

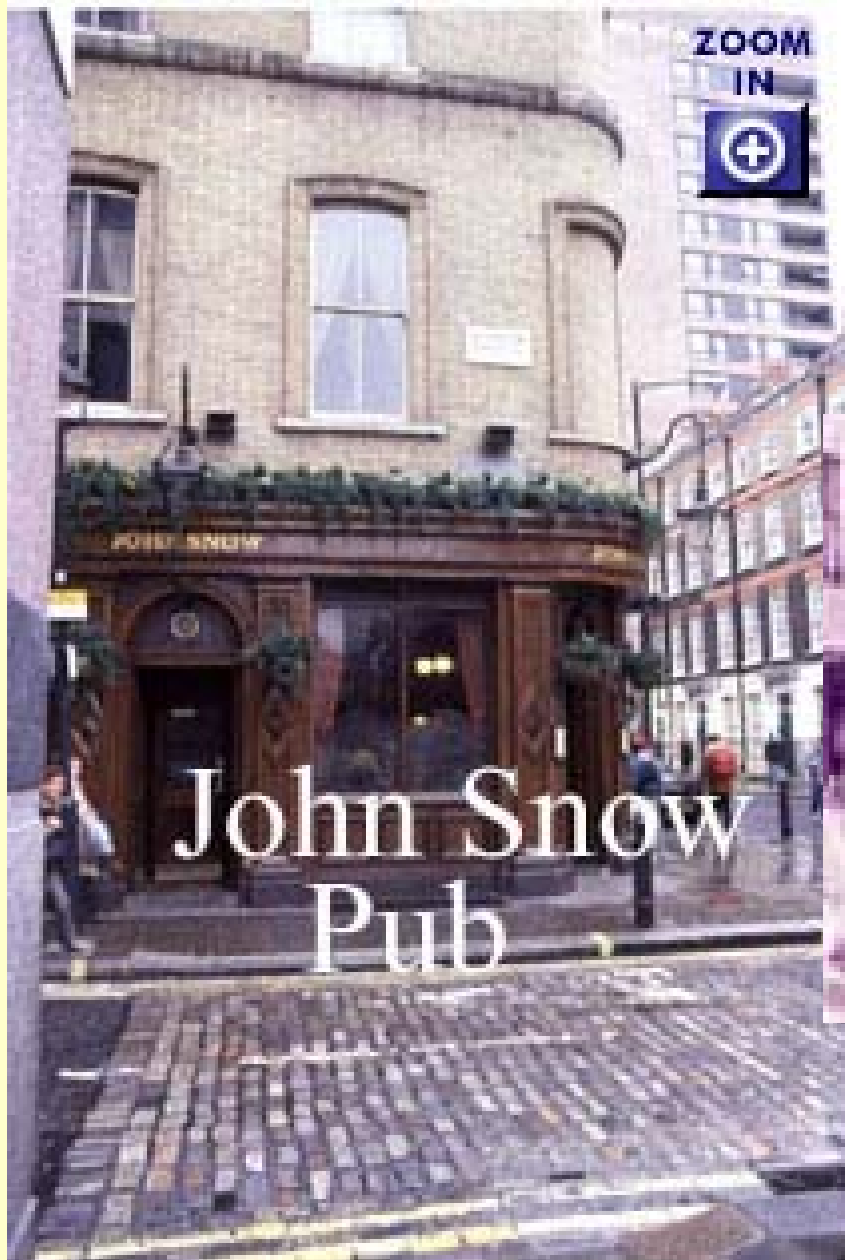
PLAGUES IN MAN

CHOLERA



John Snow &
his famous
map (1854)





John Snow Pub



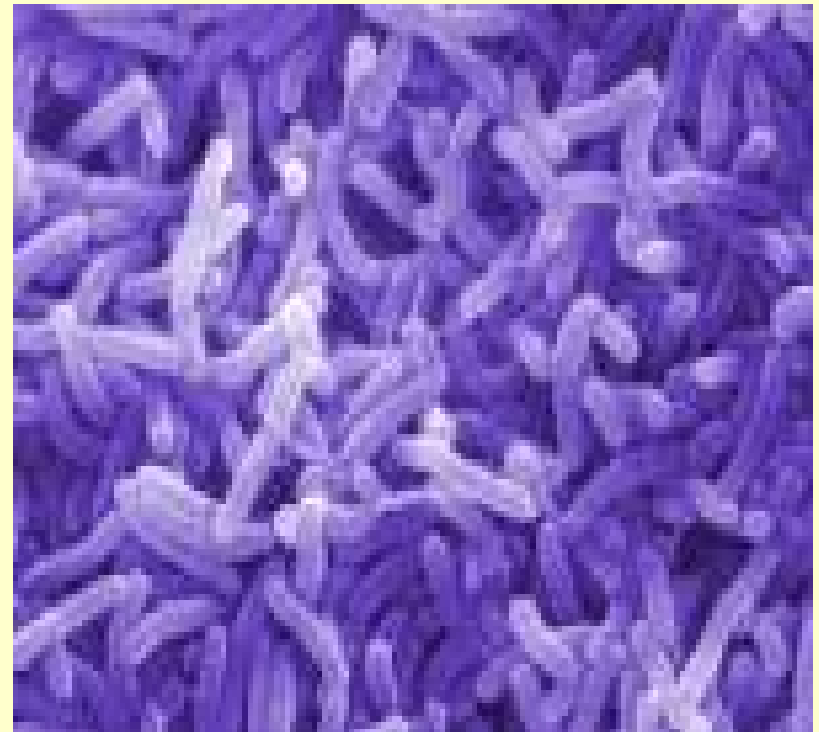
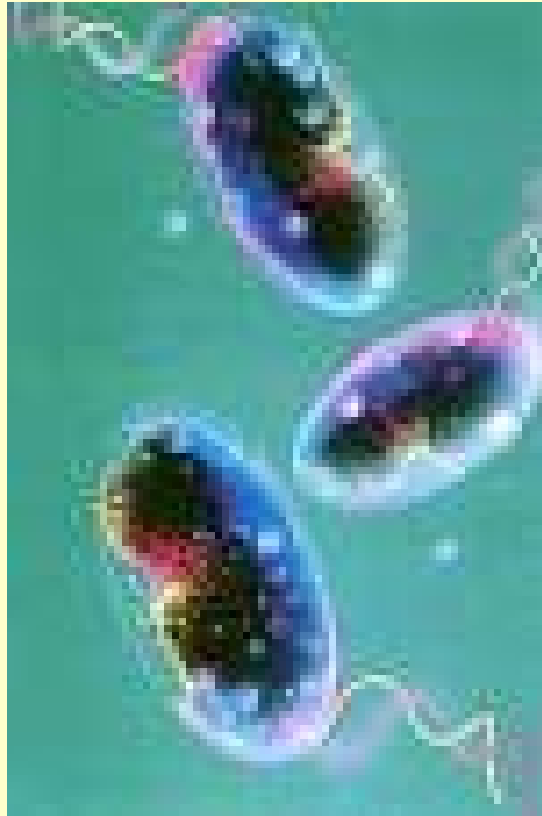
The Agent

