

# ICD-10-PCS Code Request

Computer-aided Assessment of Acute Abdominopelvic Pathology

**a2z-Unified-Triage**

a2z Radiology AI Inc.

Submitted for consideration with the Fall 2026 ICD-10 Coordination and Maintenance Committee Update

Requested implementation date: October 1, 2027

There is currently no unique ICD-10-PCS code to describe computer-aided assessment of abdominopelvic pathology using artificial intelligence analysis of computed tomography (CT) imaging.

a2z-Unified-Triage, developed by a2z Radiology AI Inc., is an FDA-cleared AI software platform that automatically analyzes CT images of the abdomen and pelvis to identify time-sensitive pathology and facilitate worklist prioritization for providers.

No existing ICD-10-PCS code captures this distinct clinical function.

The requestor is seeking an October 1, 2027 implementation date.

### **New Technology Application**

Yes. The requestor intends to submit one or more NTAP applications for FY 2028 consideration.

### **FDA Status**

a2z-Unified-Triage received FDA 510(k) clearance on November 24, 2025. Class II, 21 CFR 892.2080. Submission K252366. Product codes: QAS, QFM.

## Clinical Background

Acute abdominal and pelvic conditions represent a significant clinical burden in the United States. Abdominal pain accounts for approximately 8–10% of all adult ED visits. Over 90 million CT scans are performed annually in the U.S.; abdomen/pelvis CT represents a substantial share of this volume.

Many acute abdominopelvic conditions are time-sensitive: acute cholecystitis, acute pancreatitis, unruptured AAA, acute diverticulitis, free air, hydronephrosis, and small bowel obstruction. Delays in diagnosis directly impact morbidity and mortality.

The current standard of care relies on manual, first-in-first-out radiologist worklist review. Critical findings may be delayed during high-volume periods, overnight, and on weekends.

Medicare beneficiaries are disproportionately affected, as older adults have higher incidence of these conditions.

## Technology Description

a2z-Unified-Triage is an AI software platform that integrates with hospital PACS infrastructure to provide automated, real-time analysis of CT abdomen and pelvis imaging studies. The system uses deep learning neural network algorithms to detect and assess 7 conditions: Acute Cholecystitis, Acute Pancreatitis, Unruptured AAA, Acute Diverticulitis, Free Air (Pneumoperitoneum), Hydronephrosis, and Small Bowel Obstruction.

Upon detection of suspected pathology, the system provides analysis results that enable client systems to generate appropriate notifications to providers. The technology is a clinical decision support tool that supplements but does not replace physician judgment. The device does not alter the original medical image and is not intended to be used as a diagnostic device.

The system supports both cloud-based and on-premises deployment and integrates via standard DICOM protocols. No additional hardware is required.

## Procedure Description

The computer-aided assessment procedure using a2z-Unified-Triage is performed in conjunction with a CT abdomen/pelvis study:

1. Image Acquisition — CT abdomen/pelvis acquired per standard protocols (with or without contrast, 2–5mm slice thickness).
2. Automated Image Transfer — Images automatically routed to a2z-Unified-Triage via DICOM, in parallel with normal PACS routing.
3. AI Analysis — Deep learning algorithms analyze CT images; completed in mean 58.39 seconds (median 55.02 seconds).
4. Assessment Output — Binary classification for each of 7 findings; DICOM instance UUIDs for key images on positive cases.
5. Worklist Prioritization — Results returned to client system; notifications generated for providers.
6. Clinical Action — Provider reviews flagged study and takes appropriate action; AI operates in parallel to standard care.

One instance per AI technology per CT study. Multiple computer-aided assessment procedures may be reported if distinct AI technologies are applied independently to the same study.

## Identification in the Medical Record

The AI-powered assessment procedure can be identified in the medical record through auditable records generated by the system.

a2z-Unified-Triage provides analysis results to the client system including binary classification outputs and DICOM instance UIDs for key images. These results enable the client system to generate notifications and create auditable records of the assessment event, including the study analyzed, findings detected, and timestamp of analysis.

The specific method of documentation in the medical record (e.g., EHR notation, PACS flag, radiology report addendum) may vary by implementing institution, consistent with the facility's existing clinical documentation workflows.

# Summary

a2z-Unified-Triage is an FDA-cleared AI software platform that provides computer-aided assessment for acute abdominopelvic pathology on CT imaging.

No existing ICD-10-PCS code captures this distinct procedure.

Requested implementation date: October 1, 2027

The requestor intends to submit one or more NTAP applications for FY 2028.