



NATIONAL POPULATION COUNCIL
 P. O. Box MB 666, Accra, Ghana, West Africa
 Tel: 233-21-665944/665713; Fax: 662249
 Website: <http://www.npcghana.org>
 E-mail: npcsect@4u.com.gh

FACT SHEET NO. IV
 (SEPTEMBER 2006)
POPULATION, WATER AND SANITATION

Introduction

Availability of adequate potable water as well as good sanitary conditions are requirements for good health in any society. In order to illustrate the water and sanitation situation in Ghana, Fact Sheet No. IV presents data on sources of drinking water, disposal of solid and liquid waste, and access to toilet facilities at national, regional and district levels from the 2000 Population and Housing Census. The information presented will assist policy makers and planners at various levels to adopt strategies that will address the issues.

Main Source of Drinking Water

Adequate supply of safe water for drinking, cooking, bathing and laundry is a major challenge facing the country. Availability of safe water for domestic use impacts positively on personal and household hygiene, hence the health status of the populace. Data provided in the fact sheet indicate that a large proportion of households in the country do not have access to potable water. About 42% of households obtain water from unprotected sources such as wells, springs, rain water, rivers, streams and dug-outs. Forty percent have access to pipe-borne water and about 16% obtain water from boreholes. Regional variations of households that obtain water from unprotected sources range from 10.3% in Greater Accra to 73.3% in Upper West Region.

Solid Waste Disposal

The country is faced with the problem of haphazard disposal of solid waste, which has led to pollution of the environment and exposure of the population to numerous health hazards. The indiscriminate disposal of solid waste poses a challenge, since it leads to choked drains thus creating conditions for the breeding of mosquitoes and for the incidence of malaria and other preventable diseases to rise. Twenty-five percent of households dump their solid waste indiscriminately while nearly 58% deposit their solid waste at public dumping sites. Only 5% of households have their solid waste collected, 8% burn and 4% bury their solid waste. The situation is similar in the regions except in

