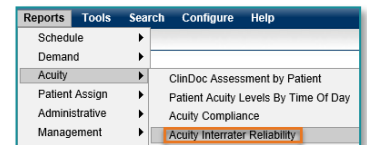The Acuity Interrater Reliability Report evaluates the reliability between caregiver acuity assessments and an audit assessment. The report supports the audit process; an integral part of the acuity methodology measuring the degree of consistency in acuity assessments. Consistently accurate acuity assessments result in accurate workload measurements in Assignment Manager.

Running the Interrater Reliability Report

➢ Hover over **Reports** in toolbar, then hover over **Acuity**, select **Acuity Interrater Reliability**.

- Enter the **Selection Criteria** for your Facility and Profile.

- Update the **Start/End dates** to reflect the date of the assessment.

- Sort Patient Data by **Auditor**.

- If selections are being made the for the first time, the remaining fields may be left as defaulted.

  - Once filters have been applied, they will stay applied until changed.

- Select **Run Report**.

Interpreting the Interrater Reliability Report

The report calculates percent agreement using absolute and near agreement comparisons.

➢ Absolute Agreement: Indicates the Likert ratings selected for an outcome match.

➢ Near Agreement: Indicates the Likert ratings for the outcome were within one value of each other.

➢ Interrater reliability is met for an outcome when the sum of the percent absolute agreement and percent near agreement is 85% or higher.

- The average of NOC Outcomes should be **at least 86%** to confirm reliability of data.

NOTE: The report refers to EHR clinical documentation as <u>assessment</u>.

➢ Summary Section:

- **Total # Assessments Audited**: The total number of assessments audited for the selected location and service.

- **Total # Outcomes Audited**: The total number of outcomes audited for the selected location and service. The report displays by outcome set; each assessment audited has the same number of outcomes.

- **Acuity Match N/%:**

- - N = The number of audited assessments in which the acuity level generated by the assessment and audit were identical.
  - % = The percentage of audited assessments in which the acuity level generated by the assessment audit were identical.

- **Assess Acuity > Audit Acuity N/%:**
  - N = The number of audited assessments in which the acuity level of the assessment was greater than the level generated by the audit.
  - % = The percentage of audited assessments in which the acuity level of the assessment was greater than the level generated by the audit.

- **Audit Acuity > Assess Acuity N/%:**
  - N = The number of audited assessments in which the acuity level of the audit was greater than the level generated by the assessment.
  - % = The percentage of audited assessments in which the acuity level of the audit was greater than the level generated by the assessment.

- **Acuity Level Correlation**: The correlation between the acuity level generated by the assessment and audit using a standard RSQ (r squared) calculation.

➢ Interrater Reliability for all NOC Outcomes in Audit:

- **NOC Outcomes:** The list of NOC outcomes in the defined outcome set being reported.

- **# Assess/Audit:** The number of times each outcome was assessed and audited, with each assessment/audit combination equaling 1.

Interrater Reliability for All NOC Outcomes in Audit
Me_FR 3 Med Surg - 2076 : ME_SS 4B MEDICAL ACUTE - 2078 :

NOC Outcomes	# Assess / Audit	Absolute Agreement	Near Agreement*	Outcome Rating Correlation
Cardiac Pump Effectiveness	5	80%	20%	.
Coping	5	20%	20%	.
Discomfort Level	5	40%	20%	2%
Electrolyte & Acid/Base Balance	5	40%	20%	28%

- **Absolute Agreement:** Calculates the percentage of times the Likert rating for the assessor was identical to the Likert rating of the auditor.

- **Near Agreement:** Calculates the percentage of times the Likert rating for the assessor was not identical to the Likert rating of the auditor but was in one Likert rating.

- **Outcome Rating Correlation:** The correlation between the outcome rating generated by the assessment and audit using a standard RSQ (r squared) calculation.

Assessments / Audits by Patient
Me_FR 3 Med Surg - 2076 : ME_SS 4B MEDICAL ACUTE - 2078 :
Sort selection in italics

Patient Name	Assessed by	Audited by	# of Outcomes	Weighted Average	RN Acuity	Audit Acuity
Testing, Patient 333444555	Admin	*ADMIN MPTEST*	16	2.13 / 2.56	5	6
Caregiver		Default Administrator account		Testing, Nurse		
Type		RN		Audit		
Date/Time		08/19/2021 14:13		08/19/2021 15:51		
Cardiac Pump Effectiveness		No deviation from normal range		No deviation from normal range		
Coping		Often demonstrated		Often demonstrated		

➢ Assessments/Audits by Patient:

- **Assessed by:** The username of the person who completed the clinical documentation.

- **Audited by:** The username of the person who completed the audit assessment.

- **# of Outcomes**: The number of outcomes included in this outcome set.

- **Weighted Average**: The average of the weighted raw acuity scores generated by the clinical documentation and the average of the weighted raw acuity scores generated by the audit.

- **RN Acuity**: The acuity level calculated by the application from the clinical documentation.

- **Audit Acuity**: The acuity level calculated by the application from the audit.

➢ Comparison of the **Assessment Likert Ratings** will display in different colors, depending on similarity. This makes it easier to view the differences between the assessment coming into Clairvia and the audit results.

- **Black**: Indicates an identical Likert Rating between the audit and the clinical documentation.

- **Blue**: Indicates a Likert Rating that differs by one value between the audit and the clinical documentation.

- **Red**: Indicates a Likert Rating that differs by two or more values between the audit and the clinical documentation.

NOTE: The report may be saved or printed by selecting the save icon or the printer icon.

➢ **Example:** Assume the outcome is Respiratory Status: Gas Exchange and the available Likert ratings are: Severely Compromised, Substantially Compromised, Moderately Compromised, Mildly Compromised, and Not Compromised.

- If **both** the assessor and the auditor select Substantially Compromised, the Likert ratings will show up in black on the report, indicating absolute agreement.

- If the assessor selects Substantially Compromised and the assessor selects Moderately Compromised, the Likert rating is displayed in blue, because the values are one value apart, and thus indicate near agreement.

- If the assessor selects Substantially Compromised and the assessor selects Mildly Compromised, the Likert rating is displayed in red because the values are more than one value apart, indicating nonagreement.

NOTE: A Clairvia Scheduling Work Request should be placed to request changes in Acuity mapping and scoring.