



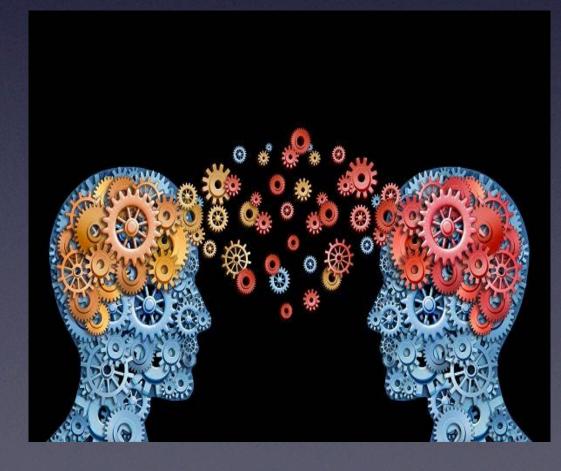
Prof. Eric C.M. van Gorp Dept. of Viroscience Erasmus Medical Center, Rotterdam, The Netherlands

Infectious diseases around the corner Malattie infettive dietro l'angolo

Knowledge as Antidote

Knowledge









CHANGE ATTITUDE



Prevention







Vaccination

Lifestyle and Hygiene

Environment





We are confronted with new outbreaks

Where do they come from?





Can we predict?









and

60% of all known infections 75% of all emerging pathogens



Zoonotic infections





Transmission risks

Living circumstances

HIRITICE HIRITICE TRAINE

THE A















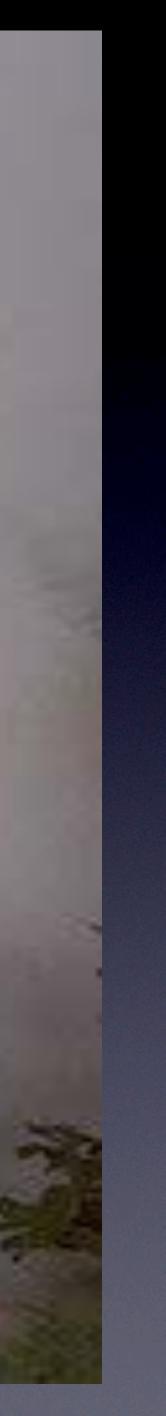
Can we predict?



Developing disease is the result of a complex

interaction between:

- Immune enhancement
- plasma leakage/ hemorrhagic tendency/ disease severity
- host factors
- virus/ virulence
- vector
- environment/ climate
- infection pressure/ immunity of the population





The one health approach





OneHealth Model

Prevention/Wellness Intervention Recovery/Rehabilitation

Zoonotic Infections

tervention: Vaccines and Therapeutics Sanitation Vector Control **Parasite Infections** Vector-Borne Infections Bacterial Infections **Iral Infections Bio Threats** Himicrobial Res **Rural & Global Health**



Comparative Medicine-Translational Medicine

Metabolic Disorders in Humans and Animals Cancer and Cardiovascular Disease in Humans and Animals Environmental Hazards Exposure to Humans and Animals Joint and Skeletal Diseases in Humans and Animals Human-Animal Bond





Are we prepared?





Voorkomen= Preventie

Voorbereiden op...

We are all 'detectives'





Emergency Management

Actie



Knowledge as antivirus La conoscenza come antidoto ai virus



Lack of knowledge = Fear Mancanza di conoscenza = Paura



Infectious diseases in the news



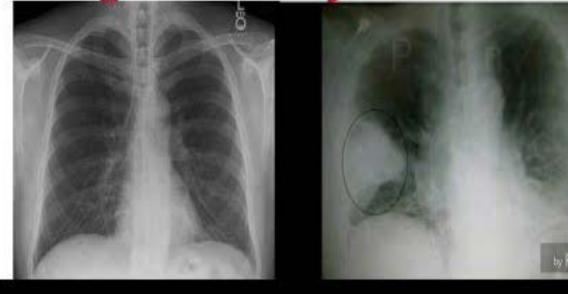
DISEASE X: MYSTERY ILLNESS COULD KILL MILLIONS