National/Regional/District	Households by Main Source of Drinking Water (%)								Household Solid Waste Disposal by Method (%)					Household Liquid Waste Disposal by Method (%)				Household Access to Toilet Facility by Type (%)										
	Pipe borne inside	Pipe borne outside	Tanker supply	Well	Bore-hole	Spring/Rain water	River/Stream	Dug out	Other	Collected	Burned	Public dump	Dumped elsewhere	Buried	Other	Sewerage system	Street/Outside	Gutter	Compound	Other	Water closet	Pit latrine	KVIP	Bucket/Pan	Facility in another house	Public toilet	No facility	Other
National	14.3	25.6	2.2	16.6	16.4	4.4	16.2	4.0	0.3	4.8	7.9	57.6	25.0	3.9	0.9	4.5	39.0	21.1	34.6	0.8	8.5	22.0	6.9	4.0	6.9	31.4	20.0	0.2
WESTERN	8.9	23.2	0.7	23.2	14.2	4.4	24.1	1.5	0.2	2.2	4.8	59.6	28.6	4.0	1.1	3.2	34.6	23.7	36.6	2.0	7.2	39.4	5.7	2.7	7.5	34.2	12.0	0.3
Jomoro	1.3	15.5	0.5	32.9	14.8	3.1	31.2	0.7	0.0	0.4	4.0	45.8	46.5	2.5	0.8	0.7	66.1	3.2	28.9	1.1	2.4	20.9	10.2	1.1	1.7	20.0	43.4	0.4
Nzema East	2.2	10.6	0.3	32.1	14.5	3.4	36.3	0.6	0.0	1.2	3.9	55.9	35.3	2.7	1.0	2.0	41.1	16.5	39.3	1.1	2.6	35.6	5.9	1.8	2.0	26.8	25.1	0.5
Ahanta West	2.9	14.4	2.2	28.5	28.6	5.7	16.0	1.5	0.1	1.7	5.6	62.9	25.8	3.0	0.9	1.2	38.0	16.4	42.9	1.5	2.3	13.8	6.1	1.8	4.9	29.5	41.5	0.2
Shama-Ahanta-East Metropolis	27.3	59.7	0.7	7.8	1.2	1.4	1.3	0.3	0.3	4.0	5.6	75.2	9.4	3.0	2.9	9.9	13.6	55.7	17.8	2.9	23.0	7.5	4.8	2.5	6.2	45.9	9.8	0.2
Mpohor-Wassa East	2.0	9.3	0.2	14.8	30.4	4.1	38.3	0.9	0.1	1.5	2.8	63.1	29.2	2.8	0.6	1.3	34.6	15.0	48.6	0.5	2.0	44.5	4.9	1.6	3.0	35.3	8.5	0.1
Wassa West	6.1	34.3	0.6	14.5	11.0	5.3	27.2	0.9	0.2	2.7	3.0	61.4	26.9	5.5	0.5	2.3	27.5	35.5	34.3	0.5	4.7	22.8	6.0	8.4	10.1	41.9	5.9	0.3
Wassa Amenfi	1.7	11.1	0.6	19.1	23.5	4.6	37.4	1.8	0.2	1.5	4.7	51.1	38.2	4.3	0.2	1.0	42.0	11.5	44.9	0.2	0.8	43.5	3.8	1.5	12.1	34.3	3.8	0.3
Aowin-Suaman	1.2	7.2	0.3	20.4	10.1	7.1	49.7	3.8	0.1	0.4	3.0	37.6	52.5	5.2	1.3	2.5	29.4	9.4	58.1	0.7	1.1	57.9	2.7	1.0	2.0	25.7	9.3	0.3
Juabeso-Bia	8.7	3.3	1.2	43.6	11.8	4.5	22.3	4.1	0.4	2.8	7.1	46.0	37.0	5.9	1.2	0.8	37.8	6.6	46.7	8.1	7.6	48.2	9.9	1.7	13.2	16.0	3.0	0.4
Sefwi-Wiaso	1.1	6.8	0.5	35.0	19.1	7.6	27.6	2.1	0.2	0.4	3.9	64.9	26.2	4.3	0.3	0.6	48.6	9.3	40.8	0.7	1.2	45.0	4.7	1.8	10.1	33.6	3.6	0.1
Bibiani-Anhwaso-Bekwai	2.0	9.9	1.2	39.3	20.9	7.1	17.5	1.8	0.3	2.5	3.3	68.7	22.0	3.3	0.1	0.9	53.9	13.6	31.5	0.1	1.7	27.8	4.1	2.4	7.0	45.9	10.9	0.1
CENTRAL	9.4	40.6	4.9	11.5	17.3	2.7	11.0	2.4	0.2	0.8	6.4	69.3	19.9	2.6	0.9	2.0	41.0	20.4	35.5	1.1	4.9	25.1	7.0	2.8	4.4	37.6	18.0	0.2
Komenda-Edina-Eguafo-Abirem	11.2	61.1	1.9	11.8	5.9	1.1	4.4	2.5	0.1	0.9	4.9	72.7	17.8	1.3	2.4	2.0	35.4	22.4	36.6	3.6	6.0	13.5	6.5	3.9	1.9	39.6	28.6	0.1
Cape Coast Municipality	37.7	59.1	0.3	1.0	0.8	0.4	0.3	0.1	0.2	1.9	9.1	73.6	11.0	2.9	1.5	8.6	14.1	52.1	23.1	2.1	24.5	7.0	6.0	5.2	2.3	45.0	9.2	0.7
Abruri-Asesaba-Kwamankese	4.1	45.6	0.6	7.0	33.2	3.4	4.0	2.0	0.0	0.9	5.1	77.9	11.7	2.0	2.3	1.5	48.6	19.9	28.5	1.5	1.9	22.9	5.7	1.4	3.4	37.1	27.5	0.1
