

Additional File 1: Search strategy for PubMed, EBSCO, Science Direct, and Web of Science.

# Step	Search term
1	TI= “adverse reactions” OR “adverse drug reaction” OR “adverse drug events” OR “adverse events” OR “drug side effects” OR “Toxicity”.
2	TX= “hospital” OR “admission” OR “Outpatient” OR “community”
3	MW=“Morocco” OR “Nigeria” OR “Ethiopia” OR “Egypt” OR “DR Congo” OR “Tanzania” OR “South Africa” OR “Kenya” OR “Uganda” OR “Algeria” OR “Sudan” OR “Morocco” OR “Angola” OR “Mozambique” OR “Ghana” OR “Madagascar” OR “Cameroon” OR “Cote Ivoire” OR “Niger” OR “Burkina Faso” OR “Mali” OR “Malawi” OR “Zambia” OR “Senegal” OR “Chad” OR “Somalia” OR “Zimbabwe” OR “Guinea” OR “Rwanda” OR “Benin” OR “Burundi” OR “Tunisia” OR “South Sudan” OR “Togo” OR “Sierra Leon” OR “Libya” OR “Central Africa Republic” OR “Mauritania” OR “Eritrea” OR “Namibia” OR “Gambia” OR “Botswana” OR “Gabon” OR “Lesotho” OR “Guinea-Bissau” OR “Equatorial Guinea” OR “Mauritius” OR “Eswatini” OR “Djibouti” OR “Comoros” OR “Cabo Verde” OR “Sao Tome and Principe” OR “Seychelles”.
4	Step 1 AND Step 2 AND Step 3

TI title, *TX* full-text (title, abstract, keywords, and other fields), *MW* subject heading.