

Swine Disease Global Surveillance Report

Monday, July 1, 2018 – Sunday, August 5, 2018

The global swine disease surveillance system includes the three tier-1 foreign swine diseases (ASF, CSF, FMD), and other relevant diseases of swine (such as: porcine rotavirus, Porcine epidemic diarrhea virus (PEDV) and Aujeszky's disease/pseudorabies (Suid herpesvirus 1 (SuHV1)).

Report highlight: Last Friday the **first case of African Swine Fever (ASF)** was reported in China ([LINK](#)). First identified on August 1st, the outbreak was located in the northeast, in the city Shenyang, district of Shenbei New, in the province Liaoning, swine dense area 130 miles (208km) of the North Korean border. Infection on a small farm with a herd of 383 pigs, where 47 pigs died from the disease, was confirmed by China Animal Health and Epidemiology Center.

ASF Reports – Summary

The Chinese Center for Disease Control and Prevention officially reports a level 2 outbreak, and it has been contained with the slaughter of a herd of close to 8,000 pigs ([LINK](#)). Since Friday, the transport of pigs in and out of the area has been banned, along with the feeding of untreated food waste. In the event of a major outbreak, provincial veterinary authorities in the affected provinces shall immediately launch a working day reporting system for the prevention and control of ASF, and suspend the transfer of live pigs and related products from the affected counties and districts. Relevant provinces carry out emergency epidemiological investigation. All relevant departments shall, in accordance with their respective responsibilities, work together to prevent and control the epidemic. Today updates, informed that the provincial government has asked local authorities to launch emergency inspections at all pig farms, hog markets, slaughterhouses and harmless treatment sites in the province, and report any cases of pig deaths due to unknown reasons, slaughtered pigs found with splenomegaly or splenic hemorrhage, and immune failure among pigs after receiving swine fever vaccines, the paper reported, citing the animal health bureau ([LINK](#)).

Major concern about its spread in the Chinese pig herd, and possibly to Japan, the Korean Peninsula and other parts of Asia. On this matter, Japan has suspended imports of heat-treated Chinese pork, an official at Japan's ministry of agriculture, forestry and fisheries said ([LINK](#)). In addition, among the earlier economic consequences of this event, it has been reported that Muyeuan lost \$750M in market capitalization ([LINK](#)).

The current ASF challenge outside Africa started in 2007 in Georgia, from there to the Russian Federation and eastern Europe, including EU countries in the Baltic States, Ukraine, Poland, Czech Republic. Latvia and Romania are facing now several ASF outbreaks, and its rapid spread in wild boars and commercial herds. Thousands of miles from any known case of ASF, the introduction into China is a major concern. The way that this disease was introduced is unknown, but it is indicative that this disease can travel long distances, not only in infected pigs but also by contaminated food, feed, with international travelers, and other articles.

