**Figure 1**. Flowchart of procedure selection.

140,228 (88.5%)

30-day mortality missing: 6,258; 4.5%

Procedures in NHS England and Wales,

2013-2014

N=158,492

Age unknown or <18 or >100: 123; <0.1%

Sex unknown: 355; 0.2%

Bail-out/unknown indication: 1,131; 0.7%

Total: 1,584; 1.0%

156,908 (99.0%)

133,970 (84.5%)

Consultant ID missing: 3,245; 2.1%

Hospital with consultant ID missing >10%: 6,273; 4.0%

Within consultant’s first year in registry: 7,394; 4.7%

Total volume missing: 16,680; 10.6%

138,627 (87.5%)

In-hospital outcomes missing: 1,601; 1.1%

**Figure 2** – Distribution of average operator volume

**Figure 3 Operator volume versus mortality, all procedures**

**Figure 4 Operator volume versus mortality, ACS procedures**

**Figure 5 Operator volume versus mortality, primary PCI procedures**

