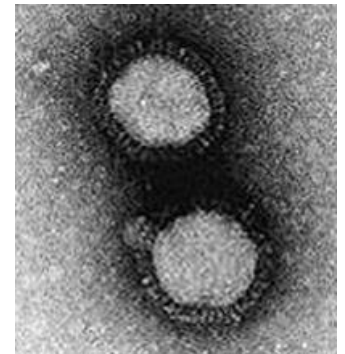


Trends in Influenza Funding and Research

Stacey Schultz-Cherry
Associate Member, Department of Infectious
Diseases





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My Charge...

1. Trends in Influenza Funding
2. Trends in Influenza Publications (research)
 - animal versus human influenza
 - species
 - areas of research (topics)

DEFINING FUNDING AND RESEARCH GAPS

THANKS!! Keith Hamilton, Sadhana Sharma, Gwen Dauphin, David Swayne,
Francesco Berlingieri, Cyril Gay, Peter Johnson

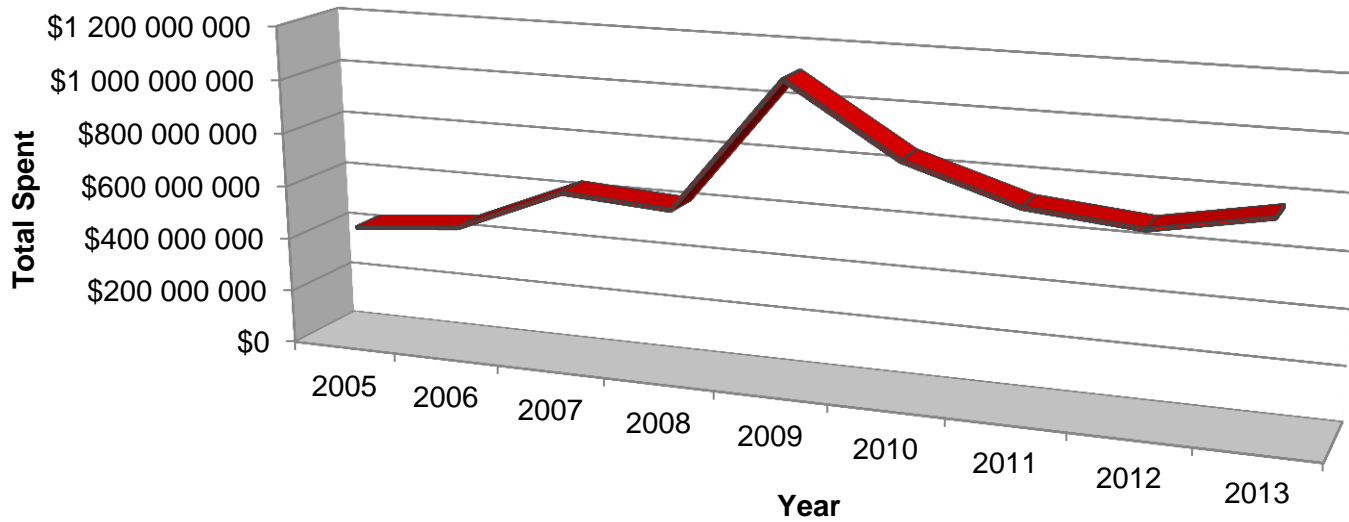


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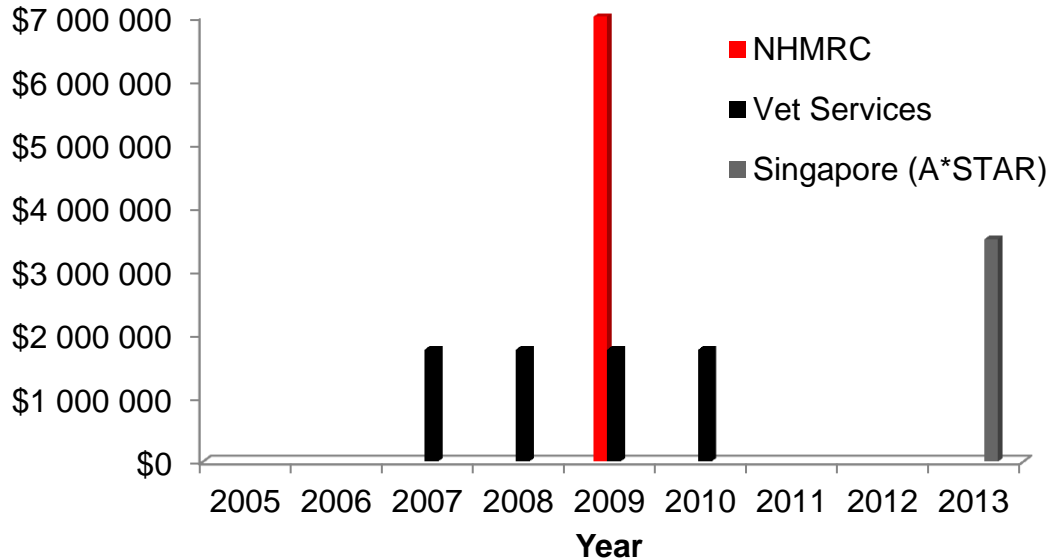




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Topics

- Basic research – geared towards human
- Vet Services (AusAid) AI surveillance in SE Asia
- Wild bird surveillance (2005 – 2012)
- A*STAR (vaccines, drug resistance...)



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Trends in Influenza Funding

FAO

- 10% - 20% portfolio
- 1^o avian
- Value chain & socioeconomic analysis
- Vaccine & vaccination strategies
- Risk modeling

EU

Name	Species	Focus
AIV-VACC	Avian	vaccine, diagnostics, immunology
FLUAID	Avian	tools to manage AI in crisis
Novaduck	Avian	vaccine-ducks
Healthy Poultry	Avian	prevention, control, monitoring epizootics
FLUPATH	Avian	pathogenesis
New-Flubird	Avian	Migratory birds AI early warning network
FLURESIST	Avian	environmental control
RIVERS	Avian	environmental control
FLUTEST	Avian	Early diagnosis and warning system
FLU-LAB-NET	Avian	Lab network
FLUTRAIN	Avian/general	Training (general)
ConFluTech	Avian	capacity building
ESNIP 2	Swine	Surveillance Network
ESNIP 3	Swine	Surveillance Network
FLUPIG	Swine	Pathogenesis and transmission in pigs





