

**Pandemic Threats: News & Guidance Links for Health Professionals & Outbreak Responders**  
Updated August 1, 2018, with best general links in yellow. (Input to [estarbuck@savechildren.org](mailto:estarbuck@savechildren.org) please)

- 1. Outbreak Alerts & Generic Guidance - official sites** (sometimes a little slow with breaking news)
- [www.who.int/csr/don/](http://www.who.int/csr/don/) **WHO** Global Alert & Response (GAR) 1<sup>st</sup> WHO posts on disease outbreaks
- <https://twitter.com/WHO> Official WHO Twitter. Also see: <https://twitter.com/HaertlG>
- <https://www.facebook.com/WHO> WHO Facebook (used by WHO for press conferences)
- <https://openwho.org/> **OpenWHO** is WHO's new interactive, web-based, knowledge-transfer platform offering online courses to improve the response to health emergencies.
- <http://ecdc.europa.eu/> **European CDC** (Excellent risk assessments & good public health guidance)
- [https://twitter.com/ECDC\\_Outbreaks](https://twitter.com/ECDC_Outbreaks) ECDC Twitter [https://twitter.com/ecdc\\_flu](https://twitter.com/ecdc_flu)
- <http://www.cdc.gov/outbreaks/> **US CDC** Current Outbreak List
- <http://wwwnc.cdc.gov/travel/notices> CDC Travel Health Notices
- <http://emergency.cdc.gov/recentincidents/index.asp> CDC Emergency Preparedness & Response
- <http://emergency.cdc.gov/HAN/index.asp> CDC Alerts
- [www.cdc.gov/media/](http://www.cdc.gov/media/) CDC Media (passcode = "CDC Media")
- <https://twitter.com/CDCgov> CDC Twitter <https://twitter.com/CDCemergency>
  - <https://twitter.com/CDCFlu> CDC Flu Twitter
- <https://www.phe.gov/emergency/pages/default.aspx> **Public Health Emergency**, Ass. Secretary for Preparedness & Response (ASPR), U.S. Dep. of Health & Human Services (**HHS**).

- 2. Timely independent expert reporting & analysis of important news on flu & other outbreaks**
- [www.cidrap.umn.edu/cidrap/](http://www.cidrap.umn.edu/cidrap/) **CIDRAP**, Univ. of Minn.: See "overviews." Excellent (posts ~ 6:00 PM)
- <https://twitter.com/CIDRAP>
- <http://virologydownunder.com/> **Virology Down Under**, Ian Mackay, Univ. of Queensland
- [www.promedmail.org](http://www.promedmail.org) **ProMED-mail**: Expert vetted but a bit slow (Intl. Society for Infectious Diseases).
- <https://www.internationalsos.com/countryguide/medicalalerts.aspx?languageid=ENG> **ISOS Med. Alerts**
- <http://rybicki.wordpress.com/> **ViroBlog** by Ed Rybicki, a Univ. of Cape Town professor in microbiology
- [www.virology.ws/](http://www.virology.ws/) **Virology Blog** (Columbia Univ. H5N1-skeptic virology professor - occasional flu posts)

- 3. Selected news on flu / outbreaks, regularly updated** (incl. trusted blogs with short commentary)
- <http://afludiary.blogspot.com/> **Avian Flu Diary** (Experienced & trusted, Mike Coston, Florida-based)
- [https://twitter.com/Flu\\_Medic](https://twitter.com/Flu_Medic) Avian Flu Diary Twitter
- <http://crofsblogs.typepad.com/h5n1/> **H5N1 blog** (Quite Good, Crawford Kilian, Vancouver-based.)
- <http://www.statnews.com/category/health/> **STAT** (Try specific search. Helen Branswell is excellent.)
- <https://twitter.com/HelenBranswell>
- <http://hygimia69.blogspot.com/> **A Times Memory** (Italy-based. Good.)
- <http://outbreaknewstoday.com/> **Outbreak News Today**, organized by geographical region
- <http://www.influenzavirusnet.com/> **Influenza Virus Net** (Netherlands-based)

- 4. Frequently updated news or specific searches** (Beware of errors in media understanding of flu science, & exaggeration of threats in the blog "Recombinomics." [Helen Branswell](http://www.statnews.com/) of Statnews is excellent.)
- <http://www.flustrackers.com/> **FluTrackers** (Good. Breaking news by country/issue—**click Latest Activity**)
- <https://twitter.com/FluTrackers>
- <http://www.newsnow.co.uk/h/Current+Affairs/Health/Pandemics> **NewsNow** (Good. Mainly newspaper stories around the world. Confirm story date because of past problems with old stories reappearing.)

