

Supplementary File 4: Characteristics of hospitals (N=4) and wards (N=36)

Characteristics	Control (n=18)	Intervention (n=18)
Hospital A		
Beds ~640	Ward 1- 26 beds Medical	Ward 1- 26 beds Medical
	Ward 2- 24 beds Surgical	Ward 2- 20 beds Medical
	Ward 3- 22 beds Surgical	Ward 3- 22 beds Medical
	Ward 4- 26 beds Specialty Medicine	Ward 4- 26 beds Specialty Medicine
	Ward 5- 26 beds Specialty Medicine	Ward 5- 36 beds Specialty Medicine & Surgical
Hospital B		
Beds ~550	Ward 1- 46 beds Specialty Medicine & Surgical	Ward 1- 46 beds Surgical
	Ward 2- 32 beds Medical	Ward 2- 36 beds Surgical
	Ward 3- 29 beds Surgical	Ward 3- 32 beds Medical
	Ward 4- 34 beds Medical	Ward 4- 28 beds Specialty Medicine
	Ward 5- 34 beds Specialty Medicine	Ward 5- 30 beds Surgical
Hospital C		
Beds ~600	Ward 1- 30 beds Specialty Medicine	Ward 1- 32 beds Specialty Medicine
	Ward 2- 32 beds Medicine	Ward 2- 32 beds Medicine
	Ward 3- 32 beds Surgical	Ward 3- 32 beds Surgical
	Ward 4- 28 beds Specialty Medicine	Ward 4- 28 beds Surgical
Hospital D		
Beds ~520	Ward 1- 28 beds Surgical	Ward 1- 24 beds Medical
	Ward 2- 20 beds Medical	Ward 2- 20 beds Surgical
	Ward 3- 30 beds Surgical	Ward 3- 36 beds Surgical
	Ward 4- 36 beds Medical	Ward 4- 36 beds Medical