Vibrio cholera

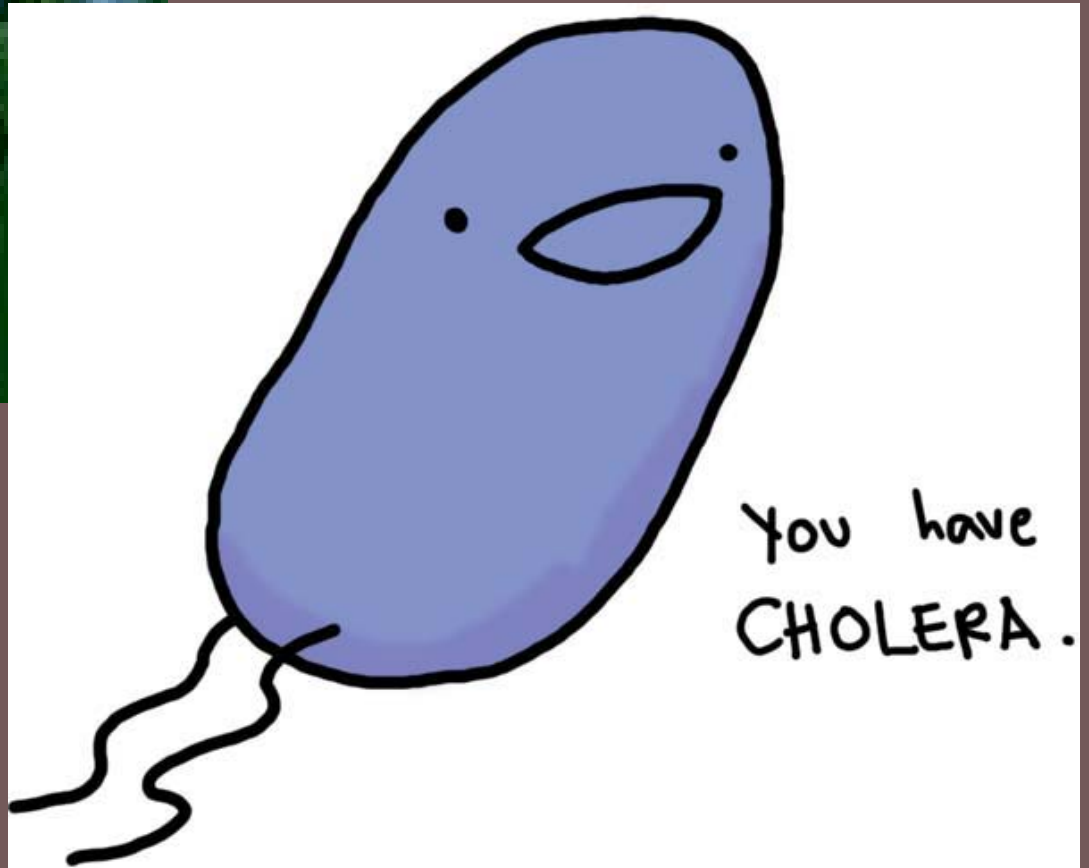
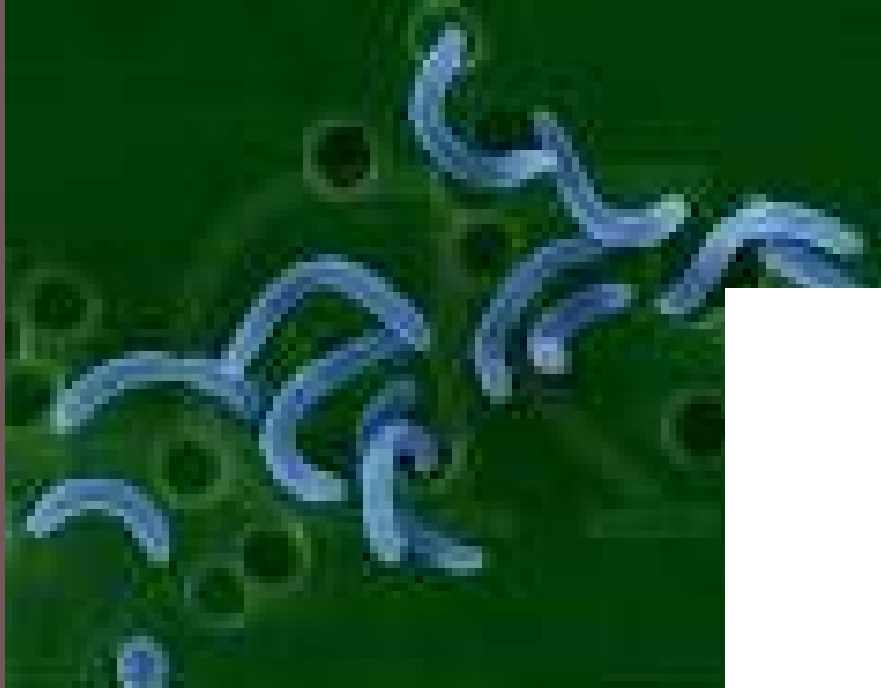
1 X 4 μm