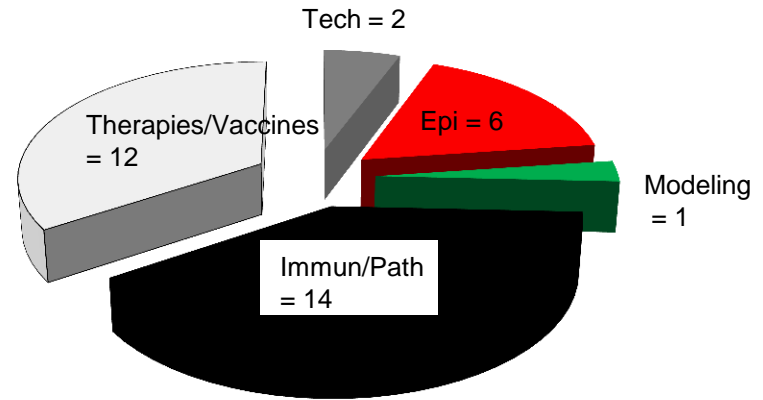
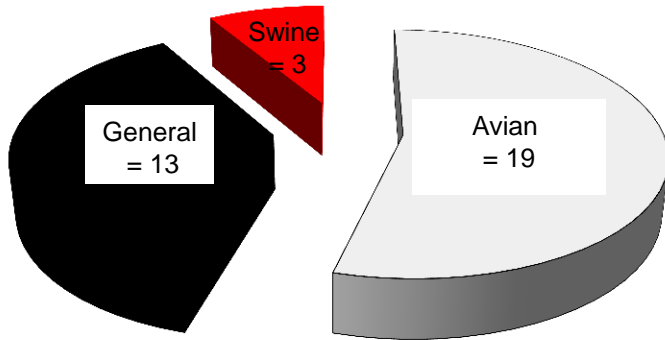
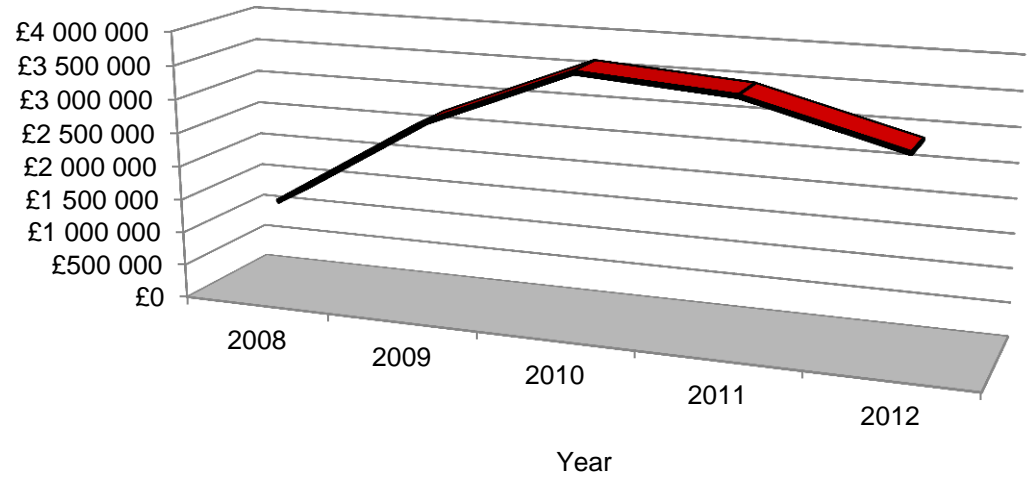
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Trends in Influenza Funding





