

Appendix A: Benin Outlet Type Descriptions

Outlet Types	N	Description
Public Health Facilities	38	
Referral hospital (health zone)	2	Government-run health facilities that provide prescription medicine following medical consultation or diagnosis. Fees are usually charged for consultations and medicines. Arrondissement health centres are the first-level of facility-based public health care, and are usually staffed by nurses, a midwife, and auxiliary staff; they usually include a dispensary and maternity. Commune health centres - the next level - are usually staffed by a doctor, nurses, and midwives. Across Benin's 34 health zones, there is an average of 2 communes per zone. Zonal hospitals receive first-level referral services and typically staffed with a surgeon and offer specialist health practitioners. Village health units are staffed by voluntary community health workers and are linked to an arrondissement or communal health centre.
Commune health centre	8	
Arrondissement health centre	15	
Village health unit	9	
Dispensary	2	
Maternity	2	
Part One Pharmacy	35	
Registered pharmacy	30	Registered pharmacies are licensed by the Ministry of Health and sell prescription medicine at commercial prices. These outlets are staffed by qualified health practitioners, with oversight/supervision provided by a pharmacist. They sell all classes of drugs. These outlets are highly regulated.
Rural outpost pharmacy	5	Rural outpost pharmacies are smaller pharmacies that are affiliated with and supplied by larger pharmacies in towns and urban areas. These small "sister" pharmacies are located in remote and rural areas and act as extensions of the larger pharmacies.
Private Health Facilities	152	
Private clinics	116	Private clinics are smaller than hospitals and many of them are not registered with the Ministry of Health. They provide consultations and examinations, and sell prescription medicines at commercial prices.
Non-Governmental Organization (NGO) Health Centre	33	These facilities provide prescription medicine following medical consultation or diagnosis. They are usually staffed with qualified health practitioners, though some smaller clinics run by NGOs have less well qualified staff.
Missionary hospital	3	
Other Outlets	862	
Boutique not at a market	266	Businesses/points of sale which sell fast moving consumer goods (e.g. food, household products), in addition to some medicines (most often antipyretics). Drugs sold at these locations are not regulated.
Boutique at a market	24	
Stall at a market	118	Stalls sell a variety of products that are displayed on tables (for example, on the roadside or in populated areas). They sell fast moving consumer goods and sometimes medicines, which are usually antipyretics. Drugs sold at these locations are not regulated.
Stall not at a market	355	
Hawker	86	Itinerant salesmen who often sell products of unknown origin, including medicines.
Other	13	Other outlet types that did not fit into any of the aforementioned outlet types.

Appendix B: First-line ACT and Registered ACTs

Government recommended first-line treatment for uncomplicated malaria

Generic Name	Strength	Dosage Form
Artemether/Lumefantrine	20mg/120mg	Tablet

Recommended treatment regimen for the government recommended first-line treatment for uncomplicated malaria

Body weight in kg (age)	# Tablets Day 1		# Tablets Day 2		# Tablets Day 3	
	0hr	8hr	24hr	36hr	48hr	60hr
5 -14 kg (6 months to 3 years)	1	1	1	1	1	1
15-24 kg (3 years to 7 years)	2	2	2	2	2	2
25-34 kg (7 years to 11 years)	3	3	3	3	3	3
35 kg and above (11 years and above)	4	4	4	4	4	4