Bent rods:
“comma
bacillus”

With polar
flagella



The Agent



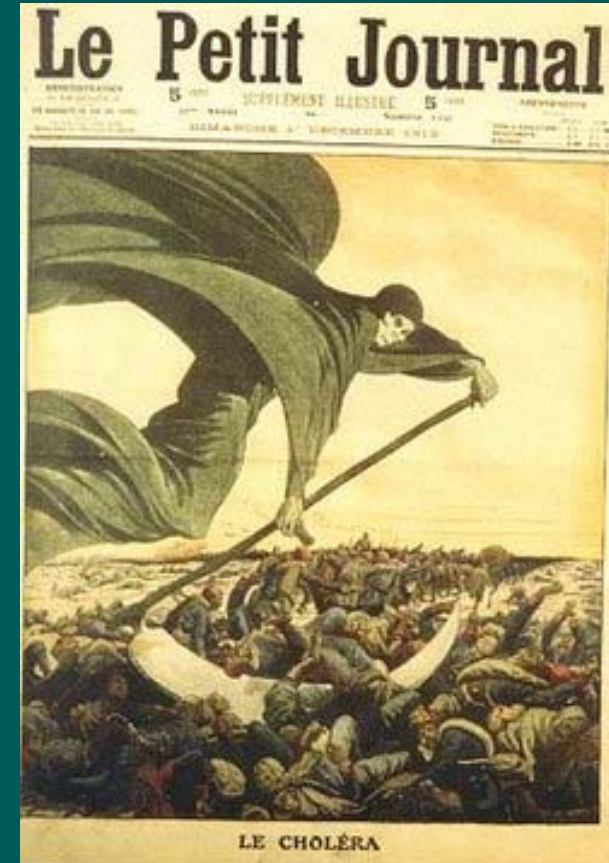
Transmission



Transmission



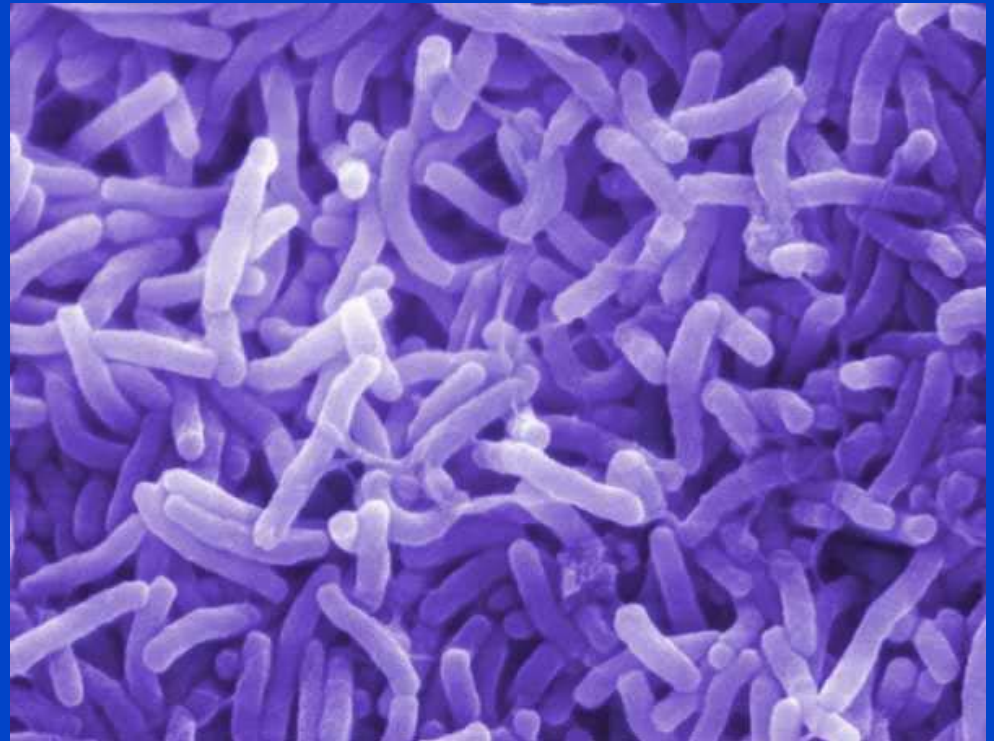
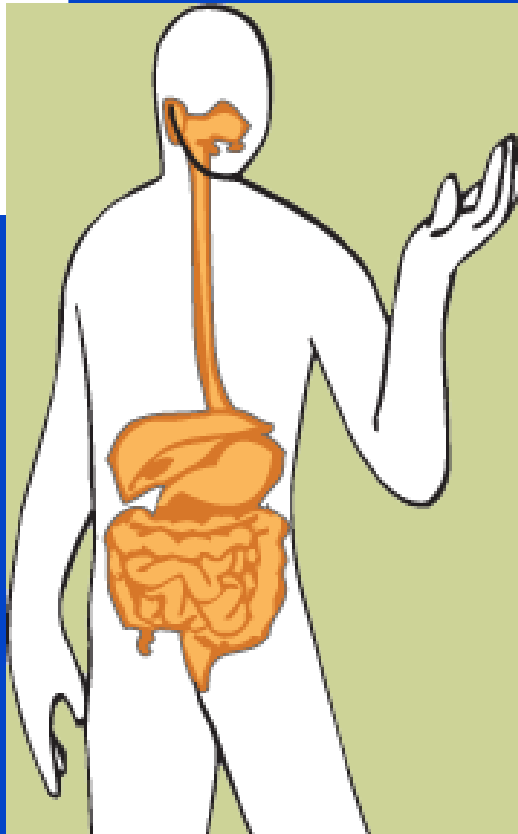
Pan American Health Organization
Armando



