**Figure 1: Study Enrollment**

Patients Diagnosed with CTEPH with CT images and reports visible in intermountain health medical records system. 1993-2022

(n=179)

Patients with no history of VTE who had CTPA in IMC or LDS ER with no PE identified. 2009-2010

(n=839)

Patients hospitalized for acute PE at IMC hospital without provocation. 2014-2016

(n=326)

Patients diagnosed with acute PE by CTPA at IMC and LDS hospitals. 2009- 2010

(n=333)

Substudy 1 Groups

Substudy 2 Groups

PE following splenectomy

Random sample of PE patients admitted to Intermountain Medical Center. 2014-2016

(n=100)

Patients with “splenectomy” by natural language processing prior to a first diagnosis code for acute PE across the Intermountain Health system, 2003-2021 (n=134)

PE without splenectomy

Excluded (n=84)

* CT imaging from initial PE unavailable (n=73)
* Not admitted inpatient (n=11)

PE without Splenectomy Group (n=100)

Final PE following Splenectomy Group (n=40)