### Epidemiologic flashes & edge cutting news / new vaccines

Steven Callens, MD, PhD **Ghent University Ghent University Hospital** 

### Global Surveillance

### GeoSentinel

- Clinic-based global surveillance system that tracks infectious diseases and other adverse health outcomes in
  - returned travelers.
  - · foreign visitors, and
- 54 travel/tropical medicine clinics wordwode

### GeoSentinel network membership program

- 235 additional clinics in 40 countries on six continents (including Antwerp, Brussels and Ghent)
- Report unusual or concerning diagnoses in travelers
- Might be asked to perform enhanced surveillance in response to specific health events or concerns

MMWR: July 19, 2013 / 62(SS03);1-15

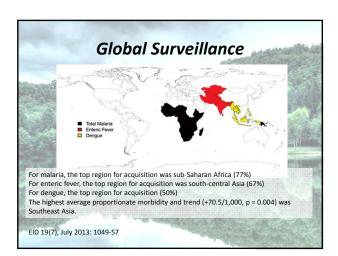
### Global Surveillance

- September 1997–December 2011
  - Data were collected on 141,789 patients with confirmed or probable travel-related diagnoses
- 23,006 (16%) patients were evaluated in the United States,
  - $10,\!032\,(44\%)$  of whom were evaluated after returning from travel outside of the United States (i.e., after-travel patients)

    - 1:1 sex distribution
       1:1 sex distribution
       84% in outpatient setting
       76% born in the USA
       99% with residence in US
      Reason for travelling:
  - - Tourism (38%),
       Missionary/volunteer/research/aid work (24%),
       Visiting friends and relatives (17%), and
       Business (15%)

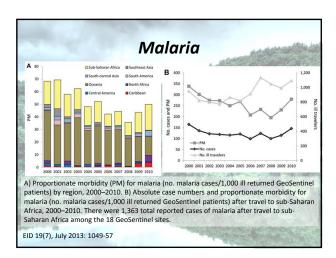
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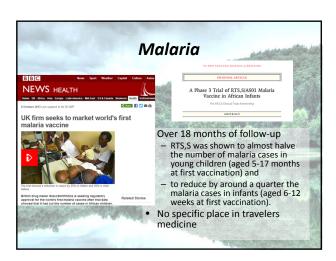
## Clobal Surveillance 13,059 diagnoses Most common diagnosis acute unspecified diarrhea (8%), acute bacterial diarrhea (5%), postinfectious irritable bowel syndrome (5%), giardiasis (3%), and chronic unknown diarrhea (3%) Most common diagnostic grouping acute diarrhea (22%), nondiarrheal gastrointestinal (15%), febrile/systemic illness (14%), and dermatologic (12%). Among 1,802 patients with febrile/systemic illness diagnoses Within febrile illness: the most common diagnosis was Plasmodium folciparum malaria (19%) Geosentinel allowed prompt responses to important health events affecting travelers; during 2010 and 2011 East African trypanosomiasis in Eastern Zambia and North Central Zimbabwe P. vivax malaria in Greece Muscular sarcocystosis on Tioman Island, Malaysia

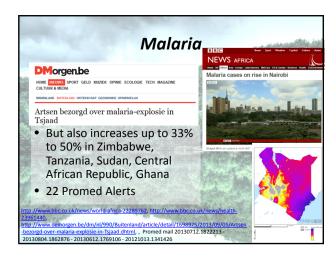


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, bestemi	ming, vei	blijfsduu	r en mot	ief	
Reis van 1 tot er		nachten	Reis van	Reis van 4 nachten e	
Totaal	Vakantie	Zaken- toerisme	Totaal	Vakantie	Zaken- toerisme
5.613.805	5.149.742	464.063	9.571.541	9.289.463	282.078
5.533.939	5.104.044	429.895	7.872.235	7.699.266	172.969
79.867	45.698	34.168	1.699.306	1.590.197	109.109
			41.293	41.293	
3.944	1.165	2.779	327.676	325.629	2.048
38.254	17.927	20.327	244.741	233.901	10.840
19.677	14.984	4.693	134.624	134.624	
14.688	11.623	3.065	416.006	400.906	15.100
			110.237	105.507	4.73
			229.834	201.118	28.71
3.304		3.304	167,691	123.361	44.330
	Totaal 5.613.805 5.533.939 79.867 3.944 38.254 19.677 14.688	Destemming, verification (No. 1) (No.	Reis van 1 tot en met 3 nachten   Zaken-	Desterming, verblijfsduur en mot	Desterming