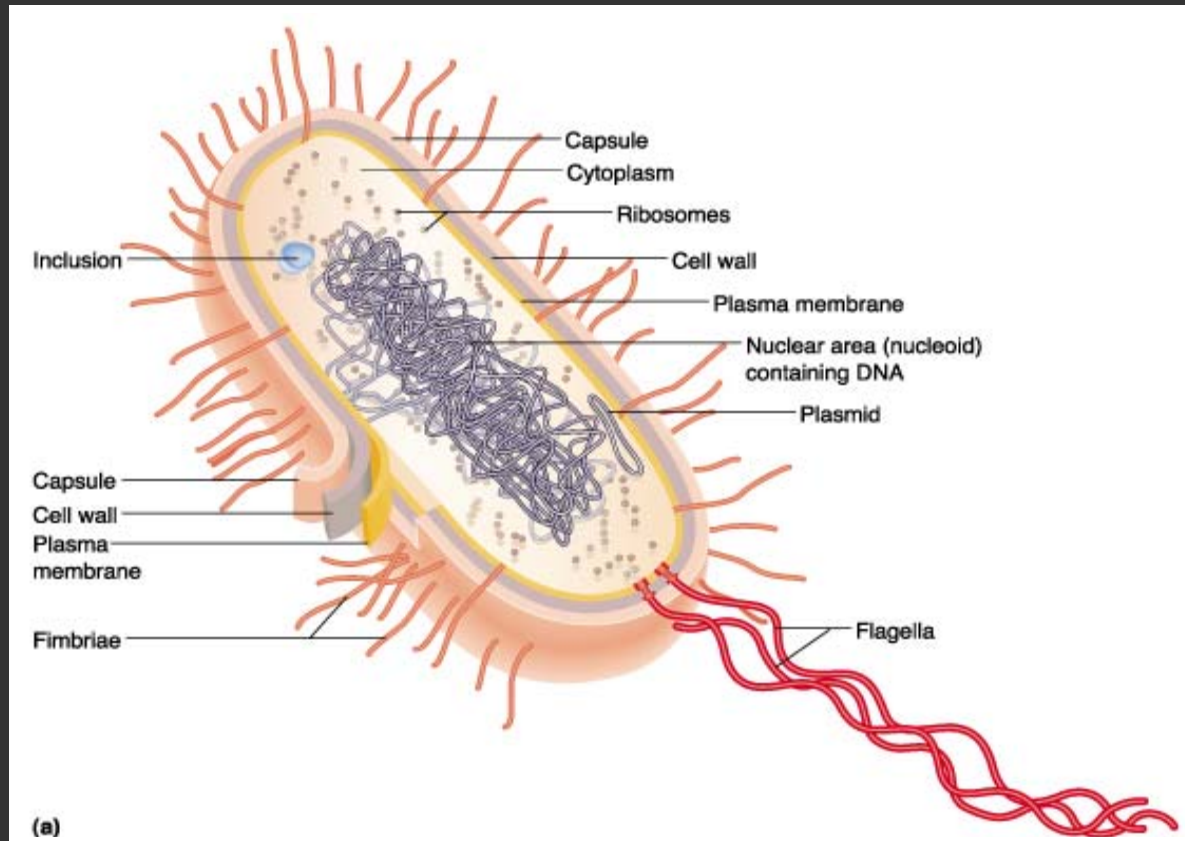
Colonization



Vibrio