[https://www.google.com/advanced\\_search?hl=en&fg=1](https://www.google.com/advanced_search?hl=en&fg=1) (Use search criteria & then click on news)

<http://news.yahoo.com/> (Use search criteria: location, time period, etc.)

<http://healthmap.org/promed/> **HealthMap ProMED** (use the “Advanced Search” feature)

<http://healthmap.org/predict/> **HealthMap PREDICT** (use the “Advanced Search” feature)

- <https://mobile.twitter.com/search?q=H5N1&s=typd&x=18&y=11> **H5N1 Twitter**

## 5. **Pandemic & Seasonal Flu - official sites** (sometimes a little slow with breaking news, until confirmed)

[www.who.int/influenza/preparedness/en/](http://www.who.int/influenza/preparedness/en/) **WHO/GIP: Influenza: Public Health Preparedness**

<https://www.cdc.gov/flu/pandemic-resources/index.htm> “This **new CDC web site** contains information about influenza pandemics and **pandemic preparedness** and planning resources. This site replaces Flu.gov as the centralized repository of federal resources related to pandemic planning and preparedness. Content will be expanded and enhanced in the coming months.”

[www.cdc.gov/flu/whatsnew.htm](http://www.cdc.gov/flu/whatsnew.htm) **US CDC flu** ([www.cdc.gov/flu/weekly/](http://www.cdc.gov/flu/weekly/) **Friday US surveillance update**)

[https://disasterinfo.nlm.nih.gov/dimrc/pan\\_influenza.html](https://disasterinfo.nlm.nih.gov/dimrc/pan_influenza.html) **US DHHS Disaster Info.** (links)

## 6. **Key guidance on public health interventions (including NPIs & home care) for flu**

- [www.cdc.gov/nonpharmaceutical-interventions/index.html](http://www.cdc.gov/nonpharmaceutical-interventions/index.html) **US CDC pages on NPIs**, including ten 2017 guidance documents on community mitigation/NPIs/social distancing.
- [http://ecdc.europa.eu/en/publications/Publications/0906\\_TER\\_Public\\_Health\\_Measures\\_for\\_Influenza\\_Pandemics.pdf](http://ecdc.europa.eu/en/publications/Publications/0906_TER_Public_Health_Measures_for_Influenza_Pandemics.pdf) Guide to **public health measures** to reduce the impact of influenza pandemics in Europe – ‘**The ECDC Menu**,’ European CDC, Sep. 2009. Provides summary information on a variety of potential public health interventions.
- [www.who.int/influenza/resources/documents/community\\_case\\_management\\_flipbook/en/index.html](http://www.who.int/influenza/resources/documents/community_case_management_flipbook/en/index.html) Community case management during an influenza outbreak: A **training package for community health workers**, WHO, 2011 (includes family-level NPIs & home care)
- <https://www.savethechildren.org/content/dam/global/reports/emergency-preparation-disaster-risk-reduction/flu-home-care-cdc-2013.pdf> The Flu: **Caring for Someone Sick at Home**, US CDC, Feb. 2013 (6.2 MB)
- <https://www.osha.gov/Publications/OSHA3327pandemic.pdf> Guidance on **Preparing Workplaces for an Influenza Pandemic**, OSHA, US Dep. of Labor, 2009.
- <https://www.savethechildren.org/content/dam/global/reports/emergency-preparation-disaster-risk-reduction/flu-bus-cont-plan-09.pdf> **Business Continuity Planning Guide**, Gov. of New Zealand, Dec. 2009.
- [http://www.who.int/csr/resources/publications/WHO\\_CDS\\_2005\\_28/en/](http://www.who.int/csr/resources/publications/WHO_CDS_2005_28/en/) **WHO Outbreak Communication Guidelines** (2005). Summary guidance on outbreak communication best practices.
- <https://www.gov.uk/government/publications/review-of-the-evidence-base-underpinning-the-uk-influenza-pandemic-preparedness-strategy> **UK Influenza Pandemic Preparedness Strategy & scientific evidence base reviews.**
- <https://openwho.org/channels/pandemics> **OpenWHO** is WHO’s new interactive, web-based, knowledge-transfer platform offering online courses to improve the response to health emergencies.
- [http://www.paho.org/disasters/index.php?option=com\\_content&view=article&id=1053:leadership-during-a-pandemic-what-your-municipality-can-do&Itemid=937&lang=en](http://www.paho.org/disasters/index.php?option=com_content&view=article&id=1053:leadership-during-a-pandemic-what-your-municipality-can-do&Itemid=937&lang=en) **Leadership During A Pandemic: What Your Municipality Can Do.** Washington, DC: USAID, 2011.
- [https://coregroup.org/resources/library/?\\_sft\\_resource-library-type=panflu](https://coregroup.org/resources/library/?_sft_resource-library-type=panflu) **Pandemic Influenza Community Planning and Response Curriculum**, Humanitarian Pandemic Preparedness (H2P) initiative, CORE Group, 2009.