Mfantiman	14.4	51.1	2.8	7.7	9.9	1.8	8.3	3.3	0.5	0.2	9.6	66.4	20.5	1.6	1.7	1.4	50.8	16.7	28.3	2.8	4.4	17.3	5.4	4.4	2.0	33.2	33.3	0.1
Somso	5.9	60.9	17.5	4.4	2.3	0.9	5.6	2.4	0.1	0.2	5.2	74.5	17.3	2.0	0.8	1.0	51.8	10.6	36.2	0.5	1.9	21.5	8.2	1.1	1.9	36.4	28.9	0.1
Awufo-Effutu-Senya	10.3	32.8	20.9	15.7	4.9	1.3	9.2	4.6	0.2	1.2	14.4	61.2	19.3	3.2	0.7	4.2	29.8	16.2	49.4	0.3	5.5	17.3	11.4	5.9	4.2	31.2	24.3	0.2
Agoña	13.1	60.5	0.4	4.1	8.1	1.5	10.0	2.2	0.0	2.1	4.6	80.5	11.2	1.4	0.2	1.6	42.0	32.7	23.5	0.2	5.4	26.9	7.5	2.8	2.8	46.3	8.3	0.0
Asikuma-Odoben-Brakwa	0.9	10.3	0.3	16.6	37.4	6.9	26.5	1.1	0.1	0.8	3.5	77.9	15.1	2.2	0.4	0.5	53.4	16.8	28.1	1.2	0.9	30.4	8.0	0.8	5.7	48.5	5.4	0.3
Ajumako-Enyan-Esiam	3.6	49.1	0.7	15.2	7.8	3.4	14.6	5.6	0.1	0.2	3.7	84.0	9.5	2.4	0.3	0.5	59.4	17.0	22.1	1.0	1.4	23.8	7.2	0.9	8.2	45.7	12.5	0.3
Assin	0.4	4.6	0.5	28.7	39.9	5.1	19.0	1.7	0.1	0.3	5.9	56.0	32.5	4.7	0.6	0.8	39.3	11.3	48.1	0.5	0.9	41.6	7.7	1.3	8.6	28.8	11.0	0.2
Twifo-Heman-Lower Denkyira	0.8	9.2	0.2	17.7	39.0	6.3	25.3	1.5	0.1	0.2	3.5	50.1	41.5	4.6	0.1	0.5	29.7	8.9	60.6	0.2	1.2	47.8	4.1	0.8	9.5	29.3	7.2	0.1
Upper Denkyira	4.4	25.1	0.3	10.0	41.7	3.8	13.4	1.0	0.2	0.8	3.0	62.6	30.7	2.8	0.1	0.7	42.2	21.4	35.2	0.5	2.6	37.5	3.1	3.7	5.1	38.7	9.1	0.1
GT. ACCRA	35.9	45.0	7.3	5.4	1.1	1.4	1.6	1.9	0.5	19.5	12.2	51.4	11.5	4.6	0.7	14.4	19.3	38.9	26.7	0.7	22.1	11.2	10.1	9.1	8.7	27.0	11.5	0.3
Accra Metropolis	43.6	47.1	3.1	4.4	0.3	1.0	0.1	0.3	0.3	20.9	6.9	62.7	5.8	3.1	0.7	13.0	16.7	53.2	16.6	0.6	23.2	6.1	11.7	12.7	9.3	32.7	4.1	0.2
Asa	20.8	36.8	19.2	5.7	4.1	2.8	5.0	4.8	0.8	12.0	24.5	33.9	21.6	7.7	0.3	11.3	25.1	12.1	50.7	0.8	18.3	30.3	11.6	2.9	5.8	12.5	18.3	0.3
Tema	36.3	49.6	6.9	3.4	0.5	1.3	0.1	1.1	0.8	29.5	11.6	37.9	13.7	5.9	1.4	27.6	16.0	31.9	23.9	0.6	29.2	5.4	5.2	4.8	10.7	27.5	16.9	0.4
Dangbe West	12.0	52.2	3.3	10.7	0.8	1.2	11.6	8.0	0.3	2.1	21.0	37.8	32.8	5.3	0.9	1.5	32.8	5.3	59.3	1.0	3.7	20.9	2.8	4.5	8.2	16.0	43.8	0.2
Dangbe East	2.2	22.2	21.2	29.5	1.0	2.3	7.9	13.3	0.4	0.4	33.7	32.0	26.2	7.4	0.3	0.9	41.3	1.2	54.2	2.4	1.7	11.8	4.1	6.2	7.3	15.7	53.1	0.1
VOLTA	4.6	20.3	0.7	23.0	9.3	5.8	25.7	10.1	0.5	2.4	12.9	46.5	31.6	5.8	0.8	1.3	41.4	9.6	46.7	1.0	2.5	28.6	6.1	4.8	11.1	21.9	24.7	0.2
South Tongu	2.0	33.6	0.5	13.1	1.4	0.7	37.4	10.9	0.2	1.3	35.9	30.6	25.1	6.5	0.6	0.6	43.7	1.5	53.9	0.4	1.6	29.4	2.4	3.6	23.6	20.5	18.6	0.3
Keta	4.1	34.6	0.6	47.4	2.0	1.6	8.1	1.0	0.5	1.8	15.4	44.0	28.8	9.2	0.8	0.7	63.0	1.4	34.2	0.6	2.3	8.8	7.8	6.2	1.8	26.5	46.5	0.1
Ketu	2.7	9.9	0.6	57.0	5.6	10.8	2.7	9.4	1.3	2.3	8.7	33.4	46.2	8.4	1.0	0.6	43.2	1.9	53.5	0.7	1.6	27.2	5.6	8.0	12.1	16.4	28.7	0.4
Akatsi	0.6	6.9	1.9	23.5	11.4	5.1	15.7	34.1	0.8	2.2	18.9	32.6	37.7	7.7	0.9	0.3	32.5	2.3	63.1	1.7	0.5	40.3	14.5	5.0	5.0	18.8	13.8	2.1
North Tongu	3.4	27.4	0.5	9.2	8.0	2.2	28.1	20.8	0.3	4.9	17.3	35.2	38.5	3.9	0.2	2.2	45.4	5.6	45.4	1.4	2.5	42.5	10.6	1.0	5.3	18.5	19.5	0.1
Ho	12.0	28.3	0.7	12.6	10.0	5.3	22.3	8.3	0.3	1.7	11.9	61.6	19.0	4.8	1.0	3.8	36.8	15.3	42.4	1.6	7.5	26.5	5.6	5.1	9.5	29.5	16.1	0.2
Kpandu	8.4	33.5	0.7	5.0	17.2	6.9	19.9	8.2	0.2	1.3	16.0	58.5																

