

**Supplementary file 3.****Distribution neonatal deaths by age at death and facility discharge, by urbanicity category**

Neonatal deaths - distribution of age at death by urbanicity category (n=217)					
	Overall (Tanzania mainland)	Core urban	Semi-urban	Rural	p-value
Category of age in days at death (column %)					
Day of birth	37.4%	26.9%	33.8%	45.3%	0.128
Days 2-7	48.3%	68.3%	46.8%	40.9%	
Days 8-30	14.3%	4.8%	19.4%	13.8%	
Number of days at death (mean and SE)	4.1 (0.38)	2.9 (0.39)	5.1 (0.70)	3.6 (0.58)	

Time of neonatal death (before of after discharge) among most recent live births in health facilities by urbanicity category					
	Overall (Tanzania mainland)	Core urban	Semi-urban	Rural	p-value
Time of neonatal death					
Before discharge	44.9%	60.3%	27.2%	58.2%	0.045
After discharge	55.1%	39.7%	72.8%	41.8%	

**Stillbirths: Early neonatal death ratio**

Overall (Tanzania mainland)	Core urban	Semi-urban	Rural
0.85	0.52	0.93	0.94