



AFENET

C O N F E R E N C E

17 - 22 NOVEMBER 2013 | ADDIS ABABA, ETHIOPIA

Addressing Public Health Priorities in Africa through FELTPs

www.afenet-conference.net

Nigeria FELTP Program Update

www.nigeria-feltp.net

AFENET-TEPHINET Program Directors Meeting

Addis Ababa

22 November 2013

Dr Akin Oyemakinde

Background

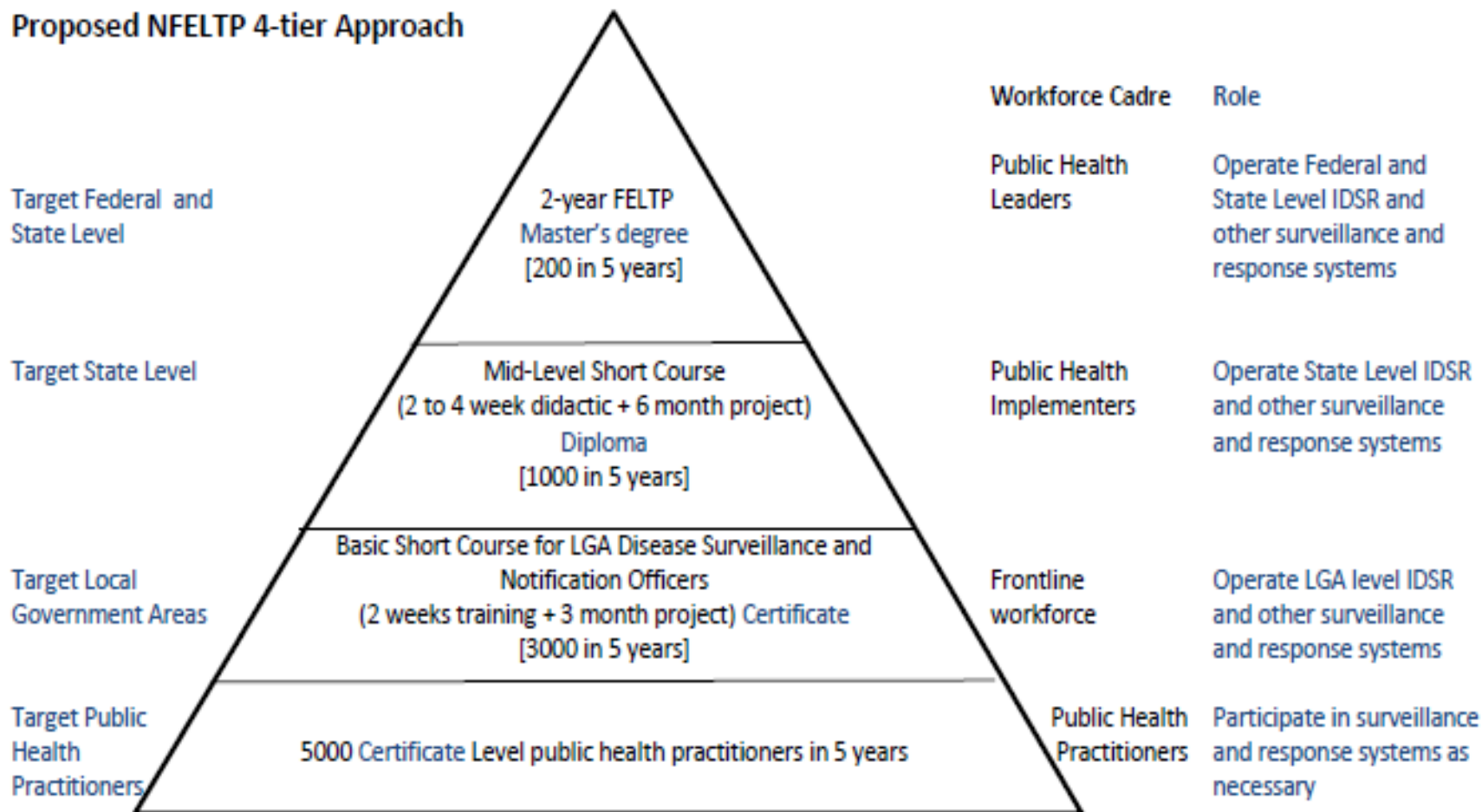
- **Established in 2008 , first to adopt one health approach**
- **New strategic plan 2014 – 2020**
- **Mission**
 - **Nigeria FELTP exists to develop, implement, and strengthen an effective public health surveillance and response system with adequate numbers of competently trained personnel providing epidemiologic service, public health research, and public health emergency response to all Nigerians.**
- **Vision**
 - **NFELTP seeks to become a world class FELTP producing public health leaders and practitioners that can strengthen and lead public health systems to prevent and reduce morbidity and mortality from priority diseases in Nigeria.**
- **Goal statement**
 - **Develop and implement a sustainable, effective, networked and adequately staffed multi-disease public health surveillance and response system that is operational in all States and LGAs in Nigeria by 2020.**