the three northern regions where over half of households dispose of their solid waste indiscriminately (Northern 55.3%, Upper East 55.2% and Upper West 65.6%).

Liquid Waste Disposal

Poor drainage and indiscriminate disposal of liquid waste result in water logging and stagnant pools and pose health threats in communities. Almost 95% of households dispose of liquid waste onto streets, gutters or compounds and only 5% utilise sewerage system. The pattern is the same in the regions except in Brong Ahafo and the three northern regions where gutters do not feature significantly. Streets and compounds are therefore the major recipients of liquid waste in these regions.

Access to Toilet Facility

Twenty percent of households have no access to toilet facilities and household members may be presumed to defecate in nearby bushes or on the beach. About 33% of households use public toilets while 22% have access to pit latrines. Only 9% of households have access to water closet. Non-availability of water may be a major factor that restricts the use of this type of toilet facility. In the regions, the proportion of households that have no access to toilet facilities varies from 5.4% in Eastern Region to 78.0% in Upper East Region.

Policy Interventions

Access to safe water and proper environmental sanitation are important determinants of healthy living. Many of the major causes of morbidity and mortality are preventable communicable diseases. The pattern in environmental sanitation indicators reflect the level of development in the regions. In the three northern regions, and in most parts of the country, the situation of environmental sanitation is not encouraging. Strategies must be put in place to enhance the general economic empowerment of families. This will enable them to provide better housing with potable water, proper toilet facilities and relatively improved living conditions to ensure better healthy living. The practice where health inspectors went round to ensure hygienic environment needs to be revitalised. Their services are needed to ensure the upkeep of good and clean environment.

