

Smallpox eradication

- A + Maglin
- + May 1980 WHA
- B "declares solemnly that the world and all its peoples have won freedom from smallpox"
- C "Smallpox vaccination should be discontinued in every country"
- "No country should now require vaccination certificates from international travelers"

+ 1st time disease had been eradicated LESSON DRAWN ERADICATION

+ Stampede to identify what should be the next targets

+ For reasons I shall describe ^{hunger urban rabies tuberculosis hepatitis B} "the one person dog for the global prog. is one of the more conservative ones in identifying new goals."

+ Definition of eradication

what smallpox was, what it meant

SESSION 24

Smallpox The history has proven to be the most deadly of all the postulated diseases.

1 + Ramses II ~ 3000 yrs. ago. (1157 B.C.)

3 + Gods
Everyone, everywhere -

4 + Macauley
Milk maids

5 Jenner
Arm to arm

EXCELLENT RECEIPTS

6 Calves → @ forget-dread vaccine

+ 1959 Russians - eradication -

MEANWHILE - MALARIA - The disaster

DOUBT CREDIBILITY + DURBS

+ 1966 Global eradication

7 \$2.5 x 10⁶ Smallpox 1967 MMR 10 yrs.

8 ~~Smallpox - 1967 MMR~~

9 ~~Strategy Characteristics forming eradication~~

CLINICAL CHAP. (P. 10)

10 What is Smallpox

11 Blindness

RECOVERY
SIMPLIFICATION

Strategy

~~Note: vaccine stability~~

Vaccines - note stability
Every can a failure

- 12
- 13 Polymethyl needle
- 14 Vaccinator's kit
- 15 Program - 1967
- 16 1970
- 17 1973

- 18 Boats
- 19 Buses
- 20 Trains

- 21 U.P. & each
- 22 Curves for Africa
- 23 Only Ethiopia
- 24 Ethiopia roads

25 Ethiopia roads
+ ~~Hi. Made~~

Achieved but just barely / financial problems / civil war

- ~~Myanmar~~
- Nigeria
- Sudan
- Pakistan
- Ethiopia - Somalia

26 Characteristics of primary production [note char. reqs.]

27 Principles

Pushed down
Policy
Market

+ Only good from war & man -

+ pretty much limited to the viruses
+ No carrier state - e.g. Hep. B, varicella.
+ Equipment enough to warrant a global effort

Driving force - substance

28 Every can in some way a failure
Green House / Policy

measles
polio - +
L.A.P.A.C.P.

Not a high national priority Thus - I am a disappointment to my
colleagues.

Legacy - global warming.

- Polio -
- Level of Priority
 - Surveillance issue - ~~it~~
 - Validation in remote areas
in areas of conflict.
 - ~~International~~ leadership -
Primarily a vaccination program.
Do not know what the data mean.
? can it be done to vaccinate at hand.

Guinea worm -

- Surveillance - much easier
- Priority but tied to H₂O supply
- Internat. leadership

Mexico -

- High priority disease
- ~~Also a highly~~ High transmission

Bottom line: ~~Nothing to do with~~

Smallpox is not ~~it~~ should not be seen as a template for a whole portfolio of new diseases for eradication.

A View of Eradication -- 1965 , R. Dubos

“The popular appeal and fervid ring of the word eradication is no substitute for a searching analysis of the manner in which limited supplies of resources and technical skills can best be applied for the greatest social good.”

“Even if genuine eradication of a pathogen or vector on a worldwide scale were theoretically and practically possible, the enormous effort required would probably make the attempt economically and humanly unwise”

“For many reasons, eradication programs will eventually become a curiosity item on library shelves, just as have all social utopias.”