Program objectives

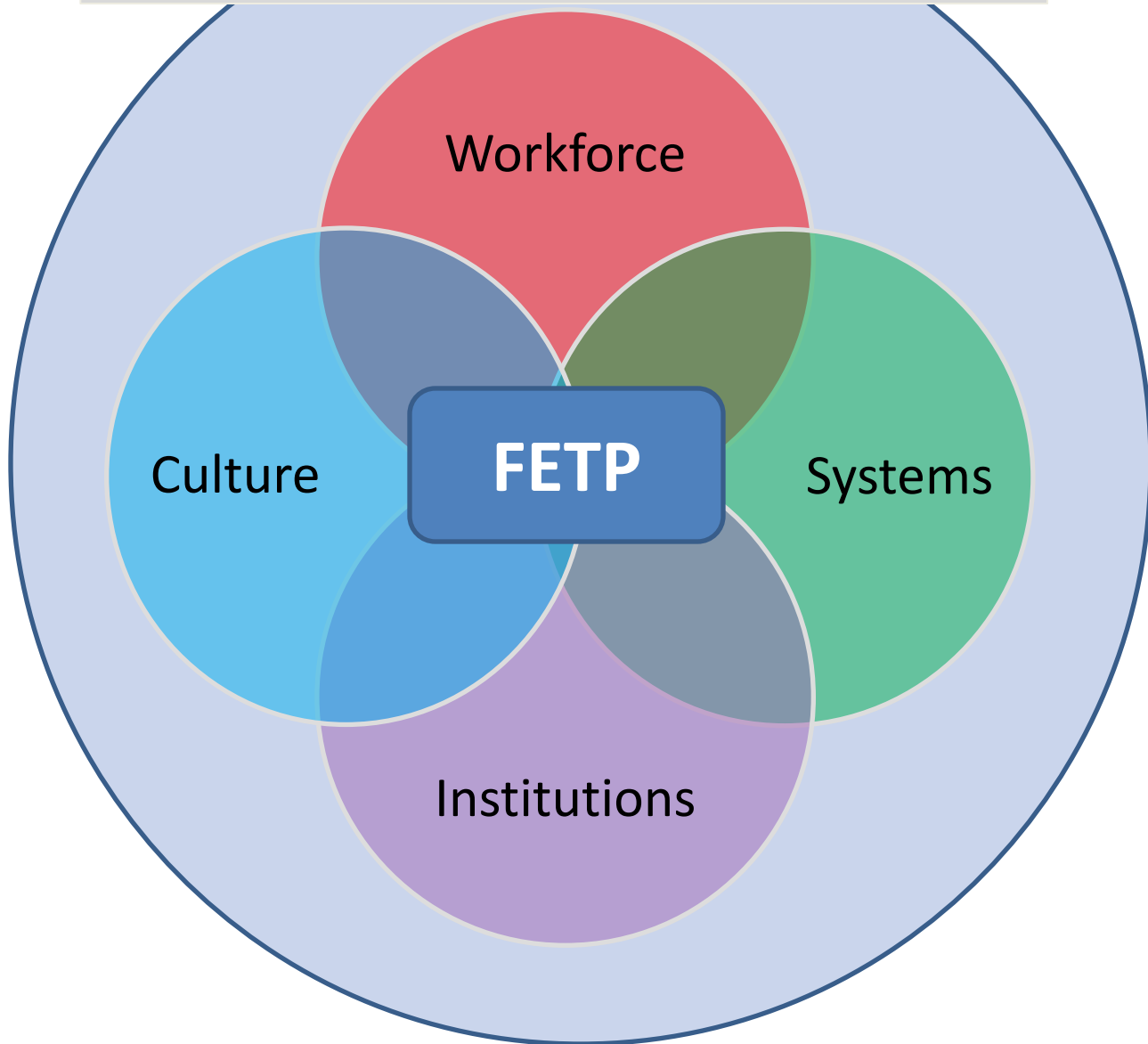
- **Implement 4-tier public health workforce development plan**
 - *5 year target: 200 2-year degree graduates, 1000 mid-level short course graduates, 3000 basic level short course graduates, 5000 certificate level public health practitioners*
- **Strengthen Integrated Disease Surveillance and Response (IDSR) at all levels (Federal, State, LGA, community)**
 - *5 year target: At least one networked functional IDSR unit at each administrative level of the country & At least 80% of public health emergencies that are notified to the IDSR units are responded to within 48 hours*
- **Conduct and disseminate public health operations research on priority topics**
 - *5 year targets: At least one annual dissemination meeting of public health operations research conducted by NFELTP graduates is held by each State*
- **Develop and implement a sustainability plan and support NFELTP operations**
 - *5 year targets: Adequate funding for the planned activities to implement the strategic plan is available annually with contribution from Government, donors, private sector & NFELTP has a permanent location*