## 7. SC: Pandemic preparedness & response at district & community levels in low resource settings

[www.savethechildren.org/us/about-us/resource-library/influenza-library](http://www.savethechildren.org/us/about-us/resource-library/influenza-library) **Save the Children** (SC/US)  
<https://savechildrenusa.sharepoint.com/gss/Pages/AvianFluUpdates.aspx> **SC/US internal**  
<https://savethechildren1.sharepoint.com/how/security/pages/pandemic-threats.aspx> **SCI internal**  
<http://onlinelibrary.wiley.com/doi/10.1111/irv.12040/full> **Are we prepared to help low-resource communities cope with a severe influenza pandemic?** SC authors. *Influenza & Other Respiratory Viruses*, November 2012. doi: 10.1111/irv.12040. (Open access, Editor's Choice paper!)  
<https://www.msh.org/blog/2017/04/27/are-we-prepared-to-help-low-resource-populations-mitigate-a-severe-pandemic> **Are We Prepared to Help Low-Resource Populations Mitigate a Severe Pandemic?** Eric S. Starbuck, No More Epidemics, "Thought Leadership" blog post, April 2017.

## 8. Avian Flu – official sites (sometimes a little slow with breaking news, until confirmed)

[www.who.int/influenza/human\\_animal\\_interface/en/](http://www.who.int/influenza/human_animal_interface/en/) **WHO: Flu at the Human-Animal Interface**  
[http://ecdc.europa.eu/en/healthtopics/avian\\_influenza/Pages/index.aspx](http://ecdc.europa.eu/en/healthtopics/avian_influenza/Pages/index.aspx) **European CDC**  
[www.chp.gov.hk/en/guideline1\\_year/29/134/441/332.html](http://www.chp.gov.hk/en/guideline1_year/29/134/441/332.html) **Hong Kong** Dep. of Health weekly report  
[www.oie.int/animal-health-in-the-world/web-portal-on-avian-influenza/](http://www.oie.int/animal-health-in-the-world/web-portal-on-avian-influenza/) **OIE: H5N1 in birds from 2003.**  
[www.fao.org/avianflu/](http://www.fao.org/avianflu/) **FAO** (UN Food & Agricultural Organization) on H5N1.

## 9. H7N9 Avian Flu (official sites are sometimes a little slow with breaking news, until confirmed)

[www.who.int/influenza/human\\_animal\\_interface/influenza\\_h7n9/en/index.html](http://www.who.int/influenza/human_animal_interface/influenza_h7n9/en/index.html) **WHO**  
[www.uq.edu.au/vdu/VDUInfluenza\\_H7N9.htm](http://www.uq.edu.au/vdu/VDUInfluenza_H7N9.htm) **Virology Down Under**, Ian Mackay, Univ. of Queensland  
[www.cidrap.umn.edu/cidrap/content/influenza/h7n9/index.html](http://www.cidrap.umn.edu/cidrap/content/influenza/h7n9/index.html) **CIDRAP**, Univ. of Minn.  
[www.flutrackers.com/forum/forumdisplay.php?f=2959](http://www.flutrackers.com/forum/forumdisplay.php?f=2959) **FluTrackers** (also click Latest Posts)  
[www.cdc.gov/flu/avianflu/h7n9-virus.htm](http://www.cdc.gov/flu/avianflu/h7n9-virus.htm) **US CDC**  
[www.xinhuanet.com/english/china/health.htm](http://www.xinhuanet.com/english/china/health.htm) **Xinhua**, Chinese government news agency  
[www.chp.gov.hk/en/index.html](http://www.chp.gov.hk/en/index.html) **Hong Kong** Centre for Health Protection  
[www.chinacdc.cn/en/](http://www.chinacdc.cn/en/) **China CDC** (Chinese Center for Disease Control and Prevention)  
• <https://twitter.com/search?q=%23H7N9&src=hash> **H7N9 Twitter**  
<https://disasterinfo.nlm.nih.gov/dimrc/h7n9influenza.html> **US DHHS Disaster Info.** (links)

