



– One Surveillance System

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(ISID)*

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&

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Surveillance requirements

- cover outbreaks of emerging diseases:
 - *Zoonoses (shared human-animal)*
 - *Livestock*
 - *Wildlife*
 - *Food & feedstocks*
- one-stop
- near-real time
- in English, also official UN languages
- include maps & relevant images

The system already exists

- **Human, animal & crop diseases**
- **On the Internet**
 - e-mail
 - website
- **Free public access**
- **Updated 365 days/year**
- **40,000 e-mail subscribers in 180 countries**
- **Languages:**    
  



<www.promedmail.org>

Recent reports on ProMED

Sep. 2007 Hi-lites

- Ebola hemorrhagic fever – *Congo DR*
- Avian flu – *S.E. Asia*
- Foot-&-mouth disease – *UK*
- Bluetongue – *UK*
- Wheat streak mosaic virus – *Australia*

Selected reports from ProMED

- Zoonoses – World
- Zoonoses – **Brazil**
- Livestock diseases – World
- Livestock diseases – **Brazil**
- Zoo animals – World
- Zoo animals – **Brazil**
- Food & feedstocks – World
- Food & feedstocks - **Brazil**



Zoonoses – World



- Avian influenza, H5N1 – *Asia, Europe*
- Avian influenza, H9N2 – *China, Colombia, Saudi Arabia, UK*
- Avian influenza, low path. – *Worldwide*
- Anthrax – *Worldwide*
- Ebola hemorrhagic fever – *Congo DR*
- Hantavirus infection – *Worldwide*
- Rabies – *Worldwide*
- *Angiostrongylus* – *Canada, China, Dominica, USA*

Bushmeat, Africa





Zoonoses – Brazil



- Rabies, human, vampire bats – *Maranhão, Pará*
- Yellow fever – *Minas Gerais, Rio Grande do Sul, Tocantins*
- Trypanosomiasis, foodborne – *Amazonia, Santa Catarina*
- Hantavirus infection – *Amazonas, Fed. District, Maranhão, Minas, Santa Catarina, São Paulo*
- Leishmaniasis, visceral – *Mato Grosso do Sul, Rio de Janeiro, São Paulo*
- Spotted fever – *Minas Gerais, Rio de Janeiro, São Paulo*

Livestock diseases - World

- Foot-&-mouth disease – *UK (England)*
- Bluetongue – *UK (England)*
- Equine influenza, equine – *Australia ex Japan*
- African horse sickness – *Senegal (suspected)*
- African swine fever – *Georgia, Gambia (susp.)*
- Epizootic hemorrhagic disease, cervids – *USA*
- Viral hemorrhagic septicemia, fish – *Canada*



Livestock diseases - Brazil

- Foot & mouth disease, **bovine** – *Mato Grosso do Sul*
- Newcastle disease, **poultry** – *Mato Grosso*
- Classical **swine** fever – *Paraíba*
- Rabies, **equine & bovine** – *Fed. District*
- Rhinotracheitis, **bovine** – *Mato Grosso do Sul*
- Glanders, **equine** – *Alagoas, Paraná, Santa Catarina*
- Bluetongue, **sheep** – *Paraná*
- Coronavirus, **chicken**, new – *São Paulo?*
- Scrapie, **sheep** – *Paraná*