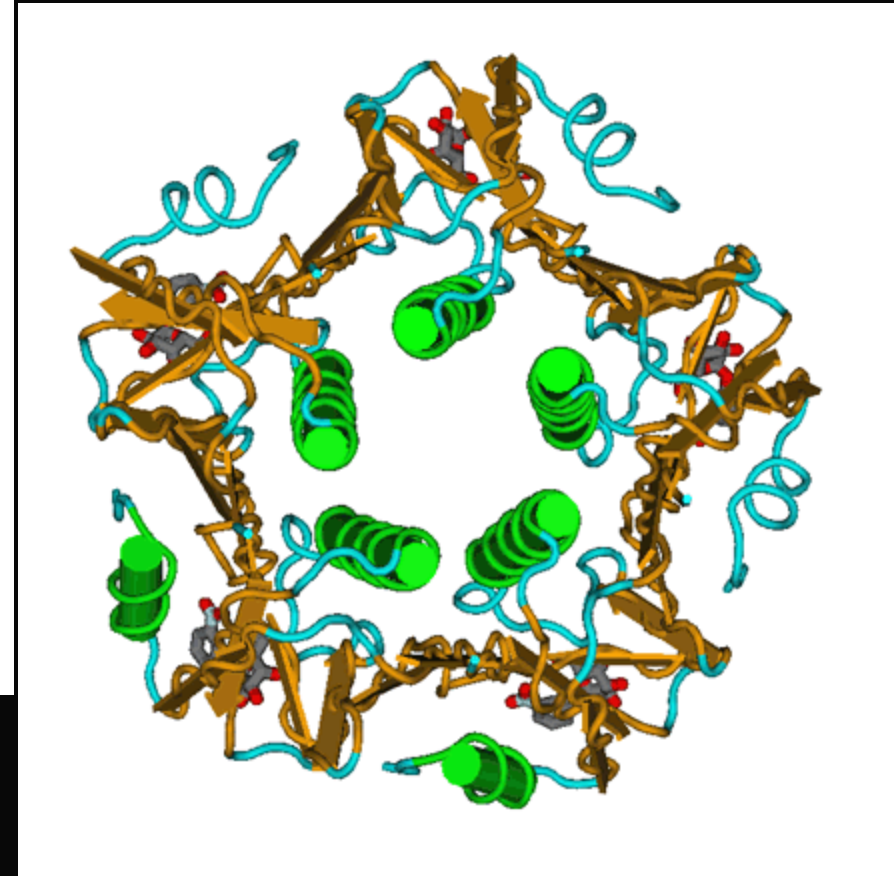
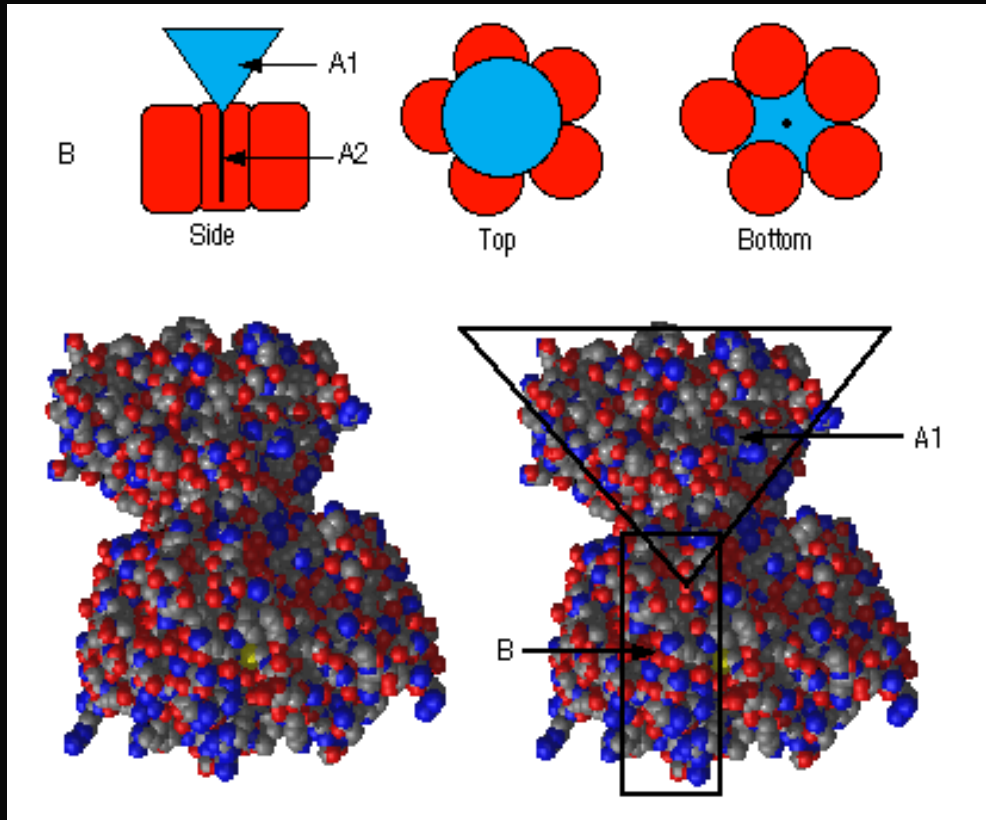
Colonization



