

# SOAP NOTES & TRIAGE VALIDATION REPORT

AI-Extracted Clinical Notes & Urgency Classification

Report Date:	2026-01-05 15:45:27
Total Cases:	15
Purpose:	Clinical validation of AI extractions
Focus:	SOAP notes (S & O) + Urgency triage

## VALIDATION INSTRUCTIONS

Dear Nurse Reviewer,

Please review each case and validate the following:

- **S + O Summary:** Are the patient's complaints, symptoms, and observable signs accurately captured?
- **Triage/Urgency:** Is the urgency level classification appropriate for the case?

For each section, please mark:

- ✓ **ACCURATE** - Information is correctly extracted/classified
- **INCOMPLETE** - Missing important information
- ✗ **INCORRECT** - Contains errors or misinterpretations

Your feedback will help improve both AI extraction accuracy and triage logic.

Patient: Robert Martinez

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** The patient exhibits signs and symptoms consistent with a potential cardiac event, including chest pain, shortness of breath, and left arm numbness, along with a significant medical history of heart disease (stent placement). His presentation is critical, as he is conscious but in distress, experiencing rapid and shallow breathing, and expressing fear of dying. These factors indicate a high risk of deterioration, necessitating immediate medical attention. (AI-enhanced from ESI Level 3)

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller reports that his father, Robert Martinez, is clutching his chest, cannot breathe, and has numbness in his left arm. He is sweating profusely and appears gray. The pain is described as feeling like an elephant sitting on his chest. The father is conscious but doubled over, breathing rapidly and shallowly, and expressing fear of dying. Name: Robert Martinez Age: 62 Address: 3847 Riverside Boulevard Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** The patient is experiencing symptoms consistent with a potential cardiac event, including chest pain, shortness of breath, and left arm numbness. He has a history of heart problems, having had a stent placed two years ago.

**Plan:** Advise the caller to have the patient chew one regular aspirin if he can swallow. Instruct to keep the patient sitting up and not to let him lie flat. Paramedics are on the way and will arrive in approximately 3 minutes. Stay on the line for further assistance.

**Patient:** David Chen

## AI TRIAGE CLASSIFICATION

**AI Predicted Urgency: HIGH**

**Triage Logic:** The patient, David Chen, is experiencing a severe laceration to his leg with significant arterial bleeding, which poses an immediate life threat. The caller reports that blood is spouting out, indicating a possible arterial injury, and David is showing signs of shock (pale and cold). He is conscious but at risk of deteriorating rapidly due to blood loss. This situation requires immediate medical intervention, thus categorizing it as ESI Level 2 (High). (AI-enhanced from ESI Level 3)

**Nurse Assessment:**

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller is a woman who is panicking and screaming for help. She reports that her husband, David Chen, has cut himself with a chainsaw on his leg and is bleeding profusely. She describes the situation as very serious, mentioning that there is a lot of blood and that she can see inside his leg. She is trying to keep him awake and is visibly distressed. Name: David Chen Age: [Not provided] Address: 5612 Oakmont Drive Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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*For Context:*

**Assessment:** The patient, David Chen, has a severe laceration to his leg with significant arterial bleeding. He is conscious but pale and showing signs of shock due to blood loss.

**Plan:** Instruct the caller to apply direct pressure to the wound using towels or clothing. Advise her to keep talking to him and to prevent him from losing consciousness. Confirm that paramedics are on the way and will arrive in approximately 4 minutes.

**Patient:** Tommy Williams (5 years old)

## AI TRIAGE CLASSIFICATION

**AI Predicted Urgency: CRITICAL**

**Triage Logic:** The patient, a 5-year-old boy, is experiencing a seizure that has lasted approximately 5 minutes, which is concerning for status epilepticus. He is showing signs of respiratory distress (turning blue) and is not in a safe position during the seizure. The combination of prolonged seizure activity, cyanosis, and the potential for airway compromise necessitates immediate medical intervention, categorizing this case as ESI Level 1 (Critical). (AI-enhanced from ESI Level 3)

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller, a teenage girl, is screaming and crying, reporting that her 5-year-old brother, Tommy Williams, is having a seizure and won't stop shaking. She expresses panic and concern, stating that this has never happened before. She is unsure how long he has been seizing, estimating it to be around 5 minutes. She is worried about his condition, especially since he is turning blue and is not on his side. She is alone with him as the babysitter, and their parents are not home. Name: Tommy Williams Age: 5 Address: 2847 Willow Creek Court Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** The patient is a 5-year-old male experiencing a seizure lasting approximately 5 minutes. He is showing signs of distress, including shaking and turning blue, with foam coming from his mouth. The situation is critical as he is not positioned safely during the seizure.