## 10. MERS-CoV (Novel / Human Coronavirus) (SARS-related RNA virus)

[www.who.int/csr/disease/coronavirus\\_infections/en/index.html](http://www.who.int/csr/disease/coronavirus_infections/en/index.html) **WHO**  
[http://www.wpro.who.int/outbreaks\\_emergencies/wpro\\_coronavirus/en/](http://www.wpro.who.int/outbreaks_emergencies/wpro_coronavirus/en/) **WHO/WPRO** Western Pacific  
<http://www.emro.who.int/index.html> **WHO/EMRO** - Eastern Mediterranean Regional Office  
[www.cdc.gov/coronavirus/mers/index.html](http://www.cdc.gov/coronavirus/mers/index.html) **US CDC** Preventing MERS-CoV from Spreading to Others in Homes & Communities: <http://www.cdc.gov/coronavirus/mers/hcp/home-care-patient.html>  
<http://www.flutrackers.com/forum/forumdisplay.php?f=2848> **FluTrackers** (also click Latest Activity)  
[www.cidrap.umn.edu/infectious-disease-topics/mers-cov](http://www.cidrap.umn.edu/infectious-disease-topics/mers-cov) **CIDRAP**, Univ. of Minn. (Posts late afternoon & early evening US Eastern time.)  
<http://ecdc.europa.eu/en/healthtopics/coronavirus-infections/Pages/index.aspx> **European CDC**  
<http://news.sciencemag.org/tags/mers-virus> **Science/AAAS** MERS news going back to 2012  
<http://www.newsnow.co.uk/h/Current+Affairs/Health/Pandemics/MERS> **NewsNow** (Mostly newspaper stories from around the world. Confirm story date because of past problems with old stories reappearing. Beware of errors in media understanding of science, & exaggeration of threats in the blog "Recombinomics." Helen Branswell of the Canadian Press is always outstanding.)

<http://www.moh.gov.sa/en/CoronaNew/PressReleases/Pages/default.aspx> Saudi MOH MERS **English**  
<http://www.moh.gov.sa/CoronaNew/PressReleases/Pages/default.aspx> Saudi MOH MERS in **Arabic**  
[http://english.mw.go.kr/front\\_eng/index.jsp](http://english.mw.go.kr/front_eng/index.jsp) South Korea MOH in **English**  
<http://www.haad.ae/haad/tabid/1412/Default.aspx> Abu Dhabi Health Authority MERS page

- <https://twitter.com/search?q=%23MERS&src=hash> MERS Twitter

[www.chp.gov.hk/en/view\\_content/26511.html](http://www.chp.gov.hk/en/view_content/26511.html) Hong Kong Centre for Health Protection (many docs.)  
<http://maiamajumder.tumblr.com/> Charts by Maia Majumder  
<http://infotel.ca/newsitem/mers-101/cp28352553> MERS 101, Helen Branswell, Canadian Press, 5/13/14

