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Distribution of Azithromycin by Community Health Volunteers in Ghana

Anthony W Solomon
MBBS DTM&H
Research Fellow
London School of Hygiene 
& Tropical Medicine
Keppel Street
London WC1E 7HT
UK

In June and July of this year, an operational study to test the feasibility of using community health volunteers (CHVs) to distribute azithromycin was undertaken in the Daboya subdistrict of Ghana’s Northern Region. The objectives of the study were as follows:

- To test the ability and accuracy of community health volunteers (CHVs) in diagnosing active trachoma.
- To test the ability of CHVs to give the correct dose of azithromycin by weight to children and adults.
- To test the ability of CHVs to keep records of tablets received and distributed.
- To test the ability of CHVs to warn patients about possible adverse reactions, recognise them when they occur and take appropriate action if required.

The six volunteers, who have previously been involved in the Guinea Worm and Onchocerciasis Control Programmes as well as the distribution of tetracycline for trachoma control, were given four days of revision on trachoma, and training in the use of azithromycin. Education sessions included theory, practical sessions teaching eye examination skills and the techniques for weighing and measuring, dose calculation and drug preparation. The CHVs then examined a total of 675 individuals in ninety households in local villages, looking for evidence of trachoma. They were accompanied by supervisors who independently examined all subjects, and intervened in treatment only when mistakes were about to be made. Azithromycin (a single dose of approximately 20mg/kg) was given to all individuals in any household in which there was at least one case of active trachoma.

The volunteers performed creditably. The decision to treat or not treat each household was correct on more than four out of every five occasions. The dosing reliability and drug management skills of CHVs were generally good. Community response was very positive, refusal of examination or treatment rare, and adverse reactions infrequent.

Such research has high priority for showing programmes ways to use scarce resources effectively for the long term control of trachoma in their communities.

References