NFELTP Four-tiered training approach

Proposed NFELTP 4-tier Approach



PUBLIC HEALTH SYSTEM



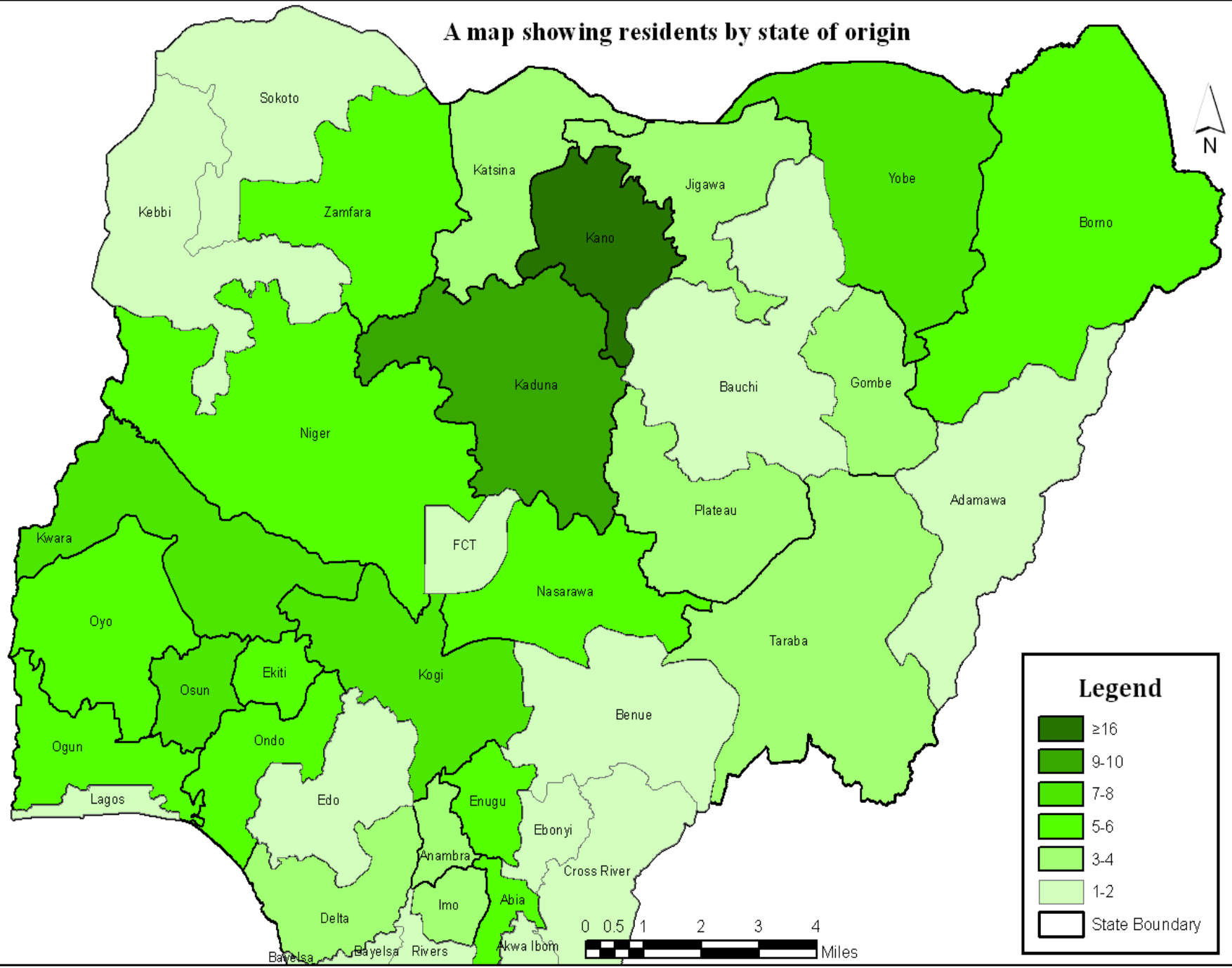
Nigeria FELTP ; multiagency collaboration

