

S1 Table. Districts and population statistics within designated time points within the study period

District/sub-district	Abbreviation	Region	2010	2012†	2013†	2014†
Accra Metropolis	AMA	Greater Accra	1665086	1771589	1827368	1884904
Ablekuma*	Able	Greater Accra (AMA)	679362	722816	745574	769049
Ashiedu Keteke*	AshK	Greater Accra (AMA)	117525	125042	128979	133040
Ayawaso*	Ayaw	Greater Accra (AMA)	396487	421847	435129	448830
Okaikoi*	Okai	Greater Accra (AMA)	349989	372375	384100	396193
Osu Klottey*	OsuK	Greater Accra (AMA)	121723	129509	133586	137792
Kpeshie	Kpes	Greater Accra	411460	437778	451562	465779
Adenta Municipal	AdeM	Greater Accra	78215	83218	85838	88541
La-Nkwantanang Madina Municipal	LaNM	Greater Accra	111926	119085	122835	126702
Ga Central Municipal	GaCM	Greater Accra	117220	124718	128644	132695
Ga East Municipal	GaEM	Greater Accra	147742	157192	162141	167246
Ga South Municipal	GaSM	Greater Accra	411377	437690	451471	465685
Ga West Municipal	GaWM	Greater Accra	219788	233846	241209	248804
Mamprusi East	MamE	Northern	121009	128235	132008	135893
Tamale Metropolis	TamM	Northern	371351	393526	405106	417026
Gomoa East	GomE	Central	207071	220316	227252	234408
Agona West Municipal	AgWM	Central	115358	122737	126601	130587
Ewutu Senya	AwuS	Central	195306	207798	214341	221089

The last population census conducted in Ghana was in 2010. As a results, to obtain the population statistics for the period 2012 to 2014 (columns 5 to 7) we used the exponential growth rate formulae as described in methods. The intercensal growth rates used per region were: Greater Accra (3.1%), Central region (3.1%), Northern region (2.9%).

*sub-districts within AMA; †Projected population from 2010 population census data.