From Smallpox Eradication to the Future of Global Health: Innovation and application
Eradication versus Control
OUTLINE OF PRESENTATION

• What lessons from Smallpox Eradication?

• What innovations and applications in new disease control/eradication initiatives?

• What future direction of Global Health Control Eradication, Elimination?
HISTORY OF DISEASES

From the Good News Bible (Exo 9:3)
I will punish you by sending a terrible disease on all your animals: horses, donkeys, camels, cattle, sheep, and goats

Exo 9:9 a breaking forth of boil with blains upon man, and upon beast, throughout all the land of Egypt. boils that become open sores on people and animals.
HISTORY OF DISEASES

Exo 11:5 And all the firstborn in the land of Egypt shall die, from the firstborn of Pharaoh that sitteth upon his throne, even unto the firstborn of the maidservant that is behind the mill; and all the firstborn of beasts.

Deu 28:22 The LORD shall smite thee with a consumption, and with a fever, and with an inflammation, and with an extreme burning....
HISTORY OF DISEASES

Exo 15:26 If thou wilt diligently hearken to the voice of the LORD thy God, 

I will put none of these diseases upon thee,
Disease prevails, because man prevails.
Different men, different diseases
Eradication of diseases

SMALL POX

DRACUNCULIASIS
POLIOMYELITIS.
RINDERPEST

HOOKWORM
MALARIA
YAWS
YELLOW FEVER

MEASLES
MUMPS
RUBELLA
LYMPHATIC FILARIASIS
TAPEWORM
ISSUES IN DISEASE CONTROL AND ERADICATION -

LESSONS LEARNT AND APPLIED SMALLPOX AND POLIOMYELITIS
LESSONS LEARNT AND APPLIED

✓ good definition of goals and objectives

✓ clear implementation strategy, - structure and management of programme

✓ strong political commitment

✓ international coordination
LESSONS LEARNT AND APPLIED

✓ operational and laboratory research

✓ surveillance and containment

✓ vaccination programme focused on high risk population,

RULE BREAKERS, OCCASIONALLY

SENSE OF HUMOUR ALL THE TIME
SOCIAL SCIENCE
CULTURE
RELIGION
RUMOUR
OTHER ISSUES
THE TRAVELS OF A RUMOUR

“the rumour originating from a cripple, can travel as fast as that started by the pilot of a jetliner ”.
Is polio our major health care problem in this country? No! Every day thousands of children are dying of malaria and measles, but nobody is bothered.

So why should Western Governments seek to order the priorities of our health care delivery system?

(Interview, Kaduna, 4 July 2005).
POLITICAL WILL AND COMMITMENT

GLOBAL RESOLUTIONS

REGIONAL COLLABORATION—WAHO, SADC, NEPAD

VACCINE DEMAND AND SUFFICIENCY

ACCOUNTABILITY AND PROBITY
WAR AGAINST DISEASES

IF WE MUST WIN
THE WAR AGAINST DISEASES, THEN

• WE MUST
CONCLUSION

BUILD ON THE LEGACY OF SMALLPOX ERADICATION AND APPLY AS APPROPRIATE, LESSONS LEARNT TO ANNIHILATE OTHER DISEASES