



Handpump Data, Selected Countries in Sub-Saharan Africa

April 21, 2009

Country	Informant	Estimated Rural Pop. (millions) ¹	Estimated Rural Coverage ¹	Estimated Rural Unserved ¹	Estimated % Served by Handpumps	Estimated Number using Handpumps	Total # Handpumps	# Functioning Handpumps	# Non-Funct. Handpumps	% Non-Functioning	Notes
Angola	Dauda	8.6	40%	5.2	90%	3.10	4,500	3,150	1,350	30%	UNICEF estimate
Benin	S Adokpo	3.7	60%	1.5	45%	1.00	6,700	5,200	1,500	22%	
Burkina Faso		10.5	44%	5.9	62%	2.86	22,400	16,800	5,600	25%	UNICEFCountry Profiles
Cameroon	J.Rihouey	7.7	41%	4.5	50%	1.58	9,000	6,750	2,250	25%	Estimate J. Rihouey
DRC	G. Kazad	35.3	29%	25.1	4%	0.41	1,500	500	1,000	67%	approx. 60% use springs
Ethiopia	B.Muluneh	58.7	11%	52.2	30%	1.94	30,046	19,667	10,379	35%	DHS 2000/HP # calculated
Cote d'Ivoire		9.2	74%	2.4	80%	5.45	19,500	6,825	12,675	65%	UNICEFCountry Profiles
Guinea		5.5	38%	3.4	85%	1.78	12,500	10,000	2,500	20%	UNICEFCountry Profiles
Kenya	P. Nduati	19.6	46%	10.6	15%	1.35	12,000	8,400	3,600	30%	DHS 2003/Estimates
Liberia		1.7	52%	0.8	75%	0.66	1,350	420	930	31%	UNICEFCountry Profiles 90% functioning rate includes other service types
Madagascar	R.Herivelo	12.5	34%	8.3	19%	0.81	2,500	2,250	250	10%	
Malawi		10.0	62%	3.8	77%	4.77	19,000	11,400	7,600	40%	MICS 2000 + 2006/WHO
Mali	S.Sutton	8.6	35%	5.6	50%	1.51	14,200	9,400	4,800	34%	Unicef summaries/Est.
Mozambique	J.Narkevic	12.6	24%	9.6	82%	2.48	17,000	12,700	4,300	25%	Nat. Water Directorate Data
Niger	I. Sanoussi	9.0	36%	5.8	56%	1.81	7,175	5,025	2,150	35%	Min. Hydraulics 2005 for # HP
Nigeria	B.Aleobua	65.3	49%	33.3	35%	11.20	80,000	40,000	40,000	50%	JMP and UNICEF sources/Est.
Sierra Leone		3.0	46%	1.6	55%	0.76	2,500	875	1,625	65%	Unicef summaries/Est./MICS2005
Uganda	S.Mutono	22.0	52%	10.6	60%	6.86	30,000	24,000	6,000	20%	
Zambia	P. Harvey	7.0	36%	4.5	54%	1.36	15,000	10,200	4,800	32%	MLGH estimate
Zimbabwe	P.Morgan	8.5	74%	2.2	60%	3.77	38,200	26,800	11,400	30%	UNICEF inventory/estimate
Totals		319	38%	197	45%	55.5	345,071	220,362	124,709	36%	

¹ = JMP 2004 (Joint Monitoring Program)

Est. = Estimates made where number of handpumps not clearly stated, but assumed to include both boreholes and protected wells.

HP # Calculated = Actual number of handpumps not inventoried, but number estimated by dividing total population served with handpumps by 250 persons per handpump.

DHS = Demographic and Health Survey (year of survey in parenthesis)

UNICEF Country Profiles = Country Profiles for Water and Sanitation, West and Central Africa, UNICEF (2005)