### 11. Zika & Microcephaly (in addition to other sites highlighted in yellow in sections 2 – 3, above)

<http://www.who.int/emergencies/zika-virus/en/> WHO Zika page  
[www.paho.org/zikavirus](http://www.paho.org/zikavirus) PAHO Zika page  
[http://ecdc.europa.eu/en/healthtopics/zika\\_virus\\_infection/Pages/index.aspx](http://ecdc.europa.eu/en/healthtopics/zika_virus_infection/Pages/index.aspx) European CDC Zika page  
<http://www.cdc.gov/zika/index.html> US CDC Zika page  
<http://www.cdc.gov/ncbddd/birthdefects/microcephaly.html> US CDC Microcephaly page  
<https://www.gov.uk/guidance/zika-virus> Public Health England  
<http://www.cidrap.umn.edu/infectious-disease-topics/zika> Univ. of Minn. Excellent (posts ~ 6:00 PM)  
<https://zikainfection.tghn.org/> The Global Health Network  
<http://www.statnews.com/series/zika-update/> STAT: Zika in 30 seconds: What you need to know today  
<http://www.statnews.com/?s=Zika&x=0&y=0> STAT (Helen Branswell is excellent.)  
<http://www.theguardian.com/world/zika-virus> The Guardian  
<http://www.newsnow.co.uk/h/?search=Zika&lang=en&searchheadlines=1> NewsNow  
[https://www.google.com/search?hl=en&as\\_q=Zika+microcephaly&as\\_epq=&as\\_oq=&as\\_eq=&as\\_nlo=&as\\_nhi=&lr=&cr=&as\\_qdr=all&as\\_sitesearch=&as\\_occt=any&safe=images&as\\_filetype=&as\\_rights=#q=Zika+microcephaly&hl=en&tbm=nws&tbs=sbd:1](https://www.google.com/search?hl=en&as_q=Zika+microcephaly&as_epq=&as_oq=&as_eq=&as_nlo=&as_nhi=&lr=&cr=&as_qdr=all&as_sitesearch=&as_occt=any&safe=images&as_filetype=&as_rights=#q=Zika+microcephaly&hl=en&tbm=nws&tbs=sbd:1) Google news Zika + microcephaly  
<https://pandemic.internationalsos.com/zika> International SOS (some pages require member ID)  
<https://disasterinfo.nlm.nih.gov/dimrc/zikavirus.html> US DHHS Disaster Info. (links)  
[http://www.who.int/bulletin/online\\_first/zika\\_open/en/](http://www.who.int/bulletin/online_first/zika_open/en/) WHO Bulletin, Zika Open  
<https://www.elsevier.com/connect/zika-virus-resource-center> Elsevier's Zika Virus Resource Center  
<http://www.thelancet.com/campaigns/zika> The Lancet Zika virus resource centre  
<http://www.bmj.com/freezikaresources> The BMJ  
<https://onet.savethechildren.net/whatwedo/humanitarian/Pages/Zikavirus.aspx> SCI (internal)  
[www.zikacommunicationnetwork.org/](http://www.zikacommunicationnetwork.org/) Zika Communication Network (tools & resources, JHU-based)  
<https://knowledge-gateway.org/usaidthechildrenresponse/library> USAID Zika Knowledge Gateway (password)

### 12. WHO, ECDC, & CDC open access journals (most content is not outbreak- or flu-related)

[www.who.int/wer/2015/](http://www.who.int/wer/2015/) WHO Weekly Epidemiological Record (WER) (posted every Thurs. or Fri.)  
[www.eurosurveillance.org/Public/Articles/Archives.aspx](http://www.eurosurveillance.org/Public/Articles/Archives.aspx) Eurosurveillance (posted on Thursdays)  
[www.cdc.gov/mmwr/weekcvol.html](http://www.cdc.gov/mmwr/weekcvol.html) MMWR (Morbidity & Mortality Weekly Report, US CDC, Fridays)  
[www.cdc.gov/ncidod/eid/](http://www.cdc.gov/ncidod/eid/) Emerging Infectious Diseases (US CDC monthly)

### 13. Flu surveillance trends

[www.google.org/flutrends/us](http://www.google.org/flutrends/us) Google flu trends based on # of flu-related Google searches (**Discontinued**)  
[www.cpid.iri.columbia.edu/](http://www.cpid.iri.columbia.edu/) Columbia Prediction of Infectious Diseases: Influenza Forecasts (US cities)

## OTHER PANDEMIC LINKS

### 14. Books: Have you read each of these outstanding books?

- a. David Killingray & Howard Phillips (editors), *The Spanish Influenza Pandemic of 1918-19: New Perspectives*, 2003 (hardcover), 2011 (paperback). (Includes papers on the pandemic in Australia, Canada, China, France, Germany, India, Japan, New Zealand, Senegal, Spain, Tanzania, the UK, & the US, all presented at a conference in Cape Town in 1998, & an extensive bibliography.)
- b. Alfred Crosby, *America's Forgotten Pandemic*, 1989, 2003. (First published in 1976 as *Epidemic and Peace: 1918*. Includes some content on the pandemic outside of the US.).
- c. Karl Taro Greenfeld, *China Syndrome* (SARS),
- d. Alan Sipress, *The Fatal Strain* (H5N1), &
- e. David Quammen, *Spillover: Animal Infections and the Next Human Pandemic*.