Attachment fimbriae

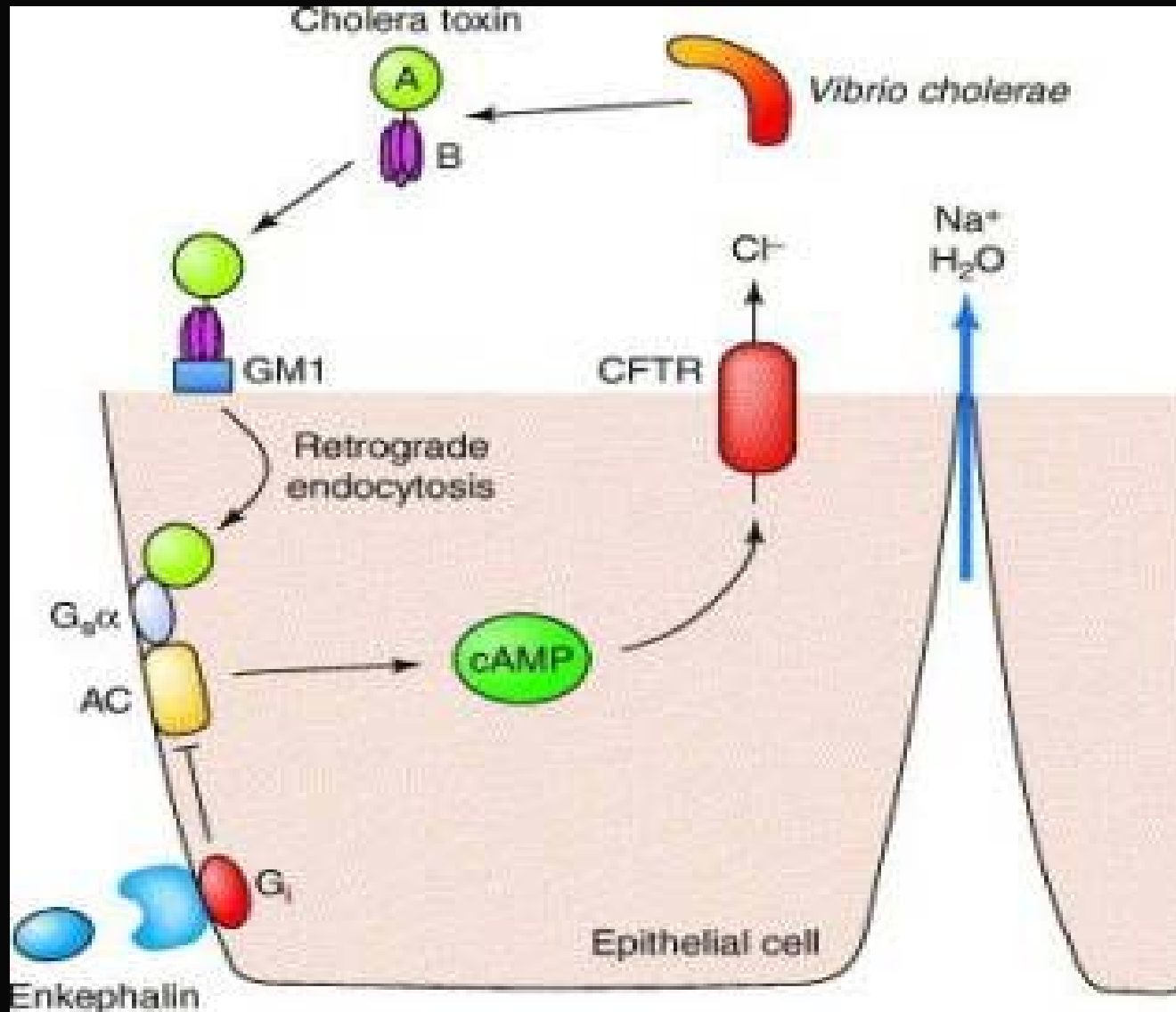
Toxinosis

STRUCTURE OF TOXIN



Toxinosis

ACTION OF TOXIN



SYMPTOMS



PREVENTION & TREATMENT



© CD-ROM ILLUSTRATED LECTURE NOTES ON TROPICAL MEDICINE

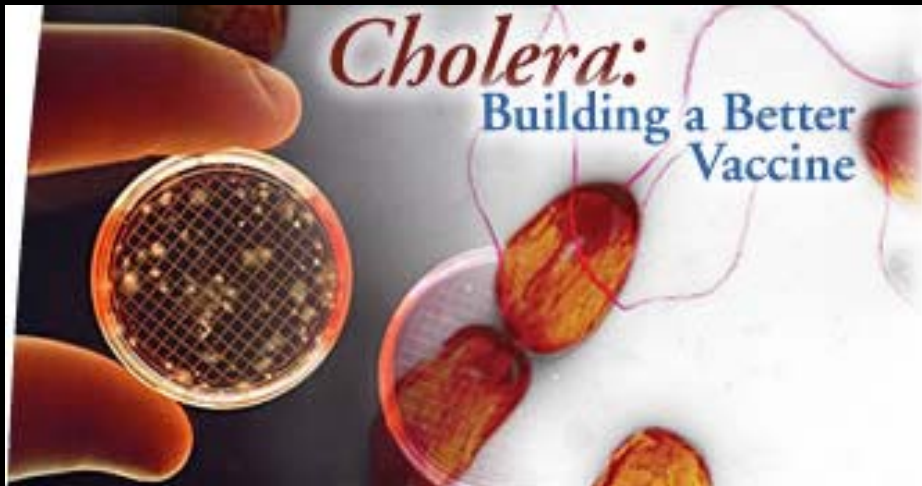
PREVENTION & TREATMENT



PREVENTION & TREATMENT



PREVENTION & TREATMENT



DUKORAL™ 1 Dose

Oral, Inactivated
Travellers' Diarrhea
and Cholera Vaccine

Vaccin Oral, Inactiv ,
contre la Diarrh e des
Voyageurs et le Chol ra

Oral suspension and
effervescent granules.
For oral use only.

Suspension orale et
granules effervescentes.
Par voie orale.