Suhum-Krboaa-Coallar	3.6	10.6	0.5	30.1	16.7	3.1	30.4	5.0	0.1	0.8	10.9	54.4	30.5	3.1	0.4	0.9	39.3	13.9	45.7	0.3	1.4	56.2	6.7	1.1	4.9	27.1	2.6	0.0
East Akim	4.9	14.6	0.4	20.3	23.6	5.7	29.7	0.7	0.1	1.6	9.4	55.2	25.6	7.6	0.6	1.0	31.0	15.4	52.4	0.2	2.7	38.7	7.9	5.2	15.2	28.0	2.3	0.1
Fanteakwa	1.2	2.7	0.1	15.3	17.2	4.0	54.5	4.7	0.1	1.4	10.8	41.9	40.6	4.9	0.4	1.4	21.4	8.1	68.8	0.2	1.2	58.9	8.5	2.8	4.6	21.0	3.0	0.0
New Juaben Municipality	39.0	29.9	0.8	19.6	1.3	2.2	6.4	0.6	0.2	2.1	11.4	70.0	11.0	5.2	0.2	6.9	23.0	44.1	25.2	0.9	17.7	16.2	6.6	15.3	3.5	39.5	1.2	0.1
Akwapim South	14.8	22.4	1.7	23.7	10.7	7.2	15.6	3.4	0.4	1.2	10.9	66.2	14.4	6.5	0.8	2.2	30.8	24.4	42.1	0.5	4.6	23.4	4.7	10.0	20.9	32.6	3.6	0.2
Akwapim North	11.8	27.8	1.3	15.3	8.9	6.8	23.9	4.0	0.1	0.7	20.8	54.4	17.9	5.9	0.4	3.0	30.5	17.0	48.9	0.7	5.5	37.5	8.4	9.1	7.0	30.6	1.7	0.2
Yilo Krobo	9.7	25.2	0.8	17.7	5.9	5.7	31.9	3.0	0.1	0.7	19.8	40.7	31.8	5.0	1.9	1.2	31.4	11.0	55.8	0.7	3.3	55.4	3.7	5.5	3.4	27.1	1.7	0.1
Manya Krobo	7.9	34.1	0.7	18.7	10.7	5.0	19.7	3.0	0.2	2.2	13.6	42.0	30.7	6.1	5.4	1.6	26.7	12.9	58.2	0.5	2.7	39.4	3.7	6.6	20.3	24.8	2.3	0.2
Asuogyaman	13.0	28.9	0.9	28.2	7.2	3.6	14.7	3.1	0.5	11.1	14.2	44.0	23.1	6.8	0.8	7.1	22.0	12.5	58.3	0.2	10.1	23.7	4.7	5.1	21.0	26.8	8.4	0.1
Afram Plains	2.7	2.2	0.5	4.9	26.6	15.2	36.5	11.0	0.3	3.4	12.3	29.2	48.9	5.5	0.8	0.4	19.0	2.1	78.0	0.5	0.8	47.0	4.3	0.5	3.5	15.2	28.6	0.1
Kwahu South	6.3	14.7	0.5	26.8	18.2	5.2	25.6	2.5	0.1	1.5	6.9	62.5	22.0	6.8	0.3	1.2	36.7	19.7	42.0	0.4	3.3	25.7	9.2	6.7	17.1	30.7	7.1	0.1
ASHANTI	19.3	20.7	0.7	17.5	22.5	3.7	14.1	13	0.2	1.3	3.3	78.9	13.4	2.6	0.4	3.8	39.5	28.4	28.0	0.4	11.6	29.5	7.7	2.8	5.5	46.3	5.5	0.2
Akwime	8.0	29.1	0.5	16.2	19.6	1.9	23.0	1.6	0.1	0.2	3.2	78.8	14.1	3.3	0.3	1.3	56.7	10.4	31.2	0.4	3.1	29.0	4.2	1.9	4.9	51.6	5.1	0.2
Anansie West	2.9	4.3	1.0	13.0	51.9	13.7	11.5	1.3	0.3	0.8	2.2	85.4	8.4	2.9	0.3	0.7	62.2	6.7	29.1	1.2	2.3	28.6	5.1	0.8	4.1	48.4	10.5	0.1
Anansie East	3.8	6.7	0.3	18.9	4.1	4.0	16.1	2.9	0.3	0.2	2.4	87.1	8.3	1.8	0.3	0.6	57.1	10.1	32.0	0.2	1.4	24.9	4.4	1.4	5.8	59.1	2.9	0.1
Adansi West	11.6	24.6	0.8	26.3	23.9	4.2	7.6	0.9	0.1	4.1	2.8	79.1	11.2	2.5	0.4	3.7	32.3	40.0	23.6	0.4	11.6	17.1	5.2	1.7	7.0	48.5	8.8	0.1
Adansi East	0.3	3.7	0.3	23.2	27.5	7.5	34.6	2.9	0.1	0.4	3.5	66.6	24.1	4.1	1.3	0.3	47.5	7.4	44.4	0.4	0.8	43.8	6.4	1.1	6.7	37.0	4.1	0.1
Asante-Akim-South	0.2	5.9	0.4	28.9	34.8	2.7	25.8	1.3	0.0	0.4	3.4	66.6	25.9	3.6	0.1	0.4	49.6	6.6	43.2	0.2	0.7	36.1	8.2	2.5	15.2	38.1	4.4	0.2
Asante-Akim North	2.9	26.7	0.2	23.5	21.7	2.6	22.0	0.4	0.0	0.9	2.3	73.1	21.4	2.0	0.2	0.8	52.9	9.3	36.7	0.3	3.0	23.2	18.3	2.2	3.2	44.8	5.3	0.1
Jisu-Juaben	1.4	5.5	0.9	36.5	33.2	10.8	10.9	0.7	0.1	0.3	4.2	80.8	8.8	4.5	0.3	1.3	67.5	8.7	22.2	29.3	3.5	20.1	5.5	1.1	3.9	59.9	5.7	0.3
Bosomtwe-Akwima-Kwanwo	0.8	6.2	1.6	24.8	52.9	4.4	6.7	2.5	0.1	0.4	3.5	85.3	14	3.9	1.4	0.7	59.8	10.0	29.3	0.3	0.6	1.9	17.3	4.5	5.6	64.6	5.3	0.1
Kumasi Metropolis	48.8	33.7	0.8	11.5	1.8	1.0	1.5	0.5	0.3	2.2	3.6	81.2	10.1	2.4	0.6	8.8	14.2	58.7	18.0	0.3	27.8	12.0	9.3	5.3	5.6	36.8	2.9	0.2