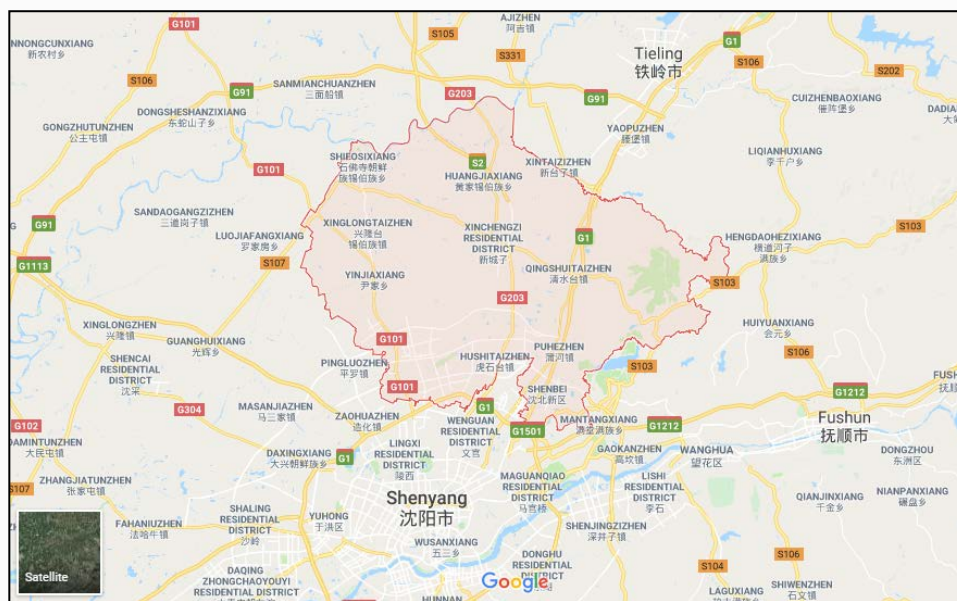
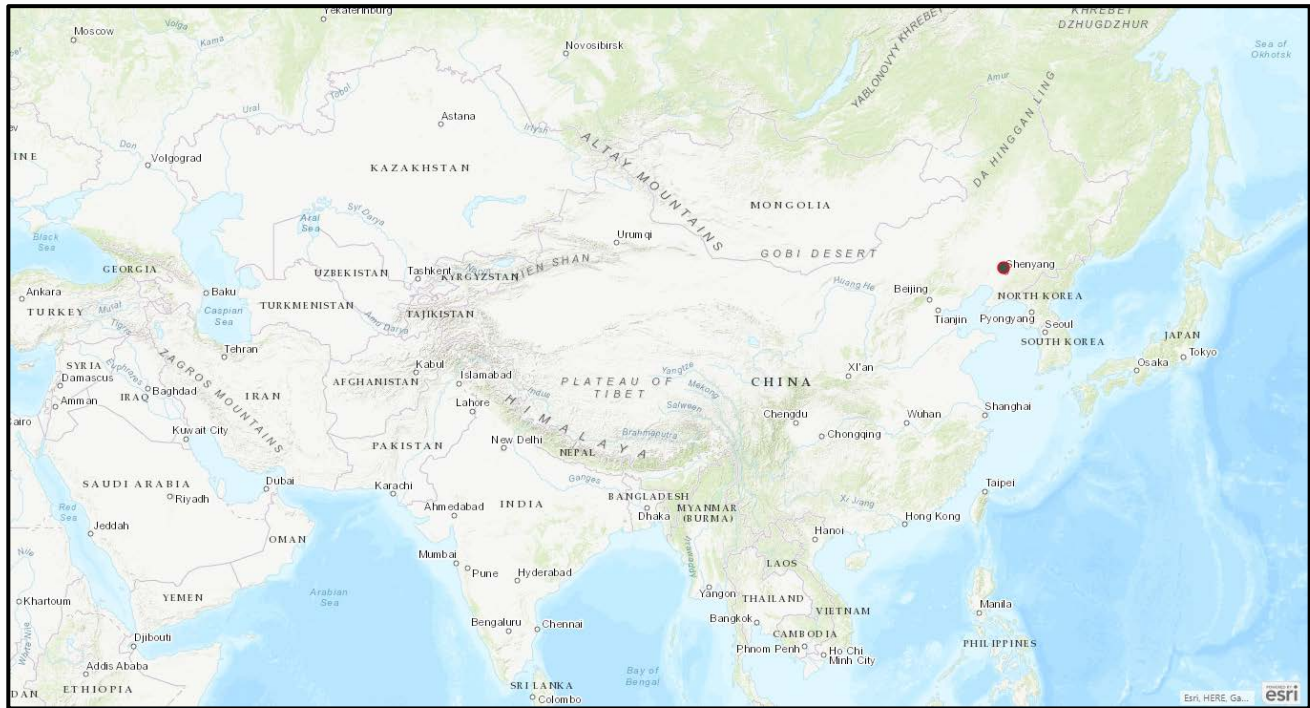
The People's Republic of China has more than half of the world's pig population, with thousands of backyard and large-scale farms operating in the northern, central and southern regions, and currently produces about half of the world's pork and is the top consumer of the meat. If this virus is already in other herds, the challenge to contain the disease in this region will be daunting. By the time of document, this single outbreak was officially reported, and no other outbreaks have been published.