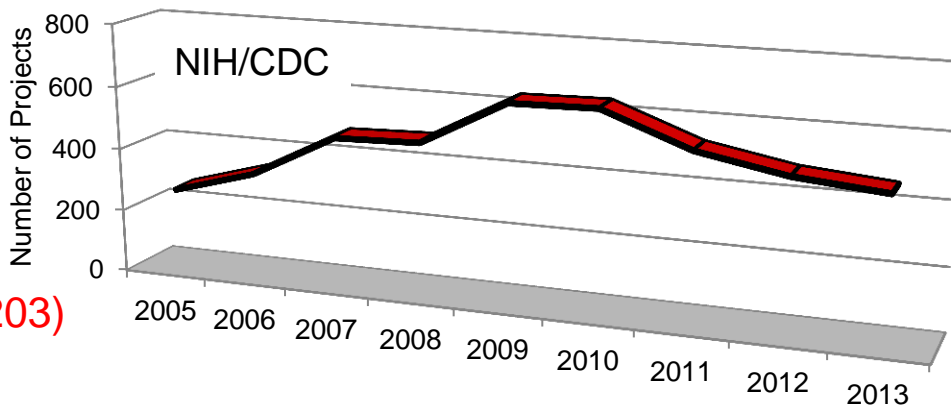
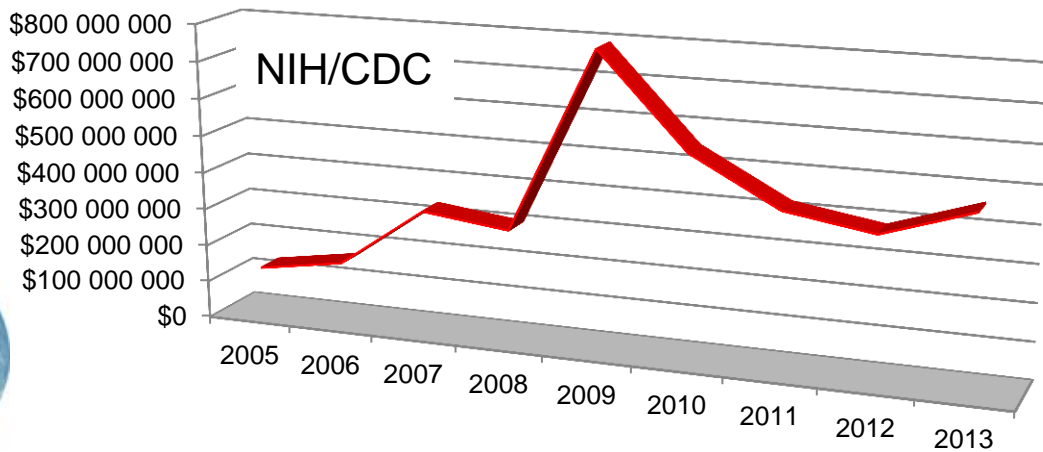
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Trends in Influenza Funding



