine Admitted