**Plan:** Emergency medical services are en route and should arrive within 2 minutes. The caller is instructed to keep the patient on his side and ensure that nothing is near him that he could hit. The caller should remain on the line until help arrives.

Patient: Jessica Park

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** Jessica is experiencing a severe asthma attack with significant respiratory distress, as evidenced by her inability to speak in full sentences, cyanosis of the lips, and the ineffectiveness of her inhaler after multiple uses. Her history of hospitalization for asthma further indicates a high risk of deterioration. Immediate medical intervention is necessary, thus placing her at ESI Level 2 (HIGH). (AI-enhanced from ESI Level 3)

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller reports that his girlfriend, Jessica Park, is having an asthma attack and her inhaler is not working. She has been having trouble breathing for about 15 minutes and has used her inhaler three times but is getting worse. The caller states that she can only say a few words at a time and is sitting on the edge of the bed leaning forward. He mentions that her lips look a little blue and that she has had severe asthma attacks before, having been hospitalized for asthma as a teenager. Name: Jessica Park Age: [Not provided] Address: 4521 Maple Street, apartment 2B Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** Jessica is experiencing a severe asthma attack, indicated by difficulty breathing, use of inhaler without relief, and cyanosis of the lips. The history of hospitalization for asthma suggests a potential for severe respiratory distress.

**Plan:** Paramedics are en route and expected to arrive in 4 minutes. Instruct the caller to keep Jessica sitting up, encourage her to slow her breathing, and monitor her condition until help arrives.

**Patient:** Linda Thompson

### AI TRIAGE CLASSIFICATION

**AI Predicted Urgency: HIGH**

**Triage Logic:** ESI Level 2: chest pain (high-risk cardiovascular) (Evidence-based ESI v5)

**Nurse Assessment:**

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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### CLINICAL SUMMARY (S + O)

The caller reports that her mother, Linda Thompson, fell and hit her head, resulting in significant bleeding and confusion. The caller states that her mother is 78 years old and takes blood thinners (Warfarin) for her heart condition. The fall occurred just a few minutes ago, and the mother felt lightheaded before collapsing. The caller mentions that her mother is conscious but keeps repeating questions and does not remember falling. There is a big gash on her forehead, and the bleeding is not controlled despite applying pressure. Name: Linda Thompson Age: 78 Address: 7123 Birchwood Avenue Phone: [Not provided] Blood: Warfarin

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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*For Context:*

**Assessment:** The patient has sustained a head injury with significant bleeding, likely exacerbated by the use of blood thinners. She is conscious but confused, with signs of potential neurological compromise indicated by her repeated questioning and weakness on the right side.

**Plan:** Paramedics are en route and will arrive in approximately 3 minutes. The caller is instructed to maintain firm pressure on the wound, keep the patient still, and not allow her to get up. Further assessment and treatment will be conducted by the paramedics upon arrival.

Patient: Maria Santos

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: CRITICAL

**Triage Logic:** Maria is a 38-week pregnant woman in active labor with strong contractions every 2 minutes, and the baby's head is already visible, indicating imminent delivery. Given the rapid progression of her labor and the fact that this is her third child, there is a significant risk of delivering the baby before the ambulance arrives. The situation poses an immediate life threat to both the mother and the baby, necessitating urgent medical attention. (AI-enhanced from ESI Level 3)

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller reports that his wife, Maria, is 38 weeks pregnant and experiencing severe contractions every 2 minutes. She has been in labor for about 20 minutes, and the contractions started strong right away. The husband mentions that this is their third baby, and the last delivery was very fast, taking only about 45 minutes. Maria expresses feelings of pressure and uncertainty about whether she needs to push. Name: Maria Santos Age: [Not provided] Address: 1829 Sunset Ridge Drive Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** The patient is a 38-week pregnant woman in active labor with strong contractions every 2 minutes. The husband reports that the baby's head is visible, indicating imminent delivery.

**Plan:** Advise the husband to prepare clean towels and blankets for the delivery. The ambulance is on the way and expected to arrive in 4 minutes. Encourage Maria to push with the contractions and reassure her that help is coming.