### 15. Important Papers on 1918

- a. Jeffery K. Taubenberger & David M. Morens, *1918 Influenza: The Mother of All Pandemics*, Emerging Infectious Diseases, Jan. 2006: <http://wwwnc.cdc.gov/eid/article/12/1/pdfs/05-0979.pdf>
- b. Howard Phillips, *Influenza Pandemic*, International Encyclopedia of the First World War, Jan. 2017: [https://encyclopedia.1914-1918-online.net/article/influenza\\_pandemic](https://encyclopedia.1914-1918-online.net/article/influenza_pandemic)
- c. Niall P. A. S. Johnson & Juergen Mueller, *Updating the Accounts: Global Mortality of the 1918–1920 “Spanish” Influenza Pandemic*, Bull. Hist. Med., 2002, 76: 105–115: [www.birdflubook.org/resources/NIALL105.pdf](http://www.birdflubook.org/resources/NIALL105.pdf)
- d. Markel H, Lipman HB, Navarro JA, et al. *Nonpharmaceutical interventions implemented by US cities during the 1918-1919 influenza pandemic*. JAMA 2007, Aug 8; 298(6): 644-54: <http://jama.ama-assn.org/cgi/reprint/298/6/644.pdf>
- e. Hatchett RJ, Mecher CE, Lipsitch M. *Public health interventions and epidemic intensity during the 1918 influenza pandemic*. Proc Natl Acad Sci 2007, May 1; 104(18): 7582-7: [www.pnas.org/content/104/18/7582.full.pdf](http://www.pnas.org/content/104/18/7582.full.pdf)
- f. Bootsma CJ, Ferguson NM. *The effect of public health measures on the 1918 influenza pandemic in US cities*. Proc Natl Acad Sci 2007 May 1;104(18):7588-93: [www.pnas.org/content/104/18/7588.full.pdf](http://www.pnas.org/content/104/18/7588.full.pdf)
- g. Stern AM, Reilly MB, Cetron MS, Markel H. “*Better Off in School*”: *School Medical Inspection as a Public Health Strategy During the 1918–1919 Influenza Pandemic in the United States*. Public Health Reports. 2010;125(Suppl 3):63-70: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2862335/pdf/phr125s30063.pdf>

### 16. Collections of 1918 Papers on the Web

- a. **FluTrackers**: <https://flutrackers.com/forum/forum/welcome-to-the-scientific-library/-1918-pandemic-data-stories-history>
- b. **1918 Influenza Pandemic**. Nature: <http://www.nature.com/nature/focus/1918flu/index.html>
- c. **The 1918 - 1919 Influenza Pandemic in the United States**. Public Health Reports, 2010 Supplement 3, Volume 125: <http://www.publichealthreports.org/>

## 17. Websites on 1918 & the Pandemic Threat

- a. **The Next Pandemic** (Smithsonian Magazine & the Johns Hopkins Bloomberg School of Public Health) <https://www.smithsonianmag.com/science-nature/next-pandemic-180965242/>
- b. **The American Influenza Epidemic of 1918 - 1919: A Digital Encyclopedia.** Univ. of Michigan: <http://www.influenzaarchive.org/>
- c. **The 1918 – 1920 Influenza Pandemic Escape Community Digital Document Archive.** Center for the History of Medicine, Univ. of Michigan: <http://chm.med.umich.edu/research/1918-influenza-escape-communities/>
- d. **The Great Pandemic: The U.S. in 1918 – 1919.** US CDC: <https://www.cdc.gov/flu/pandemic-resources/basics/past-pandemics.html>
- e. **The Great Pandemic: The United States in 1918-1919,** U.S. Dept. of Health and Human Services: [https://cybercemetery.unt.edu/archive/allcollections/20090305010427/http://vietnamese.pandemicflu.gov/pandemicflu/envi/24/1918\\_pandemicflu\\_gov/index.htm](https://cybercemetery.unt.edu/archive/allcollections/20090305010427/http://vietnamese.pandemicflu.gov/pandemicflu/envi/24/1918_pandemicflu_gov/index.htm)
- f. **The 1918 Flu Pandemic. New Zealand History Online,** Ministry for Culture and Heritage: <http://www.nzhistory.net.nz/culture/influenza-pandemic-1918>
- g. **Howard Phillips, Influenza Pandemic, International Encyclopedia of the First World War,** Jan. 2017: [https://encyclopedia.1914-1918-online.net/article/influenza\\_pandemic](https://encyclopedia.1914-1918-online.net/article/influenza_pandemic)
- h. **FluWeb Influenza Historical Resources Database,** University of Melbourne [http://influenza.sph.unimelb.edu.au/results.php?all\\_sources=TRUE&search\\_type=sources](http://influenza.sph.unimelb.edu.au/results.php?all_sources=TRUE&search_type=sources)
- i. **The Great Influenza One Day At A Time:** <https://www.prosperoanalyticsllc.com/1918-onedayatatime/>