- 2013 below 2007 levels
- 2007 = start of CEIRS
- 4276 funded projects (\$3,537,940,203)
 - Molecular (\$509,285,216)
 - Pathogens (\$1,804,538)
 - Very few in most species (\$21,470,900)
 - Animal-human = 4 (\$1,700,007)



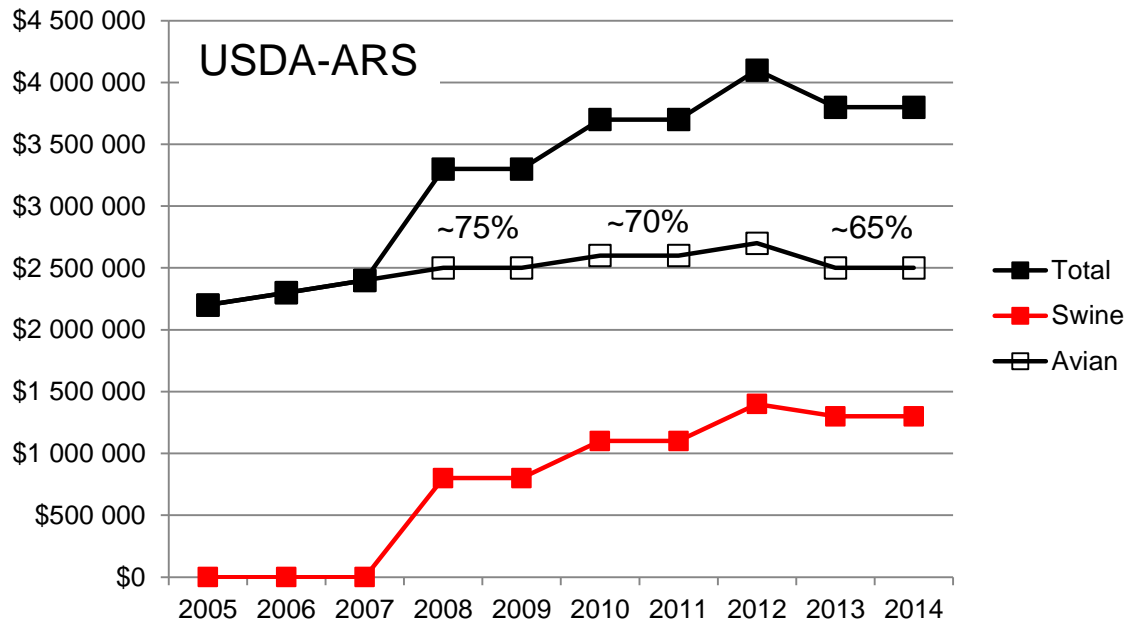
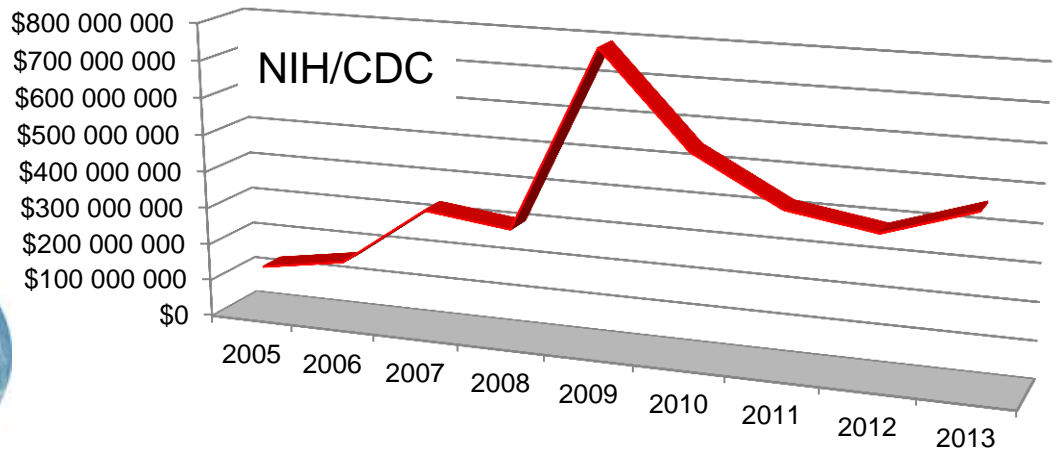
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Trends in Influenza Funding