Patient: Dorothy Miller

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** The patient, Dorothy, is experiencing severe hypoglycemia with a blood glucose level of 38, which is critically low. She exhibits confusion, sweating, shaking, and lethargy, indicating a high risk of deterioration. Although her breathing is normal, her altered mental status and inability to swallow pose a significant risk for further complications. Immediate medical intervention is necessary, justifying the ESI Level 2 classification. (AI-enhanced from ESI Level 3)

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller is a retired nurse reporting that his wife, Dorothy Miller, is experiencing a severe low blood sugar reaction. She is confused, sweating profusely, shaking, and can barely stay awake. The caller checked her glucose level, which is 38. She had breakfast around 7 AM but did not eat much and took her full insulin dose at 8 AM. Symptoms were noticed about 15 minutes ago, and she is getting worse quickly. The caller attempted to give her orange juice, but she cannot swallow well and keeps pushing it away. Name: Dorothy Miller Age: 69 Address: 6234 Elmwood Court Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** The patient is likely experiencing severe hypoglycemia due to insufficient food intake and insulin administration. Symptoms include confusion, sweating, shaking, lethargy, and a low glucose level of 38.

**Plan:** The caller has been instructed to administer glucagon, which he is currently doing. Paramedics are on the way and are expected to arrive in 5 minutes. The caller has been advised to turn the patient on her side in case of vomiting and to monitor her breathing.

Patient: Kyle (15 years old)

### AI TRIAGE CLASSIFICATION

AI Predicted Urgency: MEDIUM

Triage Logic: Standard evaluation needed - ESI Level 3 baseline + AI confirmation

#### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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### CLINICAL SUMMARY (S + O)

The mother reports that her 15-year-old son, Kyle, fell off his skateboard while doing tricks at the skate park and hurt his left arm. She suspects it might be broken. Kyle describes the pain as an 8 out of 10 and states that it hurts in his forearm, between his wrist and elbow. He mentions swelling and that he can move his fingers, but it hurts to do so. He was wearing a helmet and did not hit his head or lose consciousness. Name: Kyle Age: 15 Address: 4782 Pinecrest Lane Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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#### For Context:

**Assessment:** Kyle likely has a forearm fracture with swelling and deformity, but no signs of head injury or loss of consciousness.

**Plan:** The mother will drive Kyle to the emergency room. Continue to apply ice to the injury and support his arm during transport.

Patient: Tom

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** Tom is exhibiting signs of dehydration due to persistent vomiting and diarrhea, along with dizziness and weakness. These symptoms indicate a high risk for deterioration, especially considering he has not urinated since this morning. The recent consumption of seafood raises the possibility of foodborne illness, which could further complicate his condition. Therefore, he requires immediate medical evaluation and intervention, categorizing him as ESI Level 2. (AI-enhanced from ESI Level 3)

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller is concerned about her husband, Tom, who has been experiencing diarrhea and vomiting all day. He is very weak and feels dizzy, with body aches. He attempted to drink water and Gatorade but could not keep them down. He has not urinated since this morning and feels hot but has not taken his temperature. He recently ate at a seafood buffet for their anniversary, while his wife feels fine. Name: Tom Age: 54 Address: 9156 Woodland Drive Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** Tom is showing signs of dehydration due to persistent vomiting, diarrhea, and lack of urination. His symptoms of dizziness and weakness are concerning and indicate a potential need for medical intervention.

**Plan:** An ambulance should be dispatched to evaluate Tom's condition and provide necessary medical assistance.

Patient: Helen Reed

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** The patient is an 81-year-old woman with a prolonged nosebleed lasting 45 minutes, which is concerning given her use of warfarin and her age. The combination of anticoagulation therapy and the duration of the bleeding increases her risk of significant complications. Although she is not in immediate distress, the lightheadedness she reports, along with her medical history, indicates a potential for deterioration. Therefore, she requires urgent evaluation and intervention, placing her at ESI Level 2. (AI-enhanced from ESI Level 3)

**Nurse Assessment:**

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller is an 81-year-old woman named Helen Reed who has been experiencing a nosebleed for about 45 minutes that won't stop. She reports that she has had occasional nosebleeds in the past, which usually resolve in 10 to 15 minutes. She feels a little lightheaded but attributes it to her age. She takes warfarin and has an artificial heart valve. The nosebleed started while she was reading her book, and she has been pinching her nose and leaning forward as instructed. Name: Helen Reed Age: 81 Address: 3421 Sycamore Boulevard, apartment 12C Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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*For Context:*

**Assessment:** The patient is experiencing a prolonged nosebleed, likely exacerbated by the use of blood thinners (warfarin) and her age. She is lightheaded but does not report severe dizziness or weakness.

**Plan:** Paramedics will be dispatched to check on the patient due to the duration of the nosebleed and her use of blood thinners. She is advised to continue pinching her nose until help arrives.