Kwabre	3.1	12.9	0.4	28.5	36.2	4.1	13.0	1.7	0.1	0.1	3.5	80.5	13.1	2.5	0.3	1.5	56.3	13.3	28.0	0.9	4.3	21.3	8.7	0.9	4.3	52.5	7.9	0.1
Afiga Sekyere	1.7	11.8	0.6	17.9	21.0	7.5	37.2	2.1	0.2	0.6	3.3	75.9	17.6	2.5	0.2	0.7	62.6	8.8	27.9	0.1	1.3	22.3	10.3	1.8	7.6	51.7	5.2	0.1
Sekyere East	1.4	4.0	1.1	15.5	38.9	5.4	32.1	1.1	0.1	0.2	3.4	70.3	23.5	2.3	0.3	0.8	43.2	10.2	45.5	0.3	1.3	23.5	11.4	1.4	3.3	45.8	13.1	0.2
Sekyere West	11.7	13.8	0.6	7.9	19.0	4.2	40.8	1.7	0.3	1.1	2.4	75.3	17.5	3.1	0.5	1.4	49.9	15.6	32.9	0.2	5.6	21.2	7.3	1.8	4.3	49.8	9.7	0.3
Ejura Sekyidumase	0.8	8.4	0.2	14.2	50.1	4.2	21.8	0.2	0.0	0.9	3.7	70.0	22.4	2.6	0.5	0.6	56.1	5.9	37.4	0.1	1.2	16.3	7.1	2.8	7.3	49.7	15.3	0.3
Offinso	3.4	35.9	0.7	15.7	15.9	4.2	22.5	1.5	0.1	0.6	3.2	79.1	15.3	1.7	0.1	1.1	45.3	7.3	45.9	0.3	1.5	29.3	6.8	1.0	3.4	48.4	9.4	0.2
Ahafo-Ano-South	0.4	1.3	0.2	13.6	55.4	3.1	22.6	3.3	0.1	1.3	2.4	81.6	13.7	1.9	0.3	0.2	57.4	6.4	35.7	0.3	0.5	26.4	2.7	0.2	2.1	63.5	4.3	1.3
Ahafo-Ano-North	2.0	12.8	0.2	17.2	40.4	3.5	22.2	1.7	0.1	1.1	2.9	72.4	19.8	2.1	1.7	0.8	48.7	6.9	42.6	1.0	0.9	39.6	7.1	1.9	5.6	43.9	0.8	0.1
B. AHAFO	5.1	18.4	0.7	15.6	25.3	5.6	26.2	3.1	0.1	0.9	3.4	70.3	22.6	2.4	0.4	1.3	54.6	7.3	36.5	0.3	3.0	31.8	7.7	1.0	2.3	39.7	14.5	0.1
Asunafo	1.2	9.7	0.5	33.3	18.6	6.3	27.7	2.6	0.1	0.5	3.4	66.6	24.5	3.7	1.3	1.6	50.1	7.5	40.5	0.3	1.3	43.6	6.2	1.9	4.5	38.4	4.1	0.1
Asubi	1.0	8.8	0.4	35.8	24.7	6.3	20.2	2.7	0.0	0.5	5.2	69.0	21.6	3.5	0.2	0.6	58.9	5.4	34.7	0.4	0.9	34.8	11.3	1.5	3.0	45.0	3.5	0.0
Tano	3.2	30.4	0.2	14.5	26.9	2.5	20.1	2.0	0.0	0.4	4.2	76.1	18.0	1.0	0.3	0.6	64.0	8.0	29.1	0.3	1.6	33.0	10.4	2.2	2.1	45.8	4.8	0.1
Sunyani	22.3	32.7	0.3	11.7	14.3	2.9	13.8	1.9	0.1	0.9	6.4	70.0	19.1	3.3	0.2	2.7	43.5	17.0	36.6	0.2	12.8	32.4	7.8	1.2	1.7	40.6	3.4	0.1
Dormaa	3.7	27.5	0.4	25.2	25.4	5.3	8.9	3.6	0.1	0.3	3.3	79.3	14.0	2.9	0.3	1.2	63.3	3.7	31.6	0.3	2.2	32.4	5.8	0.5	3.1	50.1	5.9	0.0
Jaman	1.9	5.7	0.1	13.4	62.3	11.2	4.0	1.3	0.1	0.4	2.5	87.8	7.7	1.4	0.1	1.7	62.7	3.4	32.0	0.2	1.6	33.5	4.7	0.4	3.1	47.3	9.4	0.1
Berekum	14.6	24.5	0.9	16.3	35.9	2.5	3.7	1.2	0.4	3.3	2.0	78.7	13.8	2.1	0.2	1.2	52.9	8.9	36.9	0.1	5.6	32.1	12.3	0.8	4.4	40.9	3.8	0.0
Wenchi	3.8	20.6	3.5	3.5	33.0	6.8	26.8	2.1	0.0	1.0	2.5	71.6	23.9	1.0	0.1	0.6	64.1	5.6	29.5	0.2	1.9	30.5	5.1	1.0	1.6	37.6	22.4	0.0
Techiman	4.5	42.0	0.3	4.7	6.6	2.1	38.9	0.8	0.1	0.8	1.3	85.2	11.3	1.1	0.3	1.7	57.2	7.8	33.2	0.2	2.5	34.1	13.4	0.4	2.0	43.8	3.8	0.0
Nkoranza	0.6	5.5	0.1	2.0	29.2	9.9	52.5	0.2	0.0	0.3	2.9	72.1	22.1	2.4	0.3	0.5	63.9	4.3	31.2	0.1	1.0	31.4	6.5	0.4	1.2	42.2	17.2	0.1
Kintampo	0.7	2.4	0.5	20.4	5.9	11.7	52.5	5.8	0.2	2.2	3.0	55.5	36.7	1.9	0.6	1.6	52.7	7.7	34.4	0.6	1.2	29.1	6.2	1.1	0.8	28.0	33.5	0.1
Atebubu	1.2	2.5	0.8	19.4	28.9	1.4	37.8	8.0	0.1	1.2	3.4	45.8	45.7	3.6	0.3	0.9	43.8	6.3	48.6	0.3	1.2	17.6	4.2	1.2	0.9	25.7	49.1	0.2
Sene	0.4	4.0	0.1	3.7	40.3	5.5	33.1	12.8	0.0	0.7	5.0	41.5	48.8	3.6	0.3	0.4	24.8	7.0	67.2	0.6	0.4	21.3	10.3	0.4	1.5	23.2	42.6	0.1
NORTHERN	7.6	14.8	0.9	12.6	17.0	4.4	22.8	19.6	0.3	2.1	9.4	30.4	55.3	2.5	0.3	2.0	62.7	8.5	26.3	0.5	2.5	1.9	2.3	1.6	1.0	14.5	75.9	0.2
Bole	2.0	8.5	0.3	6.4	48.6	10.7	14.1	9.0	0.5	1.2	3.0																	