Trends in Influenza Funding Conclusions



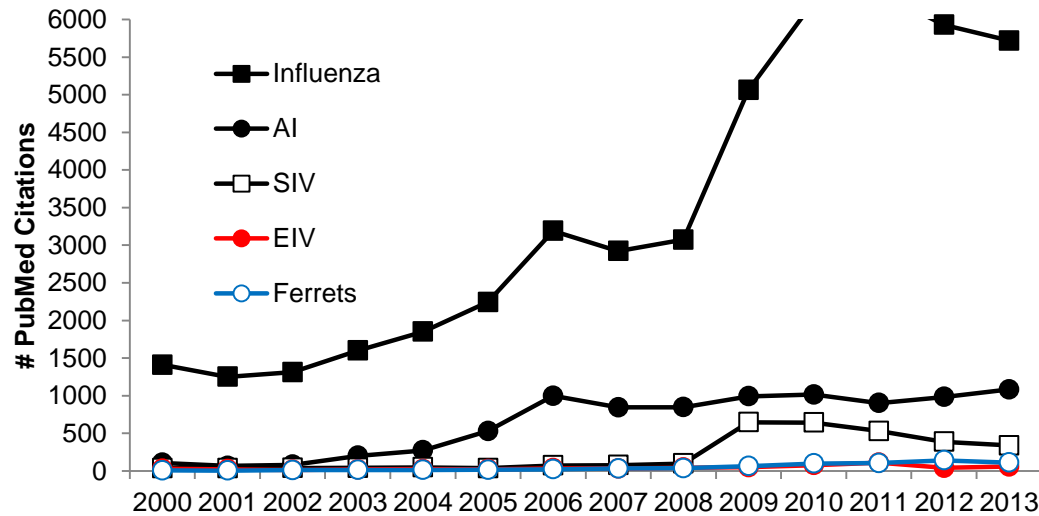
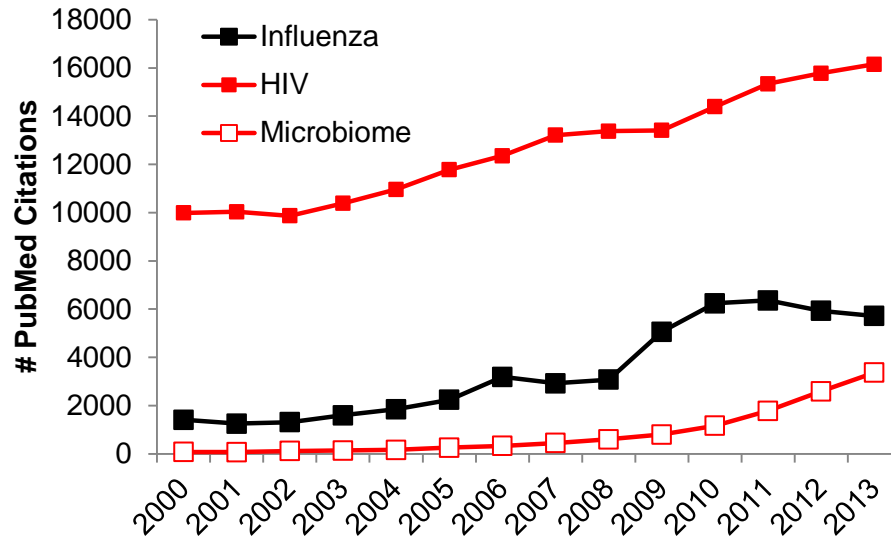
- Funds decreasing
- Human vs. animal/veterinary
- Avian vs. swine vs. equine
- Surveillance vs. basic/applied research