Further surveillance, rapid response and restriction of sales and animal movement are the main tools as there is no vaccine available. This outbreak illustrates again that protection against this foreign animal diseases (FAD's) not only involves vigilance at our borders, but on each of our farms. Restrictions of the introduction of imported

foodstuffs, especially meats, and recent travelers, especially from countries battling FAD's, should be examined.

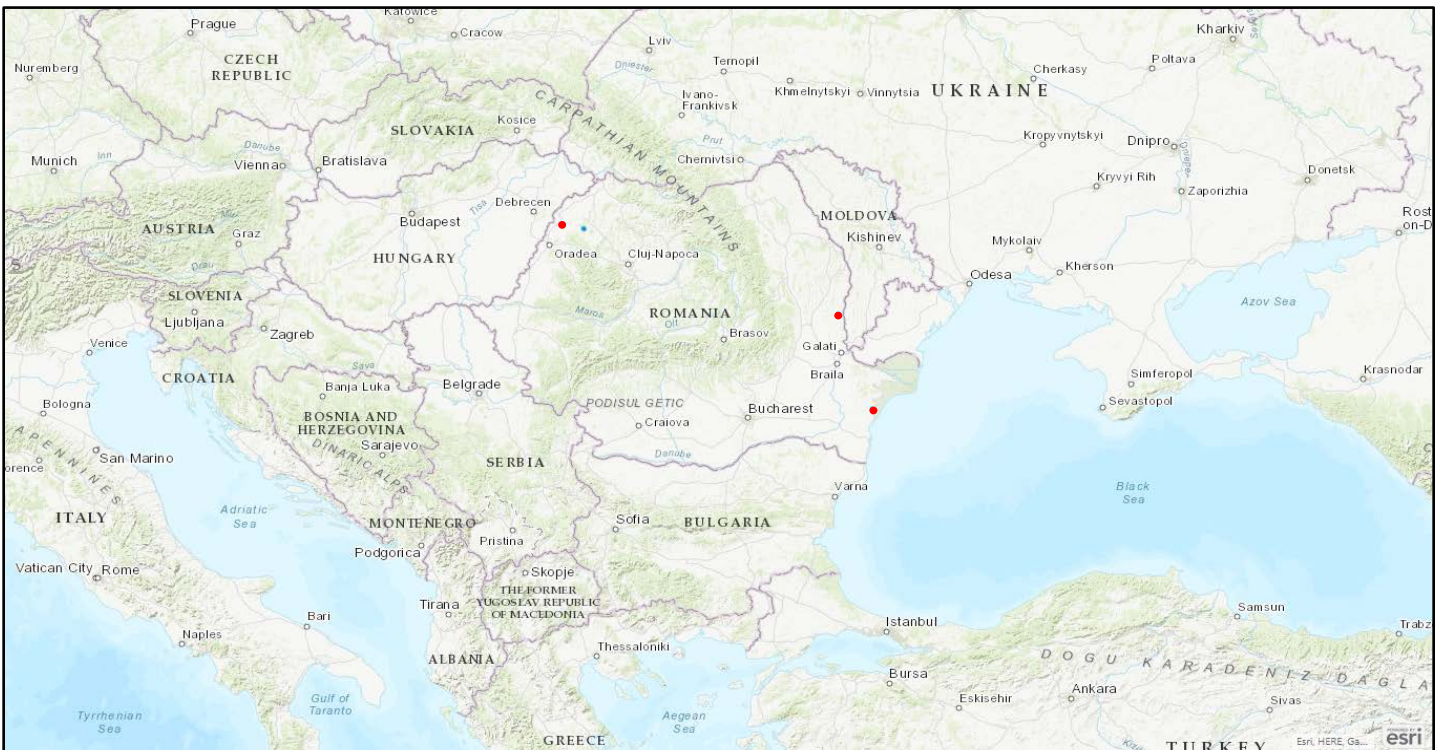
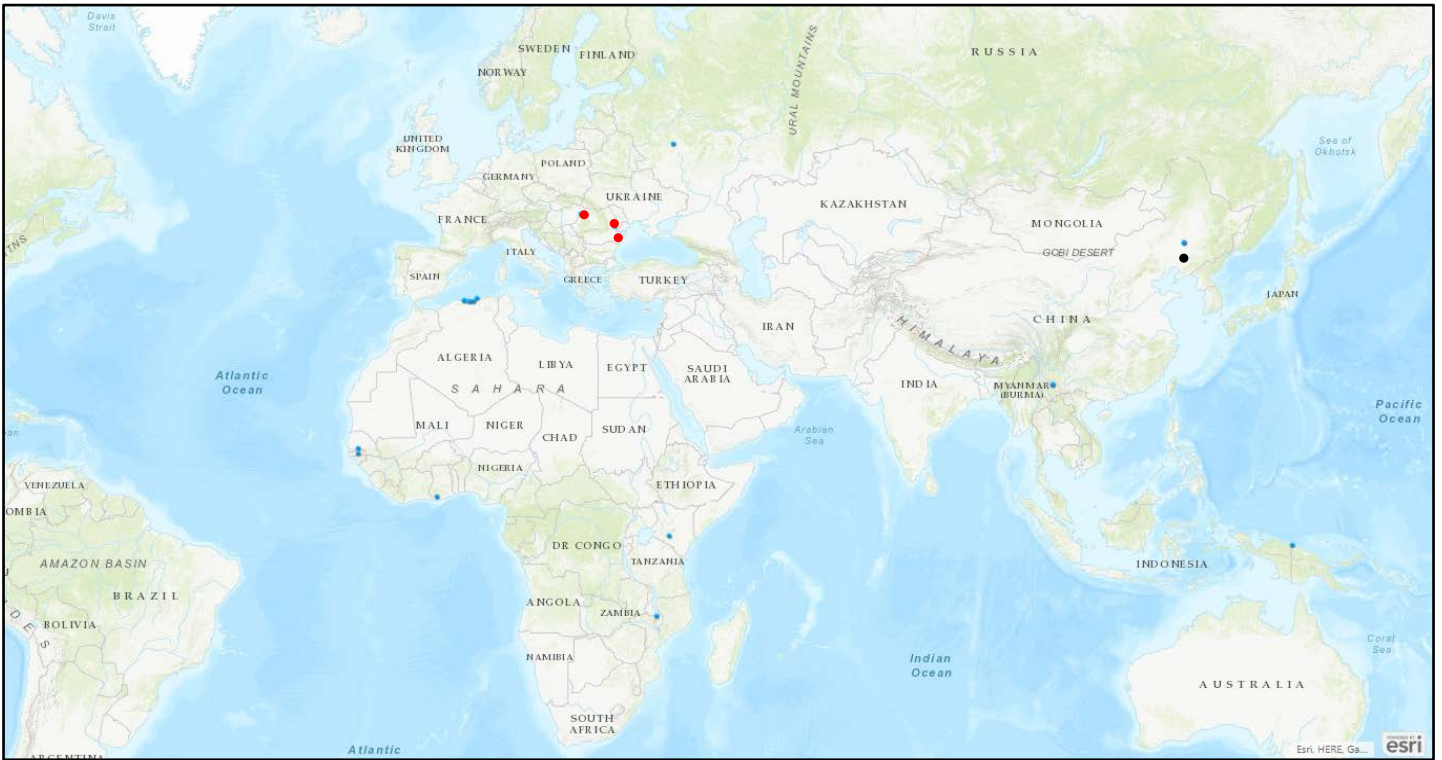
References:

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- <http://finance.sina.com.cn/china/gncj/2018-08-03/doc-ihhehtqh6152903.shtml>
- http://www.moa.gov.cn/xw/zwdt/201808/t20180803_6155300.htm?from=groupmessage&isappinstalled=0
- <http://www.fao.org/documents/card/en/c/I8805EN/>



Map: Location of the outbreak in the city Shenyang (district of Shenbei New), Liaoning province.

Full list of report's events



Report Maps: The locations mentioned in this report are colored in the maps below according to **significance score**, which are based on the identified hazards (list of worldwide events below) and potential risks to the US swine industry: **1: Blue**—no change in status, **2: red**- needs extra attention as the situation is dynamic; **3: black**- requires consideration of change in practices to reduce exposure by the US industry.

Event # 1	
Date of the event: 7/27/18	
Date of publication: 7/4/18	Source of the outbreak(s) or origin of infection: Legal movement of animals.
Location: Yuxi City, Xinping YizuDaizu Autonomous County, China	Measures applied: Movement control inside the country, Screening, Quarantine, Official destruction of animal products, Official disposal of carcasses, by-products and waste, Stamping out, Zoning, Disinfection, Vaccination permitted (if a vaccine exists), No treatment of affected animals.
Disease type: FMD	
Species affected: Farm animals Porcine	
Confirmed diagnosis	Morbidity: 4.84 Mortality: -
Significance score: 1.00 *	Reporting source: OIE
Event # 2	
Date of the event: 1/21/17	Only one new outbreak was detected and confirmed in a community (Waramo village) near the initial outbreak area. Further tests have come back negative.
Date of publication: 7/4/18	Monitoring has been ongoing since May 2016 in the infected and control zone and throughout the country. No new cases were observed. The event is ongoing but will be resolved in the upcoming month if no new cases are discovered.
Location: Waramo village, Vanimo Green, West Sepik Papua New Guinea	Source of the outbreak(s) or origin of infection: Introduction of new live animals, Illegal movement of animals, Contact with infected animal(s) at grazing/watering, Swill feeding
Disease type: Other	
Species affected: Farm animals Porcine	
Confirmed diagnosis	Morbidity: - Mortality: -
Significance score: 1.00 *	Reporting source: OIE
Event # 3	
Date of the event: 7/4/18	
Date of publication: 7/5/18	
Location: Istria, Constanta Romania	Source of the outbreak(s) or origin of infection: Unknown. Measures applied: Surveillance within containment and/or protection zone, Official disposal of carcasses, by-products and waste, Disinfection
Disease type: ASF	
Species affected: Backyard Porcine	
Confirmed diagnosis	Morbidity: 100 Mortality: 35.29
Significance score: 2.00 *	Reporting source: OIE
Event # 4	
Date of the event: 6/25/18	Source of the outbreak(s) or origin of infection: Unknown
Date of publication: 7/9/18	Measures applied: Surveillance within containment and/or protection zone Official disposal of carcasses, by-products and waste Stamping out Disinfection
Location: Crestur, Bihor Romania	
Disease type: ASF	
Species affected: Backyard Porcine	
Confirmed diagnosis	Morbidity: 100 Mortality: 50.88
Significance score: 2.00 *	Reporting source: OIE
Event # 5	
Date of the event: 6/20/18	Source of the outbreak(s) or origin of infection: Unknown or inconclusive
Date of publication: 7/9/18	Control measures Measures applied: Surveillance outside containment and/or protection zone
Location: Bouarfa, Bouarfa, Blida, Blida; Ighil Ali, Ighil Ali, Ighil Algeria	
Disease type: FMD - Foot and m	
Species affected: Farm animals Cattle	
Confirmed diagnosis	Morbidity: 87.5 Mortality: -
Significance score: 1.00 *	Reporting source: OIE
Event # 6	
Date of the event: 12/23/17	