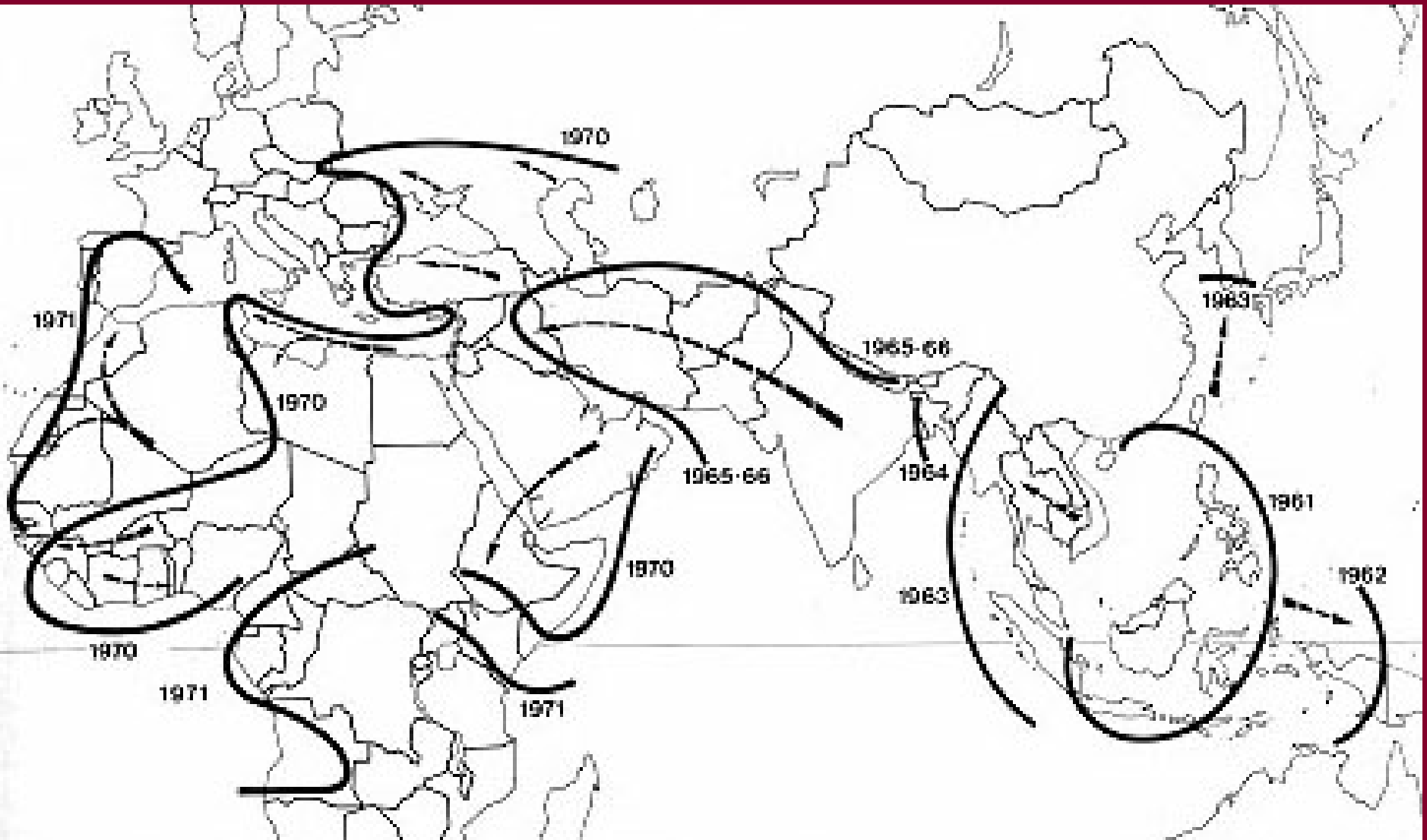
DIN 02347308

Aventis Pasteur

Aventis

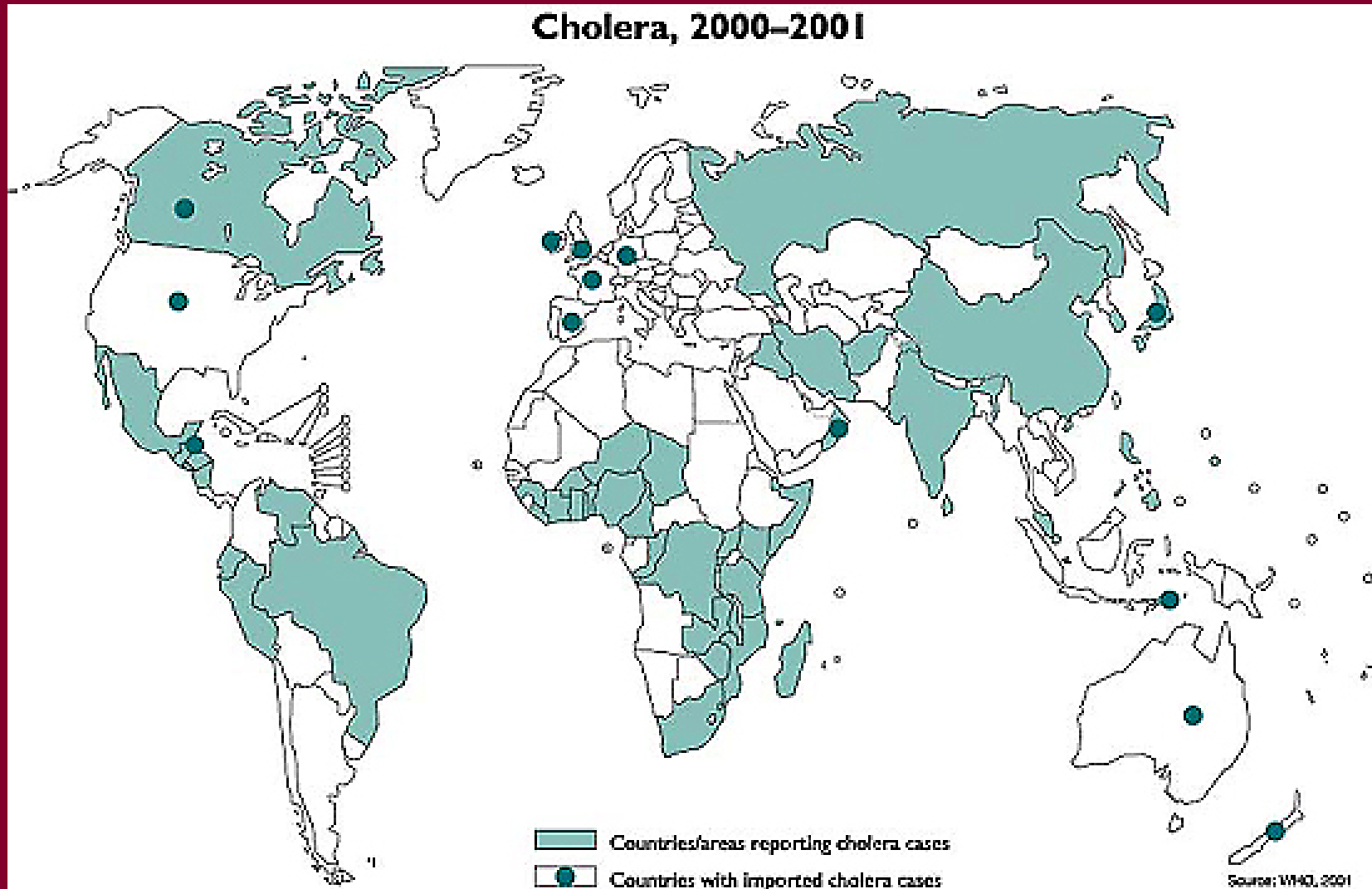
PANDEMICS

The seventh (current)



PANDEMICS

The seventh (current)