- **Two collaborating universities**
 - Ahmadu Bello University & University Ibadan
- **Two Ministries**
 - Federal Ministry of Health
 - Federal Ministry of Agriculture and Rural Development
- **Other agencies – AFENET, CDC, WHO, USAID**
- **Funding**
 - Nigeria Government (NCDC/FMOH, FMARD)
 - USG – PEPFAR, BEP, AHIP, PMI , GID
 - WHO – short courses and research
- **Field sites – Federal , State, CDC, UN, PEPFAR implementing partners**

NFELTP Key Achievements

- **Training**
 - 5 cohorts on the long course; 154 residents
 - 86 (56%) M/Epidemiology, 27 (17%) V/Epidemiology & 41 (27%) Lab epidemiologists
 - **Graduates – 25 (*cohort 3 awaiting final external thesis defense delayed for 4 months by ASUU strike*)**
 - NFELTP – 10 (support program and Polio Eradication efforts)
 - State – 5 ; leadership (S/Epid , S/Immunization, Lab , HIV)
 - Teaching institutions – 2 (ABU and UI)
 - FMOH – 2 ; Guinea Worm Disease(Director), Weekly bulletin
 - FMARD – 2
 - Others – 4 (politician, secondment)
 - NCH Memo for appropriate post-training deployment
 - **Short courses; > 700 (Competency based M&E, HIV Program Management and Zoonoses)**