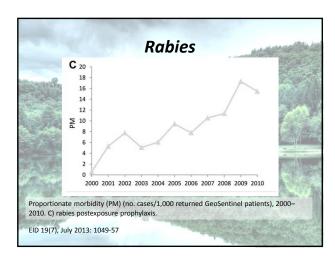
Yellow Fever								
Son	ne major	YF out	breaks i	n Africa	• 3 waves of vaccination -			
Year	Country	Cases	Deaths	CFR (%)	<ul><li>epidemic has ended</li><li>Other (smaller) outbreaks</li></ul>			
2012	Sudan	849	171	20.2	occured in Chad, Cote			
2011	Uganda	226	53	23.4	d'Ivoire, Togo, Niger, DRCongo, Nigeria, Congo			
2005	Sudan	615	183	29.7	(Brazzaville), Sudan and			
2003	South Sudan	178	27	15.1	<ul><li>Ethiopia.</li><li>In 2012: some lasting</li></ul>			
2001	Cote d'ivoire	169	20	11.8	transmission in Uganda (after 40 years absence)			
2000	Guinea	512	190	37.1	<ul> <li>72 Promed mails (most relating to Sudan)</li> </ul>			

## In the light of the temporary stock rupture of Stamaril® and hence the scarcity of the vaccine, a PRUDENT strategy to implement the less stringent criteria for YF vaccination is PROPOSED AN UPDATED YELLOW-FEVER-COUNTRY-LIST WILL BE CONSTRUCTED IN THE FOLLOWING DAYS For countries WITH RISK of yellow fever transmission For countries WITH RISK of yellow fever transmission One vaccination is valid for life (\*) (c) (STILL) REQUIRBING a renewed proof of vaccination after 10 years One was considered for the duration of wellow fever transmission of the duration of wellow for validity (8 explain thoroughly—see \*\*)

### Yellow Fever

- Availability of Multi Dose Vial
  - Naam : Stamaril® 10fl. 10 d. per flacon + Solvant 10 ampoules 10d. per ampoule
  - Lot: J5449-1 -Vervaldatum: 31.08.2015
  - Prijs: 1.437 € exclusief BTW
- And then there are "fake cards" in Nigeria

Mail F Van Gompel - Promed Mail 20130827.1906967 - Brief Sanofi Pasteur - 3 okt 2013



- Bali (Indonesia) - 2008: 4 cases

  - 2010: 82 cases (mass animal vaccination program was launched in Bali)

**Rabies** 

- 2011: 24 cases
  2012: 8 cases (reintroduction in canine, 5 humans bit) Beperkte beschikbaarheid vaccin
- - RABIËS MERIEUX HDCV van de firma Sanofi Pasteur MSD is op het moment onbeschikbaar voor tenminste 6 maanden (datum update?)
- 131 Promed Mail

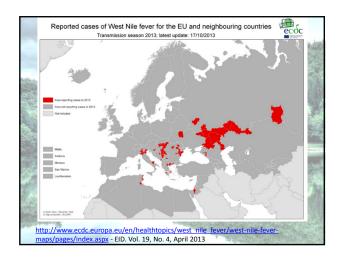
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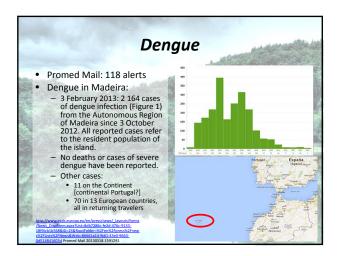
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## Italy: JEV NSS gene (expected size, 215 bp) were obtained from tissues of six birds collected in 2000 Limited JEV circulation has occurred between birds and mosquitoes in Italy but no human cases have been observed, as in Australia since 1995. Relatively low availability of amplifying hosts (pigs) in that area Low vector competence of European Culex pipiens Low capability of local birds to maintain a persistent JEV circulation or other factors suppressing the JEV epidemic cycle, and Limited or absent human exposure. As a result, the strategy for the laboratory differential diagnosis of neuroinvasive cases occurring in humans and horses during the mosquito season may have to include JEV in the panel of viruses under investigation.

Euro Surveill. 2012;17(32):pii=20242

# West Nile Virus in a Belgian traveler A 73-year-old Belgian woman, who had a medical history of lymphoma, traveled to Kavala city (Macedonia, Greece) Developed 6-day history of fever, headache, malaise, nausea, confusion, decline of consciousness, and neck stiffness. Latest human cases reported from Italy, Montenegro. Spain reported cases in horses West Nile Fever Week 42 17.10.2013 West Nile Fever Number of the arms of the below to the second light and the second





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