## 18. Video (Flu, 1918, SARS, H5N1, H7N9, MERS, & Drama, produced 1998 - 2018)

- a. <https://www.youtube.com/watch?v=9AEMKudv5p0> & <http://www.news.com.au/finance/work/bill-gates-has-revealed-what-frightens-him-most-an-epidemic-so-great-it-would-rapidly-wipe-out-millions-worldwide/story-fn5tas5k-1227372407389> **What Bill Gates is afraid of, Vox, May 27, 2015** (Gates in 4 ½ minute video) “The Ebola epidemic showed me that we are not ready for a serious epidemic, an epidemic that would be more infectious and would spread faster than Ebola did. This is the greatest risk of a huge tragedy. This is the most likely thing by far to kill over 10 million excess people in a year.”
- b. [www.pbs.org/wgbh/nova/body/1918-flu.html](http://www.pbs.org/wgbh/nova/body/1918-flu.html) **1918 Flu**, 13 minutes, Nova Science Now, PBS, Nov. 2006. Good brief introduction to pandemic flu, 1918, & H5N1.
- c. [www.youtube.com/watch?v=tpzxNoLZx0w&mode=related&search](http://www.youtube.com/watch?v=tpzxNoLZx0w&mode=related&search) **Hospitals Full-Up: The 1918 Influenza Pandemic**, 7 minutes, Johns Hopkins Center for Civilian Biodefense Studies, Nov. 2000. An excellent short documentary comparing the 1918 flu pandemic with modern-day health capabilities in the event of a large-scale infectious disease outbreak.
- d. [www.kingcounty.gov/healthservices/health/preparedness/pandemicflu/video.aspx](http://www.kingcounty.gov/healthservices/health/preparedness/pandemicflu/video.aspx) **Business Not As Usual: Preparing for Pandemic Flu**, 20 minutes, King County Public Health, Washington State. Focuses on business continuity planning for a severe pandemic.
- e. <http://un-influenza.org/?q=content/nhs-pandemic-flu-information-health-workers> **Pandemic flu infection control information for health workers**, 6 minutes, UK NHS, 2007.
- f. [www.youtube.com/watch?v=DdFCx8jbesQ](http://www.youtube.com/watch?v=DdFCx8jbesQ) **How Influenza Pandemics Occur**, 3 minutes, US National Institute of Allergy and Infectious Diseases, 2012.
- g. [www.archive.org/details/gov.hhs.cms.006719](http://www.archive.org/details/gov.hhs.cms.006719) **We Heard the Bells: The Influenza of 1918**, 57 minutes, US Department of Health & Human Services, 2010. Where did the 1918 flu come from, why was it so lethal, what did we learn, & how is it related to the current threat? Quite good, but exaggerates current capabilities to respond to a severe pandemic.