A map showing residents by state of origin



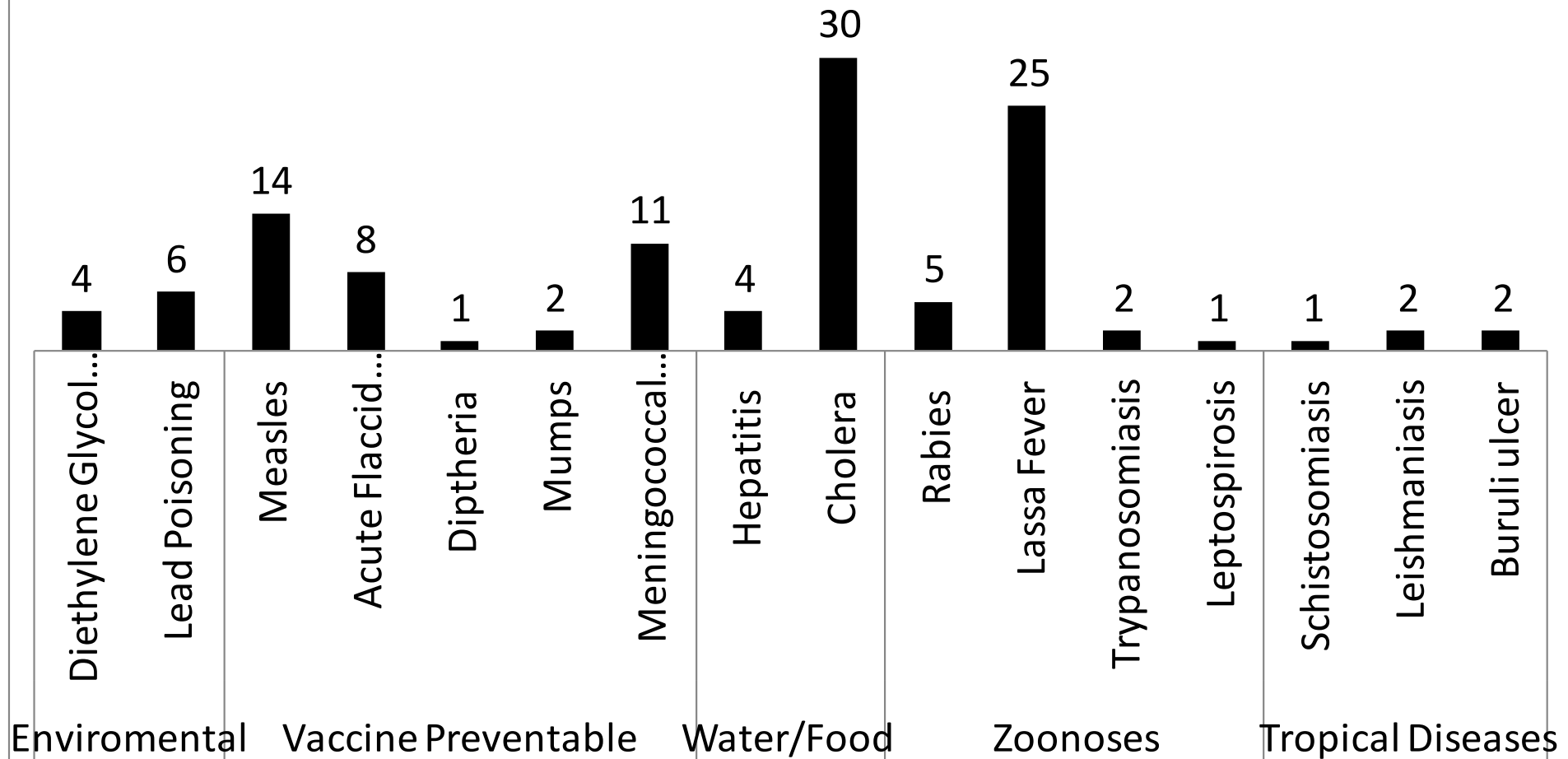
Residents by Zone of Origin(N=154)

Zone	Number	PER 1 MILLION POPULATION	% COVERAGE
North West	37	1.0	20%
North Central	33	1.4	28%
South West	30	0.9	18%
North East	24	1.1	22%
South East	18	1.0	20%
South South	12	0.6	12%
Total	154	1.0	20%

Target is 5 per 1 million population

Outbreak Investigation and Response 2008 - 2013

(N=118)



HIV activities

- Scientific HIV workshop (April 2013) to identify research topics for residents for thesis
- Working with CDC and Implementing partners
 - Posting residents
 - Secondary data analysis
 - ART & PMTCT Rapid Data Quality and Services Quality Assessment
 - Intensified case finding tuberculosis among HIV positive person
 - More than 30 residents working on HIV related thesis , assessments, secondary data analysis

Polio Activities

- **Creation of NSTOP (Nigeria Stop Transmission of Polio)**
 - Highly competent culturally appropriate persons at lowest possible levels
- **To support the National Polio Eradication Emergency Plan**
 - >100 National STOP Local Government Officers (NSLO) to cover all HR LGAs
 - 15 Field coordinator (centrally and regionally) – decentralization
- **Training**
 - 120 NSTOP training – FELTP, Universities, Ministries
 - Modular thematic 500 health care workers – competency based
 - Routine immunization – baseline assessment – organize outreach
 - Micro-planning
 - Service delivery
 - Vaccine cold chain management
- **Responded to all polio outbreaks**
- **Supported all IPDS – micro-planning , monitoring , service delivery**
- **Operational research**
 - Improvement of surveillance using SMS reminders
 - Acceptability of new vaccines , expansion of age group, FGD
- **Informatics – GPS , smart phones , Open data kit**

Other Updates

- 4 residents supported by BEP for 2 week advanced training on lassa fever in S/Leone
- AFENET conference – largest number of accepted abstracts , polio workshop
- Research prioritization for residents
 - HIV, Malaria and Vaccine Preventable Diseases
- Graduate won a grant from BMG foundation
- Cohort 6 selection – short listing ongoing
- Alumni association registered
- Hepatitis National survey – prevalence & RF