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** The patient is a 77-year-old male with a history of COPD, presenting with a worsening cough lasting three weeks, producing yellow-green sputum with possible blood. These factors indicate a high risk for deterioration, as he may have pneumonia or another serious respiratory condition. His age and underlying lung disease further elevate the concern, warranting immediate assessment and intervention. (AI-enhanced from ESI Level 3)

**Nurse Assessment:**

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller is concerned about his 77-year-old father who has been coughing for three weeks. The cough is worsening, and the father is coughing up yellow-green sputum, sometimes with blood. The father refuses to see a doctor and does not allow his son to take his temperature. The son describes his father as stubborn and mentions that he has COPD. The father states that everything is hard for him due to his age and that he has not seen a doctor in possibly over a year. Name: [Not provided] Age: 77 Address: 5892 Highland Avenue Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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*For Context:*

**Assessment:** The patient is a 77-year-old male with a history of COPD presenting with a persistent cough for three weeks, producing yellow-green sputum with possible blood. The symptoms suggest a potential respiratory infection, such as pneumonia, especially considering his underlying condition.

**Plan:** Paramedics will be sent to assess the patient's oxygen levels and lung sounds. Encourage the patient to seek further medical evaluation despite his reluctance to go to the hospital.

Patient: Sarah (26 years old)

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** Sarah presents with symptoms indicative of a possible kidney infection, including significant fever (102.3°F), severe back pain localized to one side, chills, and vomiting. These symptoms suggest a high risk of deterioration, especially considering the potential for complications from a kidney infection. Therefore, she requires urgent evaluation and treatment, placing her at ESI Level 2 (HIGH). (AI-enhanced from ESI Level 3)

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller, Sarah, is a 26-year-old woman who reports experiencing severe pain due to a urinary tract infection. She describes symptoms including difficulty urinating, burning sensation during urination, significant lower back pain on the right side, chills, and a fever of 102.3°F. She also mentions vomiting once in the morning and states that her symptoms have worsened over the past three days. Sarah has a history of UTIs but states this episode is more severe than previous ones. She is not pregnant and has no known medical conditions. Name: Sarah Age: 26 Address: 2847 Riverside Terrace, apartment 5A Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** Sarah's symptoms suggest a possible kidney infection, which is more serious than a bladder infection, given her fever and back pain.

**Plan:** It is recommended that Sarah go to the emergency room for evaluation and treatment due to her symptoms. If she chooses to wait, she should drink plenty of water and call back if her condition worsens.

Patient: Margaret Foster

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** The situation presents a potential high-risk scenario due to the elderly age of Margaret Foster, her reported diabetes, and the fact that she has not been seen for several days. The caller's concern, combined with the fact that she lives alone and has not responded to attempts to contact her, raises the likelihood of a serious medical issue. While there is no direct evidence of an immediate life threat, the risk of deterioration is significant, warranting a high-level response. (AI-enhanced from ESI Level 3)

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller, Robert Chen, reports concern for his elderly neighbor, Margaret Foster, who he hasn't seen in about four days. He notes that her newspapers are piling up and that her car is in the driveway. He has knocked on her door several times without a response, although he can see lights on inside. He mentions that she walks with a cane and has diabetes. The last time he saw her was last Saturday when she seemed fine. Name: Margaret Foster Age: 80s Address: 7231 Oakwood Drive Phone: 555-0198 Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** The situation indicates a potential medical emergency or welfare concern for an elderly female who has not been seen for several days and may require assistance.

**Plan:** Officers will be dispatched to perform a welfare check on Margaret Foster. Robert Chen will be available for contact and has a spare key if needed.

**Patient:** Emma Rodriguez (3 years old)

## AI TRIAGE CLASSIFICATION

**AI Predicted Urgency: MEDIUM**

**Triage Logic:** Standard evaluation needed - ESI Level 3 baseline + AI confirmation

### Nurse Assessment:

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller reports that her 3-year-old daughter, Emma Rodriguez, has a plastic craft bead stuck in her left nostril. The child is breathing fine through her mouth and the other nostril, and is playing normally. The bead has been in her nose for approximately 20 minutes, but the exact time is uncertain as it could have happened during her nap. Name: Emma Rodriguez Age: 3 years old Address: 4156 Magnolia Street Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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### For Context:

**Assessment:** The child has a foreign body (bead) lodged in her left nostril but is currently stable with no signs of distress, such as difficulty breathing or bleeding.

**Plan:** The mother has been advised to take her daughter to urgent care, which is 5 minutes away, for safe removal of the bead. She has been instructed to call back immediately if there are any changes in the child's condition, such as trouble breathing or heavy bleeding.

