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What characterises much of Africa at the moment?

- **Chronic** poverty
 - Bulk of the rural population – subsistence farming.
 - Not an apparently high priority for National budgets.
 - Discouraging trajectory.
- Periodic **acute** humanitarian disaster.
- Uninspiring political leadership.
- Armed conflict (mainly civil war rather than wars between nations).
- Ongoing *Rural to Urban* population shift.
- Ongoing (although low key) theatre for superpower competition.

Main public health problems

- All are poverty-related.
- Infectious disease:
 - HIV-related pathogens (TB, Pneumococcus, Salmonellae).
 - Falciparum malaria (children, primigravidae, and HIV+).
 - Pneumonia
 - Unsafe labour
- Non-transmissible diseases:
 - Malnutrition.
 - Trauma – RTA, burns (no HSE)
 - Mental Health.

Influence of climate change on priority public health problems

- Trend to worsen prevalence and reduce available resource.
- Worsening personal and national poverty.
 - Agriculture and animal health.
 - Domestic resources for health care.
 - Health care facilities and staffing.
 - Environmental safety – e.g. roads and cities
- Conflict in pursuit of resources.
- Environmental impact upon disease ‘vectors’ (insects and water).
- Climate change impact upon the G8!!

Liverpool research efforts in Africa

- Liverpool School of Tropical Medicine
 - ‘Molecule to Policy’.
- School of Clinical Sciences:
 - Specialist clinical areas.
- Wellcome Trust Tropical Centre:
 - Personal fellowships, both for scientists and clinical scientists.
 - *Major Overseas Programme* in Malawi.
- Wellcome Trust Clinical PhD Programme