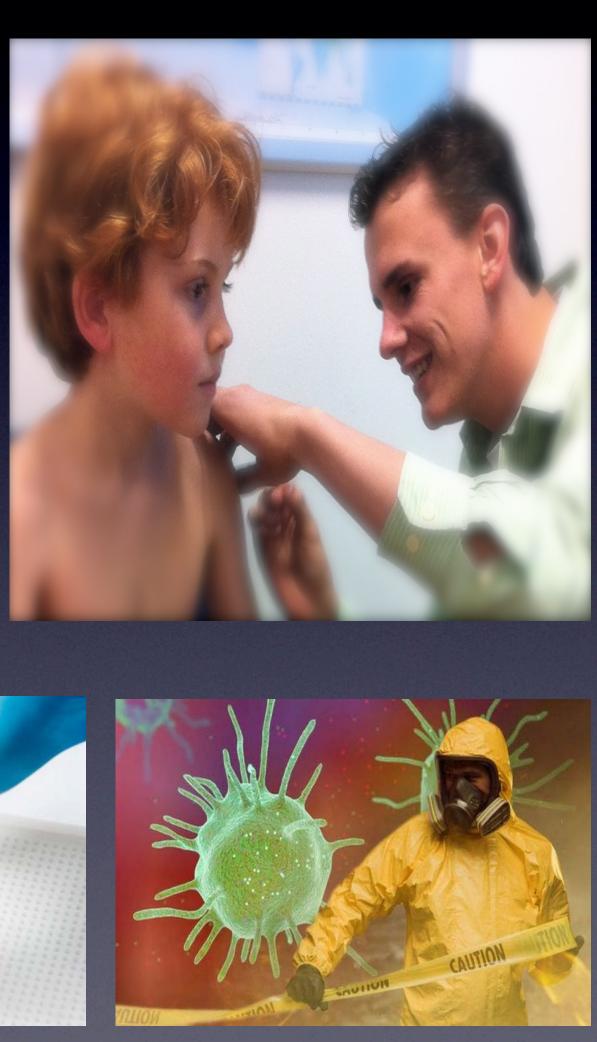






Chest X Ray IN Respiratory Diseases





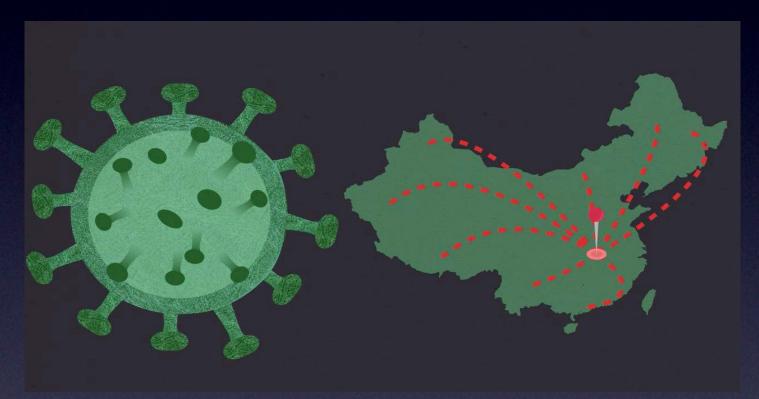






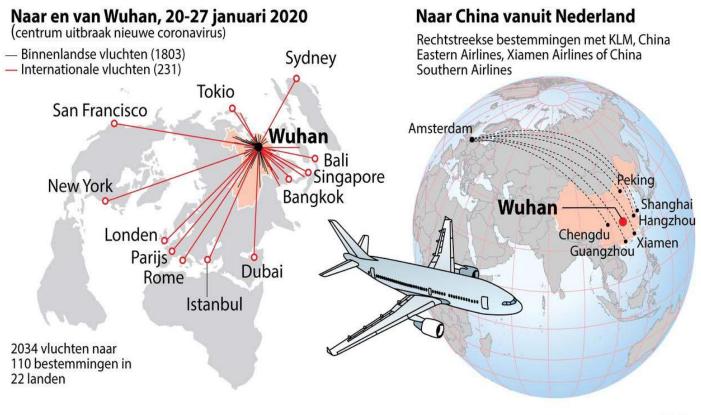


The new Corona virus COVID-19





Virusvrees rond lijnvluchten naar China







2018 South Korea Olympic Winter Games





Zika virus outbreak Surinam 2015-2017



INFECTIOUS DISEASE 07 01 Microcephaly-Zika Link Is International Emergency: WHO fort needed to 'get to the bottom this,' Chan says WHO announces a Public Health Emergency of International Concern

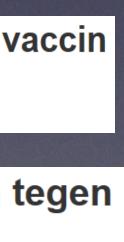




Suriname versus zika

DERELATEROF APPIKELES







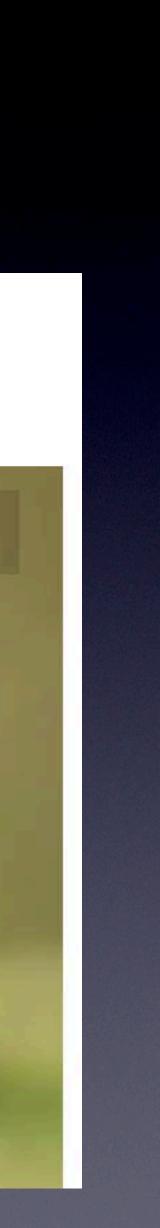
West Nile virus in the Netherlands



Westnijlvirus voor het eerst gevonden bij vogel in Nederland









Measles in Italy





Transmission risks

- Foodborne infections Norovirus
- Waterborne infection Cholera
- Mosquito borne infections Dengue/ YF/ JEV/ WNV/ Malaria
- Rodent borne infections Hanta virus, Leptospirosis
- Blood borne infections Hepatitis (B & C)/HIV/Ebola
- Airborne infections Influenza /Mers-Co
- SOA HIV, hepatitis, ...











Airborne



Influenza = Flu

Cast.



Rodentborne







Vellow fever

Mosquitoborne







Bat borne





Henipavirus









Food and Waterborne



Bloodborne







Viral hepatitis B and C

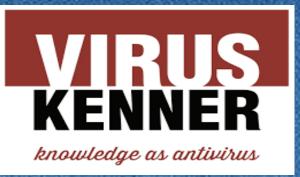


SEXUAL TRANSMITTED DISEASES [STD's]









a world in control







