Extract Critically Ill Intensive Care Unit (ICU)+ Aspergillosis patients using:

At least one ICU stay during hospitalization
First *Aspergillus*-specific antifungal started during ICU stay

**AND**

ICD-9 CM code (primary or non-primary) = 117.3x (Aspergillosis)

**AND**

ICD-9 (primary or non-primary) = 484.6 (pneumonia)

**Exclude traditional host patients:**

- Hematologic malignancy (200.xx – 208.xx)
- AIDS/HIV (042)
- Bone marrow transplants (41.00 – 41.09)
- Heart transplant (37.51)
- Kidney transplant (55.6x)
- Liver transplant (50.5x)
- Intestine transplant (46.97)
- Lung transplant (33.5x)
- Combined heart / lung transplant (33.6)
- Aplastic anemia (284.x)
- Neutropenia (288.0x)
- Reticuloendothelial / immunity disorders (279.x) (EXCEPT 279.4 = autoimmune disease not elsewhere classified)

**Exclude patients having traits not indicative of ‘invasive’ aspergillosis:**

- Allergic Aspergillosis (bronchopulmonary, inc. sinusitis) (518.6)
- Chronic mycotic otitis externa (380.15)
- Patients discharged alive with <5 days of antifungal therapy during a hospital stay
- Patients who did not receive ANY antifungal agent

**Other exclusions:**

- Patients <18 years of age
- Patients where the antifungal delivery date is after the hospital discharge date
- Patients not having a complete hospital stay (admission and/or discharge date missing) during the time frame