Complete list of Benin's nationally registered ACTs¹ as of September 2008

Generic Name	Strength	Dosage Form	Brand Name	Manufacturer	Country of Manufacture
Artesunate/Amodiaquine	25mg/67.5mg	Tablet	Coarsucam	Sanofi Aventis	Morocco
Artesunate/Amodiaquine	25mg/75mg	Tablets	Malmed	Medinomics	India
Artesunate/Amodiaquine	50mg/135mg	Tablet	Coarsucam	Sanofi Aventis	Morocco
Artesunate/Amodiaquine	50mg/150mg	Tablets	Arsumoon	Guilin pharma	China
Artesunate/Amodiaquine	50mg/153mg	Tablets	Apoxin	Ajanta	India
Artesunate/Amodiaquine	50mg/153mg	Tablets	Arsucam	Sanofi Aventis	Morocco
Artesunate/Amodiaquine	50mg/153mg	Tablets	Larimal	Ipca	India
Artesunate/Amodiaquine	100mg/153mg	Tablets	Artediam	Odypharm	England
Artesunate/Amodiaquine	50mg/200mg	Tablets	Macsunate Plus	Macleods	India
Artesunate/Amodiaquine	100mg/270mg	Tablet	Coarsucam	Sanofi Aventis	Morocco
Artesunate/Amodiaquine	100mg/300mg	Tablets	Camoquin-plus	Pfizer	USA
Artesunate/Amodiaquine	200mg/200mg	Tablets	Amonate – adult	Dafra	Belgium
Artesunate/Amodiaquine	200mg/600mg	Tablets	Camoquin-plus	Pfizer	USA
Artemether/Lumefantrine	20mg/120mg	Tablets	Artefan	Ajanta	India
Artemether/Lumefantrine	20mg/120mg	Tablets	Coartem	Novartis	Switzerland
Artemether/Lumefantrine	15mg/90mg	Powder	Co-Artesiane	Dafra	Belgium
Artemether/Lumefantrine	20mg/120 mg	Suppository	Lonart	Bliss Gvs	India
Artemether/Lumefantrine	20mg/120mg	Tablets	Lonart	Bliss Gvs	India
Artemether/Lumefantrine	20mg/120mg	Tablets	Lumartem	Cipla	India
Artemether/Lumefantrine	20mg/120mg	Tablets	Lumether	Macleods	India
Artemether/Lumefantrine	40mg/240mg	Tablets	Artefan	Ajanta	India
Artemether/Lumefantrine	40mg/240mg	Tablets	Lufanter	Imex Health	India
Artemether/Lumefantrine	80mg/480mg	Tablets	Artefan	Ajanta	India

¹ Nationally registered ACTs were compiled through the Ministry of Health in Benin.

Generic Name	Strength	Dosage Form	Brand Name	Manufacturer	Country of Manufacture
Artemether/Lumefantrine	180mg/1080mg /60ml	Suspension	Cofantrine - enfant	EGR Pharma	India
Artemether/Lumefantrine	180mg/1080mg /60ml	Suspension	Lonart	Bliss Gvs	India
Artemether/Lumefantrine	360mg/2160mg /120ml	Suspension	Co-Artesiane	Dafra	Belgium
Artesunate/Mefloquine	50mg/125mg	Granules	Artequin	Mepha	Switzerland
Artesunate/Mefloquine	100mg/125mg	Tablets	Artequin - Child	Mepha	Switzerland
Artesunate/Mefloquine	100mg/250mg	Tablets	Artequin - Child	Mepha	Switzerland
Artesunate/Mefloquine	200mg/250mg	Tablets	Artequin	Mepha	Switzerland
Artesunate/Mefloquine	200mg/250mg	Tablets	Artequin - Adult	Mepha	Switzerland
Artemisinin/Naphthoquine	125mg/50mg	Tablets	Arco	Kunming	China
Artesunate/ Sulfamethoxyprazine/Pyrimethamine	100mg/250mg/ 12.5mg	Tablets	Asunatedenk 100 plus	Denk pharma	Germany
Artesunate/ Sulfamethoxyprazine/ Pyrimethamine	100mg/250mg/ 12.5mg	Tablets	Co-Arinate - junior	Dafra	Belgium
Artesunate/Sulfadoxine/ Pyrimethamine	100mg/500mg/ 25mg	Tablets	Artedar	Plethico	India
Artesunate/Sulfadoxine/ Pyrimethamine	200mg/500mg/ 25mg	Tablets	Asunatedenk 200 plus	Denk pharma	Germany
Artesunate/ Sulfamethoxyprazine/ Pyrimethamine	200mg/500mg/ 25mg	Tablets	Co-Arinate - adult	Dafra	Belgium
Artesunate/ Sulfamethoxyprazine/ Pyrimethamine	<i>Unknown</i> ²	<i>Unknown</i>	Artecure	Stallion	India
Dihydroartemisinin/ Piperaquine	<i>Unknown</i>	Tablets	Malacur	Salvat	<i>Unknown</i>
Dihydroartemisinin/ Piperaquine Phosphate	15mg/120mg	Granules	Darte-q	Steyuan pharm	China
Dihydroartemisinin/ Piperaquine Phosphate	40mg/320mg	Capsule	Darte-q	Steyuan pharm	China
Dihydroartemisinin/ Piperaquine Phosphate	40mg/320mg	Tablets	Duo-cotecxin	Holleypharm	China
Dihydroartemisinin/ Piperaquine Phosphate	80mg/640mg/ 80ml	Suspension	P-alaxin	Bliss Gvs	India
Dihydroartemisinin/Piperaquine Phosphate/Trimethoprim	32mg/320mg/ 90mg	Tablets	Artecom	Tonghe Pharma	China
Dihydroartemisinin/Sulfadoxine/ Pyrimethamine	160mg/500mg/ 25mg	Tablets	Alaxin	Bliss Gvs	India

² Packing information is not stated.