- h. <http://video.pbs.org/video/1240086878/> **Secrets of the Dead: Killer Flu**, 55 minutes, PBS, 2009. Good, but focuses on theories about the relationship of the pandemic to WWI, while ignoring most parts of the world not involved in the war, such as India, where over 18 million people died.
- i. <https://www.youtube.com/watch?v=Tdr4GE-Y74Q> **The American Experience: Influenza 1918**, 50 minutes, PBS, 1998. Focuses on the US & survivors' memories. ([www.pbs.org/wgbh/americanexperience/films/influenza/](http://www.pbs.org/wgbh/americanexperience/films/influenza/))
- j. <https://www.youtube.com/watch?v=IsMHPYow7mY> **Turning Points of History: Kiss of the Spanish Lady**, 46 minutes, History Television, Canada. The 1918 Spanish Flu pandemic in Canada.
- k. <http://www.youtube.com/watch?v=hTmw2Y5iA-k> **Spanish Flu: The Forgotten Fallen**, 58 mins. Good BBC drama based on the accounts of the health officer of Manchester.
- l. <http://www.moviesub.net/watch/contagion-2011/1226.html>  
<http://contagionmovie.warnerbros.com/index.html> **Contagion**, 2011 Hollywood film: "Academy Award winner Steven Soderbergh directs a global thriller with a stellar international ensemble cast filmed on location around the world, including sites in Hong Kong, Macao, Chicago, Atlanta, San Francisco, Casablanca, London and Geneva. Contagion follows the rapid progress of a lethal airborne virus that kills within days." (Expert consensus is that the film is pretty scientifically plausible, with a few exceptions: It would currently take much longer to develop & mass produce a vaccine, & the response would involve far more organizations & people than depicted in the film. See: <http://afludiary.blogspot.com/2011/09/contagion-conversation-continues.html>)
- m. <http://afludiary.blogspot.com/2014/07/mosaic-video-how-to-catch-flu.html> **How to Catch Flu**, 3 mins. MOSAIC project, Imperial College, London, 2014. Flu from the perspective of the virus (sitting in an armchair).
- n. <http://www.youtube.com/watch?v=MXPace0uEQM> **SARS, The True Story**, 44 mins. BBC, 2003.
- o. [www.fbi-isa.org/default.aspx?menuitemid=145&menugroup=Videos](http://www.fbi-isa.org/default.aspx?menuitemid=145&menugroup=Videos) **H5N1 – The Next Pandemic?** 22 minutes, Nusura, Inc., 2008. A good introduction to H5N1 & the pandemic threat, focusing on challenges in Vietnam & other developing countries, with interviews of the CDC's Nancy Cox & others. (Also at: <http://afludiary.blogspot.com/2011/07/video-h5n1-next-pandemic.html>)
- p. <http://vimeo.com/67753545> **Wide Angle: H5N1 - Killer Flu**, ~55 minutes, PBS, Sep. 2005. Investigates the pandemic threat & Vietnam's response to outbreaks. Good, but suggestions that H5N1 will eventually go pandemic are incorrect. (Pandemics will happen, but H5N1 may never go pandemic.)
- q. <http://www.youtube.com/watch?v=6LljrHOSjVg> **Update on H7N9: Should We Be Concerned?** 47 mins., American Society for Microbiology, May 2013. Discussion with Rob Webster & Albert Osterhaus.
- r. <http://www.youtube.com/watch?v=J1RiW-EopC8> **The Next Pandemic: Are We Ready?** 57 minutes, Harvard School of Public Health, Nov. 2013. Discussion with panelists, including Marc Lipsitch, Director of the Center for Communicable Disease Dynamics at Harvard SPH.
- s. <https://www.youtube.com/watch?v=zUVUdWFIVQw&index=5&list=PLD2Sv5NskYtyM7qVvXGv1JeyYp7frE3nw> **The Next Emerging Threat**, 38 mins. Discussion with Ian Lipkin of Columbia Univ. & Lyle Petersen of CDC at the meeting of the American Society for Microbiology, May 2014.
- t. <http://www.npr.org/2016/03/04/468880150/how-can-we-prevent-the-next-global-health-epidemic> NPR TED Radio Hour: How Can We Prevent The Next Global Health Epidemic? TED talk by **Bill Gates** from March 2015, in which he discusses disease outbreak preparedness.
- u. <http://www.pbs.org/spillover-zika-ebola-beyond/home/> **Spillover - Zika, Ebola & Beyond**, 56 minutes, PBS, August 2016. Join scientists as they investigate the rise of spillover viruses like Zika, Ebola and Nipah, and learn what science can do to anticipate and prevent epidemics around the world.
- v. <https://www.youtube.com/watch?v=gYhn6dYVfN4> **Unseen Enemy**, 100 minutes, CNN, April 2017. Some of the world's top experts explore lurking viruses and bacteria that may create the next global pandemic.

- w. <https://www.smithsonianmag.com/smithsonian-institution/when-next-pandemic-hits-will-we-be-prepared-180967210/> **The Next Pandemic**, 2½ hours, November 2017. Symposium, organized in collaboration with Smithsonian Media, Johns Hopkins Bloomberg School of Public Health, and Smithsonian’s National Museum of Natural History.
- x. <https://www.cdc.gov/flu/pandemic-resources/1918-commemoration/1918-webinar.htm> **100 Years Since 1918: Are We Ready for the Next Pandemic?** Daniel B. Jernigan, MD MPH, Director, Influenza Division, CDC. 48 minute webinar, early 2018, with slides in pdf.
- y. <https://www.youtube.com/watch?v=m7cEbyyIWqs> **The Mother (of all Pandemics) and Her Naughty Children: 100 Years of Behaving Badly**, David M. Morens, NIH, April 2018, 1 hour. Also at <https://videocast.nih.gov/summary.asp?Live=27522&bhcp=1>
- z. <http://www.centerforhealthsecurity.org/our-work/events/2018-clade-x-exercise/livestream> **Clade X day-long pandemic tabletop exercise**, 5 hours, Johns Hopkins Center for Health Security, May 15, 2018. Simulated a series of National Security Council–convened meetings of 10 US government leaders, played by individuals prominent in the fields of national security or epidemic response.

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