

Date	Apr 10 2000
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Title	The smallpox adventure
Event	Dinner address
Event Sponsor	Dept of Infectious Diseases
Event location	Philadelphia PA
Notes	
Publ as	

• Report by ~~WHO~~ - speak on the adventures of spec. orad. / discuss lessons learned / look to the future
Time frame - 1967-1980 -

• In various conversations, I have been both ~~astonished~~ ^{astonished} and ~~disappointed~~ ^{disappointed} by the myths that have arisen with respect to the program. The most prevalent scenario would suggest that ^{by consensus}

- The nations of the world ~~WHO~~ looked at many options & opportunities ~~to~~ ^{to} ~~stocked smallpox~~ ^{stocked smallpox} because of its importance to ~~the~~ world health.
- A careful plan was elaborated ~~at~~ which called for a 10 year goal.
- Large sums of money were appropriated
- An army was created to a general staff at WHO ~~to~~ ^{to} direct operations.
- The army, like locusts, marched across the world vaccinating ~~every~~ ^{every} thing in its path.
- ~~Vaccination~~ - smallpox vanished.

only one of these statements - another was valid - smallpox was a serious health problem.
The disease ①②③ incubation CFR no ~~Q~~ ^Q ⑥ ^{scars} Spread everywhere.

Detection ⑦⑧ Speech. Problem would be 500 x 10⁶ Max ~~disaster~~ ^{disaster} of all diseases. - 1967 2 x 10⁶ deaths. cholera, y.f., plague, malaria

- Jenner - 1796 ⑨
- Frang - dnod vaccine problem ⑩

MEANWHILE CDC Russia 1959 - proposed an erad. prog. — U.S. pushing malaria - Cold War.
1966 - Malaria going badly. U.S. joined Russia in arguing eradication.
D.G. - opposed. Rene Dubos - "can't be done"

Passed by 2 votes → DAA recruited
10 year goal. (so much for this plan)
Budget \$2.5 x 10⁶ - 50 countries - ~~499,999~~ //
Contributions - \$75,000 over 7 years.
to expected to be ~ \$5 x 10⁶ / yr. -

Factors proving eradication

(11)

Strategy

(12)

Status of smallpox - 1967

(12)

Bifurcated needle

(14)

STRATEGY

Progress

(15)

(16)

(17)

India - British trail

(18)

(19)

(20)

The search graph

(21)

Ethiopia

(22)

Roads

(23A)

(23B)

Maalin

(24)

10 / 28 / 30

Wato

(25)

(26)

BLANK

Total cost was just under \$100 x 10⁶ or just over \$7 x 10⁶ / yr. for the 14 years.

HQ - \$ prog.

< 100

120 000.

Two critical

~~Two important~~ points - 1. ^{underutilized} Far more resources in dev. countries than we are applying.

2. Surveillance - critical - how are you doing

3. Research - Much of what was in the textbooks was wrong.

Success goal. + qualit. - vac. devices
Duration of vac. prot.

Speed of spread

Airborne spread.

Seasonal retreat & the action

Animal reservoir.

TERRELL SM

After smallpox

Exp. prog.

(24)

(25)

(26)

Brazil

(28)

Surveillance quality

(29)

Polio.

+ Eradication

Elimination

Dio / Rotavirus

better vaccine malaria / HIV / tb.