Zoo animals – World

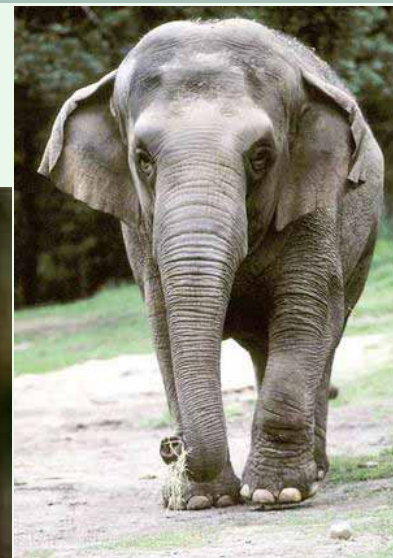


- Foot & mouth disease, zoo – *India*
- Avian influenza, zoo birds – *Indonesia*
- Avian influenza, zoo tigers – *China*
- Avian influenza, zoo tigers, leopards – *Thailand*
- Trypanosomiasis, zoo tigers – *India, Pakistan*
- Penguin die-off, zoo – *Australia*
- Chlamydiosis, zoo penguins – *USA*
- West Nile virus, zoo polar bear – *Canada*
(suspected)
- E. coli O157, petting zoo – *USA*
- Toxoplasmosis, zoo kangaroo – *USA*

Zoo animals - Brazil

- Poisoning, zoo animals - *São Paulo* 2004

1 elephant, 1 pygmy anteater, 2 golden-faced tamarins, 3 chimps, 3 tapirs, 3 camels, 37 porcupines



Wildlife – World 2007

- Anthrax, bovine, wildlife – *USA*
- Anthrax, **human**, wildlife – *Kyrgyzstan*
- Anthrax, livestock, wildlife – *Namibia*
- Anthrax, wildlife – *Botswana (Chobe Natl Park)*
- Mycobacterium bovis, wildlife – *South Africa (Kruger Park)*
- Anthrax, **human**, livestock, wildlife – *Kenya*
- Ebola hemorrhagic fever, wildlife – *Congo Rep., Gabon*
- Hepatitis E virus, wildlife to **humans** – *Japan*

Wildlife - Brazil

- Yellow fever, **human**, monkey – *Minas Gerais*
- Yellow fever, **human**, monkey – *Rio Grande do Sul, Tocantins*
- Plague, **human**, rodents – *Bahia, Ceará*
- Diphyllobothriasis, **human**, sea food – *Fed. District, Minas Gerais, Rio de Janeiro, São Paulo*
- Diphyllobothriasis – **human**, sea food – *Netherlands ex Brazil: (suspected)*

Food & feedstocks - World

- Bacterial leaf blight, **rice** – *India*
- **Banana** bunchy top virus – *USA*
- *Columnea* latent & **tomato** chlorotic dwarf viroids – *UK*: 1st report
- Fungal diseases, **wheat & pulses** – *Australia*
- Asian **soybean** rust – *Ghana*: 1st report
- Fireblight, **apple, pear** – *Ireland*: alert
- Yellow leaf disease, **sugarcane** – *India*
- Fungal head blights, **wheat** – *UK*

Food & feedstocks – Brazil



- **Soybean** rust, Asian strain – *Paraná*:
1st report 2004
- Huanglongbing, **citrus** – *new strain?*
São Paulo 2004
- Citrus sudden death, **oranges** – *Minas Gerais,*
São Paulo
- Downy mildew, **cucurbits** – *Minas Gerais*
- Black rot, **lettuce** – *Roraima?: 1st report 2005*
- Powdery mildew, race 2, **melon** – *São Paulo*
- *Monosporascus* sp., **vine decline**, **melon** –
Rio Grande do Norte, Ceará

ProMED-PORT:

Surto selecionados - Mundo

- Ebola – *Rep. Dem. do Congo*
- Influenza H5N1, caso humano – *Indonésia*
- Influenza H5N1, aves – *Índia*
- Peste suína clássica – *Rúmenia*
- Febre aftosa, surto – *Reino Unido*
- Encefalite japonesa – *Nepal*
- Vírus do Nilo Ocidental – *EUA*
- Anemia infecciosa, salmão – *Chile*
- Doença de Newcastle – *Uganda*

ProMED-PORT:

Surtos selecionados - Brasil

- Leishmaniose visceral, canina, **humana** – (MG, MS)
- Hantavirose – (DF)
- Ferrugem asiatica, soja – (MG, PR)
- Brucelose, bovinos – (RO)
- Anemia infecciosa, galinhas – (RS)
- Febre maculosa, capivaras, **humanos** – (SP, MG)



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