Bawku East	3.9	7.4	0.7	30.0	38.0	10.9	6.0	2.6	0.5	2.7	15.3	12.0	60.0	9.3	0.7	5.8	48.5	8.0	35.6	2.0	1.4	1.7	2.2	1.9	10.3	8.6	73.3	0.6
UPPER WEST	4.5	11.0	0.6	47.8	18.6	13.1	7.6	4.5	0.3	2.3	4.6	21.1	65.6	6.0	0.3	2.3	67.4	4.8	25.0	0.5	2.5	2.5	4.3	1.9	9.1	10.1	69.1	0.5
Wa	6.2	16.1	1.0	34.9	13.1	11.4	9.3	7.8	0.2	2.4	5.7	30.1	56.0	5.6	0.1	3.0	69.6	7.9	19.3	0.2	3.7	2.0	3.9	1.9	9.0	15.1	63.8	0.6
Nadowli	1.4	4.5	0.3	60.7	6.7	16.9	7.0	2.4	0.1	1.1	4.3	3.4	88.3	2.5	0.3	1.5	73.5	2.4	22.5	0.1	1.3	2.6	6.3	0.2	0.5	6.0	82.8	0.2
Sissala	5.9	9.6	0.6	53.4	6.9	15.6	5.7	2.1	0.2	0.8	4.2	41.2	47.6	6.1	0.2	1.0	61.7	4.4	32.3	0.6	3.0	1.6	2.9	1.7	11.4	4.4	74.5	0.4
Jirapa-Lambussie	2.7	6.7	0.4	58.2	12.8	7.3	8.5	3.2	0.2	3.0	3.1	10.8	71.4	11.3	0.4	2.6	60.7	1.8	33.5	1.4	1.3	1.6	2.7	4.6	23.5	6.0	59.6	0.6
Lawra	3.8	10.9	0.4	51.2	9.1	17.8	4.7	1.9	0.2	3.6	4.2	11.2	75.7	4.5	0.8	2.3	67.7	2.9	26.7	0.4	1.7	5.0	6.3	0.7	0.6	10.3	74.9	0.4