Date of publication: 7/11/18		
Location: VARIOUS. Mozambique	Source of the outbreak(s) or origin of infection: Unknown or inconclusive; Contact with infected animal(s) at grazing/watering; Fomites	
Disease type: FMD - Foot and m		
Species affected: Farm animals Cattle		
Confirmed diagnosis	Morbidity: 2.79	Mortality: -
Significance score: 1.00 *	Reporting source: OIE	
Event # 7		
Date of the event: 7/5/18		
Date of publication: 7/17/18		
Zibrovo, Serpukhovskoy, Location: Moskovskaya Oblast Russian Federation	Source of the outbreak(s) or origin of infection: Unknown.	
Disease type: CSF - Classical Swi		
Species affected: Backyard Porcine		
Confirmed diagnosis	Morbidity: 45	Mortality: 18
Significance score: 1.00 *	Reporting source: OIE	
Event # 8		
Date of the event: 7/20/18		
Date of publication: 8/25/18		
Location: Carastelec, Salaj Romania	Source of the outbreak(s) or origin of infection? Unknown or inconclusive	
Disease type: ASF		
Species affected: Wild animals Porcine		
Confirmed diagnosis	Morbidity: -	Mortality: -
Significance score: 1.00 *	Reporting source: oie	
Event # 9		
Date of the event: 7/13/18		
Date of publication: 1/0/00	Source of the outbreak(s) or origin of infection: Unknown or inconclusive.	
Njallal Samba, Niani, Niani; Location: Ndownen, Niani, Niani Gambia	Measures applied: Movement control inside the country Surveillance outside containment and/or protection zone	
Disease type: FMD	Ante and post-mortem inspections	
Species affected: Farm animals Cattle		
Confirmed diagnosis	Morbidity: 16	Mortality: 2.4
Significance score: 1.00 *	Reporting source: OIE	
Event # 10		
Date of the event: 7/16/18		
Date of publication: 8/30/18		
Nurimu Township, Horqin Location: Zuoyi Zhongqi, Tongliao, China	Source of the outbreak(s) or origin of infection? Unknown or inconclusive	
Disease type: FMD		
Species affected: Farm animals Cattle		
Confirmed diagnosis	Morbidity: 7.4	Mortality: -
Significance score: 1.00 *	Reporting source: OIE	
Event # 11		
Date of the event: 7/25/18		
Date of publication: 7/31/18	Source of the outbreak(s) or origin of infection: Unknown or inconclusive.	
Location: 1/0/1900	Control measures/Measures applied? Official disposal of carcasses, by-products and waste	