Ways Forward?

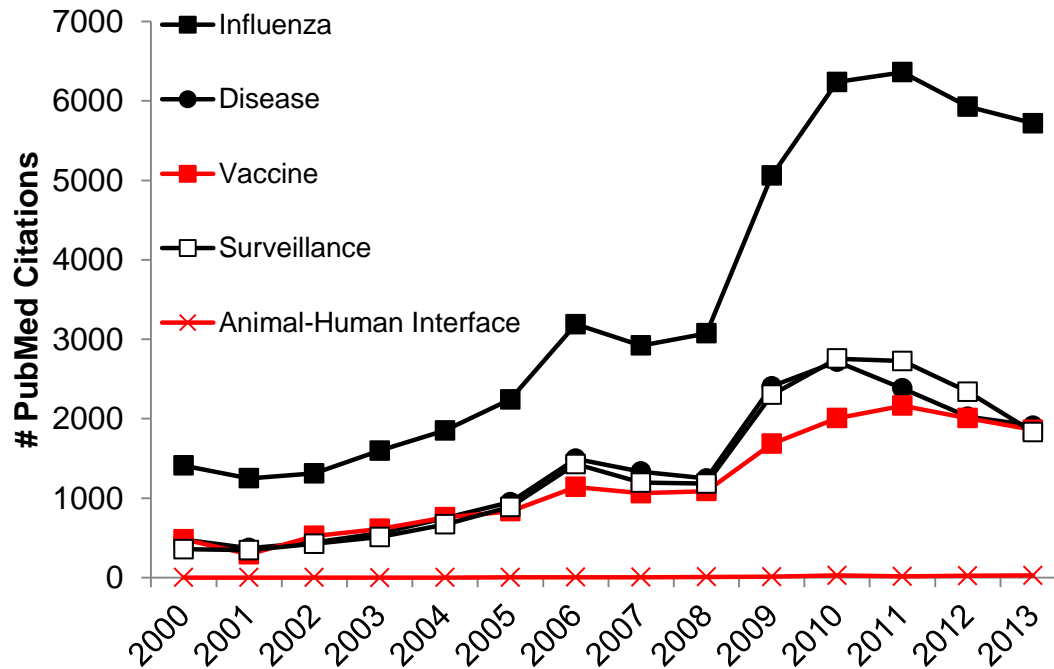
What about publications?