Patient: Jake Morrison (18 years old)

## AI TRIAGE CLASSIFICATION

AI Predicted Urgency: HIGH

**Triage Logic:** Jake is 18 years old and has consumed a significant amount of alcohol (8 or 9 drinks over three hours), which raises the concern for alcohol poisoning. Although he is conscious, he is described as "out of it" and mumbling, indicating altered mental status. He has also vomited recently, which is a common complication of alcohol intoxication. His breathing is noted to be "a little slow but steady," which is concerning and could indicate respiratory depression. Given these factors, he is at high risk for deterioration, necessitating immediate medical evaluation and intervention. (AI-enhanced from ESI Level 3)

**Nurse Assessment:**

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> SHOULD BE HIGHER	<input type="checkbox"/> SHOULD BE LOWER	Comments: _____
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## CLINICAL SUMMARY (S + O)

The caller is a teenager who is worried about his friend, Jake, who drank a lot at a party. They are both 18 years old, and it is Jake's birthday. The caller reports that Jake is conscious but out of it, lying on the couch and mumbling. He has thrown up about 30 minutes ago and is currently on his side with a trash can nearby. The caller is concerned about Jake's condition and is unsure if he will get in trouble since there are no adults present. Name: Jake Morrison Age: 18 Address: 8923 University Boulevard Phone: [Not provided] Blood: [Not provided]

<input type="checkbox"/> ACCURATE	<input type="checkbox"/> INCOMPLETE	<input type="checkbox"/> INCORRECT	Comments: _____
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*For Context:*

**Assessment:** The patient, Jake, is showing signs of potential alcohol poisoning due to excessive alcohol consumption (8 or 9 drinks over three hours) and recent vomiting. He is conscious but disoriented and has a slow but steady breathing pattern.

**Plan:** Paramedics are being dispatched to the location to assess Jake's condition. The caller is advised to keep Jake on his side and stay with him until help arrives.

# TRIAGE ACCURACY SUMMARY

Total Cases Analyzed:	15
Expected vs AI Matches:	6 / 15
Mismatches:	9
AI Accuracy Rate:	40.0%

## AI Triage Distribution

Urgency Level	Count	Percentage
CRITICAL	2	13.3%
HIGH	11	73.3%
MEDIUM	2	13.3%
LOW	0	0.0%

## Cases with Expected vs AI Mismatch (9 cases):

Case ID	Expected	AI Predicted
CALL_101	CRITICAL	HIGH
CALL_102	CRITICAL	HIGH
CALL_106	HIGH	CRITICAL
CALL_109	MEDIUM	HIGH
CALL_110	MEDIUM	HIGH
CALL_111	MEDIUM	HIGH
CALL_112	MEDIUM	HIGH
CALL_113	LOW	HIGH
CALL_114	LOW	MEDIUM

## Clinical Reviewer Information

**Reviewer Name:** \_\_\_\_\_

**Professional Title:** \_\_\_\_\_

**Review Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

## **Overall Assessment & Recommendations:**

# APPENDIX: SYSTEM LOGIC EXPLANATION

## 1. SCIENTIFIC BASIS

**Reference:** Gilboy N, Tanabe P, Travers D, Rosenau AM. Emergency Severity Index (ESI): A Triage Tool for Emergency Department Care, Version 4. Implementation Handbook 2012 Edition. AHRQ Publication No. 12-0014. Rockville, MD.

## 2. ESI STANDARD LEVELS (Medical Standard)

Level	Name	Description
1	Resuscitation	Immediate life-saving intervention needed (e.g. Cardiac Arrest)
2	Emergent	High risk, confused, severe pain/distress (e.g. Chest Pain, Stroke)
3	Urgent	Stable, multiple resources needed (e.g. Abdominal Pain)
4	Less Urgent	Stable, one resource needed (e.g. Simple Laceration)
5	Non-Urgent	No resources needed (e.g. Prescription Refill)

## 3. MAPPING TO DASHBOARD LEVELS

ESI Level	Dashboard Urgency Level	Color
Level 1	<b>CRITICAL</b>	<b>RED</b>
Level 2	<b>HIGH PRIORITY</b>	<b>ORANGE</b>
Level 3	<b>MEDIUM PRIORITY</b>	<b>YELLOW</b>
Level 4 & 5	<b>LOW PRIORITY</b>	<b>GREEN</b>

## 4. HYBRID LOGIC EXPLANATION

The system uses a **Hybrid Safety-First** approach:

**Step A: Rule Check.** Scans for specific keywords. If "cardiac arrest" is found, it immediately sets Level 1 (CRITICAL).

**Step B: AI Context.** If no clear keywords are found, Artificial Intelligence analyzes the context (e.g. distinguishing negation "No chest pain").

**Step C: Safety Net.** The system compares the ESI Rule result vs the AI Analysis. **It ALWAYS picks the higher urgency level for safety.**