Newly published papers /NBE

- 1. Polio field census and vaccination of underserved populations — northern nigeria, 2012–2013 – MMWR CDC**
- 2. Assessment of integrated disease surveillance and response strategy implementation in selected local government areas of Kaduna state – Annals of Nigerian Medicine**
- 3. Polio moving target - finding and vaccinating Nigerian nomads may be one of the last obstacles to the eradication of polio. – Nature**
- 4. Emergency preparedness and the capability to identify outbreaks: A case study of Sabon Gari local government area, Kaduna state - Annals of Nigerian Medicine**
- 5. Molecular detection and characterization of tick-borne Pathogens in dogs and ticks from Nigeria – PLOS- NTD**
- 6. Sero-epidemiology of human parvo b19 virus among Drug naïve and drug experienced sero-positive Hiv/aids patients attending hiv clinic at Federal Medical Center Keffi, Nasarawa State, Nigeria- International Journal of Academic Research**
- 7. Residents contributing to Nigeria Bulletin of Epidemiology**

Manuscripts undergoing review and clearance

1. HIV Disclosure Status and Factors among Adult HIV Positive Patients in a Secondary Health Facility in North-Eastern Nigeria, 2011.
2. Evaluation of Quality of TB Control Services by Private Health Care Providers in Plateau state, Nigeria; 2012
3. Health care workers' knowledge and attitude and outcomes of TB treatment in Plateau state Nigeria, 2011
4. Health care workers' knowledge and attitude and outcomes of TB treatment in Plateau state Nigeria, 2011
5. Knowledge, Care-seeking Behavior and Factors Associated with Patient Delay among Newly-diagnosed Pulmonary Tuberculosis Patients, Federal Capital Territory, Nigeria, 2010
6. National stop transmission of polio (N-STOP) outreach to nomadic and other under-served communities in northern nigeria: an innovation to close chronic immunity and surveillance gaps among under-served populations — august 2012 to July 2013
7. HIV infection among under-five malnourished children in Kano state
8. Overcoming programmatic barriers to polio eradication in nigeria through the national stop transmission of polio (NSTOP) program – nigeria, 2012-2013
9. Prevalence and Factors Associated with Hypertension and Obesity among Civil Servants in Kaduna, Kaduna State, June 2012
10. Determinants of Routine Immunization Coverage in Bungudu, Zamfara State, Northern Nigeria; May 2010
11. Performance of a HRP-2 rapid diagnostic test in children less than 5 years in Kaduna State, Nigeria
12. Factors associated with probable case of Leptospirosis among kennel workers in Abuja, Nigeria
13. Perception and Practices of Adamawa State Inhabitants and Healthcare Providers on Cholera Preparedness and Response – 2012
14. Prevalence and correlates of Influenza A among piggery workers
15. HIV Prevalence Trends in Nigeria from 2001 to 2010: What is the Progress, Where is the Problem?
16. Descriptive characterization of the 2010 cholera outbreak in Nigeria”
17. Factors Associated with Tuberculosis among Patients Attending a Treatment Centre in Zaria, North-west Nigeria. 2010

Manuscripts undergoing review and clearance 2

18. Evaluating a surveillance system: Live bird market surveillance for highly pathogenic avian influenza; a case study.
19. Bacteriuria and Urinary Schistosomiasis in Primary School Children in Rural Communities in Enugu State, Nigeria, 2012
20. Factors associated with interruption of treatment among Pulmonary Tuberculosis patients in Plateau State, Nigeria. 2011

Challenges

- ASUU strike – delay in university based programs
- Security issues
- Challenges of scale up
 - Additional technical and administrative staff
- HR issues at state levels
 - Staffing shortages , unwilling to release
 - State level training may be an option, ? Reposting to the state
 - Lack of trainable persons in some of the states
- Laboratory support
- Funding & Sustainability
 - Strategic plan
 - Grant writing and resource mobilization skills
 - GON funding

Plans for future

- Continued institutionalization
- Broadening resource base – Strategic plan
- Personnel – additional – university , graduates , experienced FELTP/EIS, research/publication
- Monitoring and evaluation framework
 - Epi-track , Bound volume assessment
- Field site
 - Reaching all states
 - Range of activities – HIV, Polio, Malaria, NCD
 - Mentors and supervisors. Additional personnel
 - Improvement in supervision
- Strategic plan development finalization

Thank you