Trends in Influenza Publishing

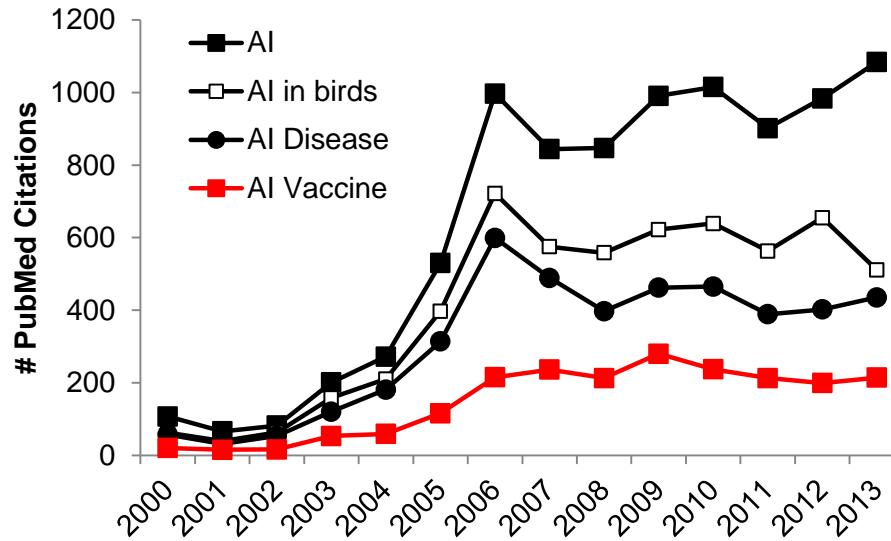
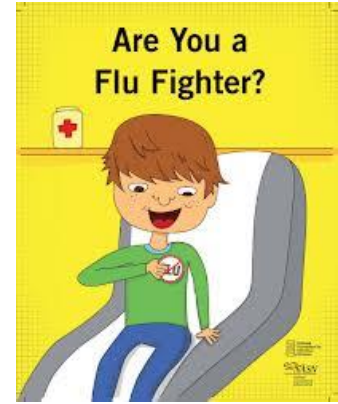


Trends in Influenza Publishing

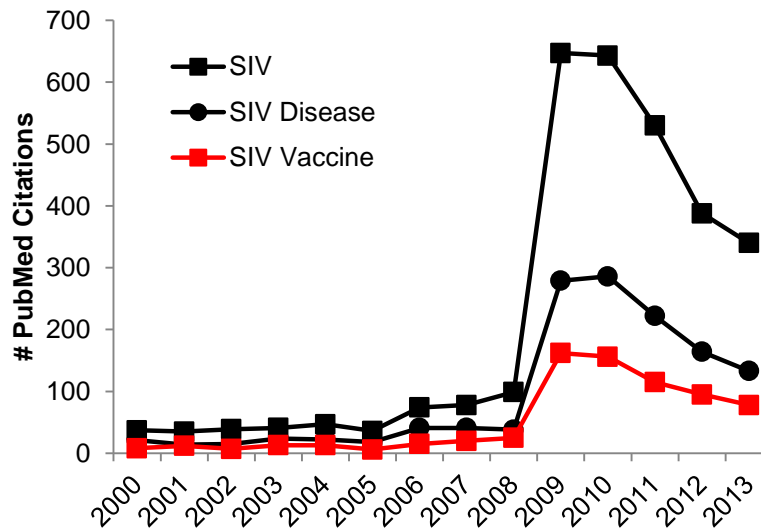


Animal-Human Interface increasing since 2010

Trends in Influenza Publishing



Equine <10 – 20s



Trends in Influenza Publications Conclusions



- Increasing
- Topic
- Species
- Surveillance vs. basic/applied research
- Pandemic

Ways Forward?



Animal Influenza Meetings

9th International Symposium on Avian Influenza

- 12 - 15 April, 2015
- **University of Georgia, Athens GA, USA**
- Co-chairs: David Swayne, Ian Brown, David Stallknecht
- David.swayne@ars.usda.gov

OFFLU Meeting, 15 April 2015

- secretariat@offlu.net

3rd International Neglected Influenza Viruses Meeting

- 15 - 17 April, 2015
- **University of Georgia, Athens GA, USA**
- Co-chairs: Tom Chambers, Stacey Schultz-Cherry