Source: Ghana Statistical Service, 2000 Population and Housing Census, Analysis of District Data and Implications for Planning

Dynamics of Water Availability per Capita (m³/persons) in the Volta, South-Western and Coastal Basins (2000-2025)

Year	Volta Basin						South-Western Basin				Coastal Basin				Total Country			
	Population	Maximum Availability of Water (average amount of water available per person per year in cubic metres)			Population	Maximum Availability of Water (average amount of water available per person per year in cubic metres)			Population	Maximum Availability of Water (average amount of water available per person per year in cubic metres)			Population	Maximum Availability of Water (average amount of water available per person per year in cubic metres)				
		Achievable Level of Use				Achievable Level of Use				Achievable Level of Use				Achievable Level of Use				
		100 percent	30 percent	20 percent		100 percent	30 percent	20 percent		100 percent	30 percent	20 percent		100 percent	30 percent	20 percent		
2000	7,318,974	3,303	991	661	6,354,458	2,065	620	413	5,238,648	403	121	81	18,912,080	2,084	625	417		
2005	8,263,590	2,925	878	585	7,058,923	1,859	558	372	5,841,987	361	108	72	21,134,500	1,865	560	373		
2010	9,266,229	2,609	783	522	7,811,783	1,680	504	336	6,380,590	331	99	66	23,458,808	1,980	594	396		
2015	10,354,110	2,335	700	467	8,615,450	1,525	457	305	6,980,590	302	91	60	25,950,150	1,519	456	304		
2020	11,518,779	2,099	630	420	9,380,391	1,399	420	280	7,612,658	277	83	55	28,511,828	1,382	415	276		
2025	12,806,376	1,888	566	378	10,238,838	1,282	386	256	8,266,218	255	77	51	31,311,432	1,259	378	252		

Source: Gaisie S. K. & Gyawu-Boakyee P., Population Growth, Water/Sanitation and Health