Romania		Stamping out
Disease type:	ASF	Disinfection
Species affected:	Backyard Porcine	
Confirmed diagnosis	Morbidity: 100	Mortality: 25
Significance score:	2.00 *	Reporting source: OIE
Event # 12		
Date of the event:	6/10/18	Source of the outbreak(s) or origin of infection: Legal movement of animals. Measures applied: Movement control inside the country Screening Quarantine
Date of publication:	7/4/18	
Location:	Yuxi City, Xinping YizuDaizu Autonomous County, China	
Disease type:	FMD - Foot and m	
Species affected:	Farm animals Porcine	
Confirmed diagnosis	Morbidity: 4.84	Mortality: -
Significance score:	1.00 *	Reporting source: OIE
Event # 13		
Date of the event:	7/16/18	Source of the outbreak(s) or origin of infection: unknown.
Date of publication:	7/30/18	
Location:	Nurimu Township, Horqin Zuoyi Zhongqi, Tongliao, China	
Disease type:	FMD - Foot and m	
Species affected:	Farm animals Cattle	
Confirmed diagnosis	Morbidity: 7.38	Mortality: -
Significance score:	1.00 *	Reporting source: OIE
Event # 14		
Date of the event:	6/23/18	"The outbreak has mostly affected Chapumbwa, Wanya, Malepa, Malenga and Matete villages which are within Limphasa and Mpamba EPAs where 108 pigs have so far died, the conditions which accelerate the spread of the disease include contact of sick and healthy pigs and consumption of meat of pig carcasses among others." said Nyirenda from the Nkhata Bay District Agriculture Development Office.
Date of publication:	7/3/18	
Location:	Chapumbwa, Wanya, Malepa, Malenga and Malawi	
Disease type:	ASF - African Swin	
Species affected:	More than one. P Porcine	
Confirmed diagnosis	Morbidity: 108	Mortality: -
Significance score:	1.00 *	Reporting source: manonline.com
Event # 15		
Date of the event:	7/14/18	No official report located. No epidemiological details, related to this outbreak either. "This is distress among pig farmers in Kolda commune. Their animals are being decimated by the swine fever, informed the president of the actors of this sector."
Date of publication:	7/14/18	
Location:	Kolda commune Senegal	
Disease type:	ASF - African Swin	
Species affected:	Wild animals Porcine	
Confirmed diagnosis	Morbidity: -	Mortality: -
Significance score:	1.00 *	Reporting source: koldanews.com
Event # 16		
Date of the event:	7/13/18	"Pig owners in the Central Region are alarmed over a confirmed outbreak of African swine fever in the region. The contagious hemorrhagic disease of pigs was confirmed by the Veterinary Services in the Region, Thursday night. It is not clear yet how many pigs have been affected by the disease but the Service is taking proactive measures to stop its spread. It has consequently placed a ban on the movement of pigs in the region and has written to the police service to help enforce the ban."
Date of publication:	7/13/18	
Location:	Central Region Ghana	
Disease type:	ASF - African Swin	
Species affected:	Not informed or s	

Species affected:	Porcine		
Confirmed diagnosis	Morbidity: 0	Mortality: 0	
Significance score:	1.00 *	Reporting source: myjoyonline.com	
Event # 17	Reports of significant rates of mortality of pig farms have been notify for the past three months coming mainly from Thika, Juja, Ruiru, Ruai, Isinya and Limuru in Kiambu and Kajiado counties, which have plenty of swine farmers and slaughterhouses. After extensive discussions with the farmers and relevant veterinary authorities, some veterinarians are of the opinion that the devastating disease is African Swine Fever (ASF). Still, disease reporting and control protocol demands that notifiable diseases like ASF be confirmed by government laboratory diagnosis and declared by the Director of Veterinary Services (DVS).		
Date of the event:			8/1/18
Date of publication:			#REF!
Location:			Thika, Juja, Ruiru, Ruai, Isinya and Limuru in Kenya
Disease type:			ASF - African Swine
Species affected:			Farm animals Porcine
Presumptive diagnosis	Morbidity: -	Mortality: -	
Significance score:	1.00 *	Reporting source: nation.co.ke	
Event # 18	This is the first outbreak of African swine fever in China. The local government launched the African Swine Fever Contingency Plan and Emergency Response Level II, according to the Standards & Protocols for African swine fever. A series of control measures have been taken. Removed from the susceptible population through death, destruction and/or slaughter.		
Date of the event:			#REF!
Date of publication:			8/3/18
Location:			Shenbei New District, Shenyang, Liaoning China
Disease type:			ASF - African Swine
Species affected:			Farm animals Porcine
Confirmed diagnosis	Morbidity: 0.54	Mortality: 100	
Significance score:	3.00 *	Reporting source: OIE	
*Significance score: A scoring system to assess the likelihood a disease event will impact the global swine industry. Scores range from 1-3 (low-high) based on the novelty of the disease, effect on the swine industry, and impact on trade.			

