

## Additional file 1

### Data Extraction Form

Study ID	
Reviewer	
Date	

### Study Details

Study Title	
Author	
Year	
Journal	

### Study Description

Aims and objectives of study	
Study design	
Study setting (geographical location, time period)	
Recruitment procedures used	
Inclusion criteria	
Exclusion criteria	
Length of follow-up	

### Participant description

Participant characteristics	
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Target population and final number of subjects studies for outcome	
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Haemoglobin cut off of anaemia

Men	
Women	
Severe anaemia	
Moderate anaemia	
Mild anaemia	

Description of exposure measurements

	Yes (Y) as appropriate
Preoperative anaemia	
Postoperative anaemia	
Discharge anaemia	
Transfusion trigger	

Data on fracture and surgery

Types of Fracture	
Types of Surgery	

Data on transfusion

Proportion received red cell transfusion	
Trigger haemoglobin	
Average number of units (range or SD)	
Timing of transfusion	

## Statistical data

Statistical techniques used	
Adjustment for confounding factors	

## Main outcome measurements

	With anaemia	Comparator group	P-value
<b>Mortality</b>			
Inhospital mortality			
1-month mortality			
2-4 month mortality			
6-month mortality			
12-month mortality			
<b>Hospital Length of stay</b>			
<b>Postoperative complications</b>			
<b>Hospital Readmission</b>			
30-day readmission			
3-month readmission			
6-month readmission			
12-month readmission			

<b>Rate of permanent transfer to residential facility</b>			
<b>Quality of life</b>			
<b>Mobility</b>			