PANDEMICS

History



King Cholera



KING
CHOLERA

Pandemics

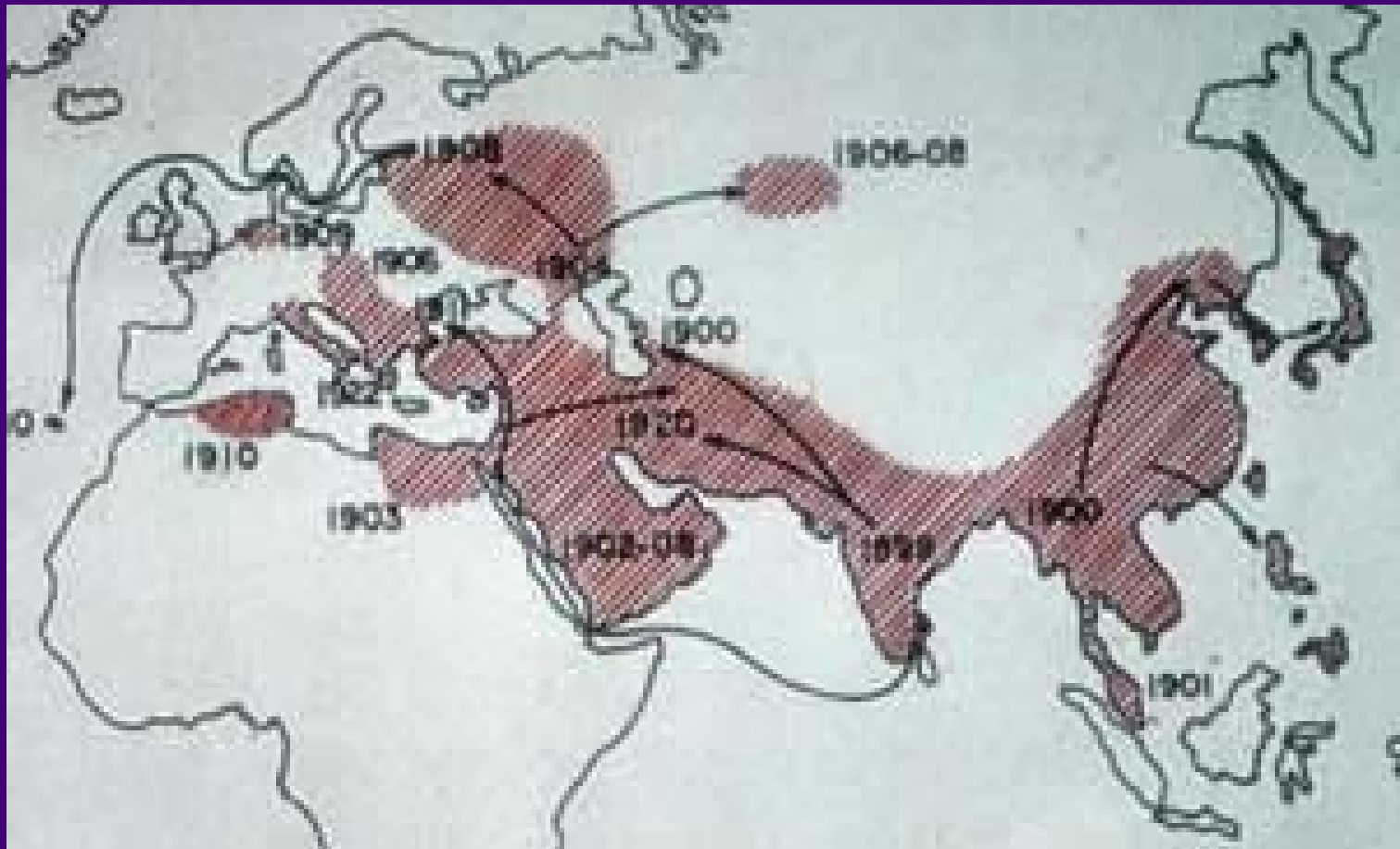
History



Jonh Snow's map The 3rd Pandemic

Pandemics

History



Sixth Pandemic - 1899-1923