

To: (10)(2e) | (10)(2e) @rivm.nl
From: (10)(2e)
Sent: Sat 9/5/2020 11:39:33 AM
Subject: FW: ProMED Digest, Vol 99, Issue 13
Received: Sat 9/5/2020 11:39:34 AM

Ha, tweede item gaat over face shields, in combinatie met mondneusmaskers (artikel in (10)(2e). Groet, (10)(2e)

-----Original Message-----

From: (10)(2e) @promedmail.org <(10)(2e)@promedmail.org> On Behalf Of (10)(2e) @promedmail.org
Sent: zaterdag 5 september 2020 03:52
To: (10)(2e)@promedmail.org
Subject: ProMED Digest, Vol 99, Issue 13

Today's Topics:

1. PRO/AH/EDR> COVID-19 update (389): origin of virus, face shields, selected countries, WHO, global (10)(2e)@promedmail.org
2. PRO/AH/EDR> Lumpy skin disease - Russia (02): (KH) cattle, OIE (10)(2e)@promedmail.org

 Message: 1

Date: Fri, 4 Sep 2020 15:29:18 +0000
From: (10)(2e)@promedmail.org
Subject: PRO/AH/EDR> COVID-19 update (389): origin of virus, face shields, selected countries, WHO, global
To: (10)(2e)@promedmail.org, (10)(2e)@promedmail.org, (10)(2e)@promedmail.org

Message-ID: <(10)(2e)@email.amazonses.com>

Content-Type: text/plain; charset=UTF-8

CORONAVIRUS DISEASE 2019 UPDATE (389): ORIGIN OF THE VIRUS, CAUTION FACE SHIELDS, SELECTED COUNTRIES, WHO, GLOBAL

A ProMED-mail post
 <<http://www.promedmail.org>>
 ProMED-mail is a program of the
 International Society for Infectious Diseases <<http://www.isid.org>>

In this update:

- [1] Where did COVID-19 come from
 [2] Switzerland: caution re face shields [3] Selected countries: 3 Sep 2020 case and death updates [4] WHO: daily new cases reported (as of 3 Sep 2020) [5] Global update: Worldometer accessed 3 Sep 2020 22:07 EDT (GMT-4)

[1] Where did COVID-19 come from
Date: Tue 1 Sep 2020
Source: The Naked Scientists (edited)
 <<https://www.thenakedscientists.com/podcasts/naked-scientists-podcast/where-did-covid-come>>

Where did the coronavirus come from? The story we've been told is that it started off in bats and then jumped into humans some time late last year [2019] at a seafood market in the city of Wuhan. It's a neat tale -- but the problem is, nobody actually knows whether it's completely accurate. In this programme, we're exploring the possibilities, the evidence, and the gaps in the evidence...

WHO plans mission to China. The advance party has been and gone -- and now an international team will travel to Wuhan to ask questions...
 Tedros Ghebreyesus & (10)(2e) Ryan, WHO

Why COVID was first linked to bats. The 1st cases were reported in people in the city of Wuhan. Where and how did bats get involved?

(10)(2e) Carroll, Global Virome Project

SARS from horseshoe bats: history repeating itself? Hearing about the new coronavirus, many were struck with d[?] vu -- because parts have happened before...
Peter Daszak, EcoHealth Alliance

How did the coronavirus get from bats to us? Scientists haven't found an animal carrying the coronavirus yet. Where is it? And is it a bat or not?
Raina Plowright, Montana State University

Coronavirus risk increases up the wildlife supply chain. In the live rodent trade, infections with a coronavirus go up the closer you get to the consumer...
Amanda Fine, Wildlife Conservation Society

Genetic tree suggests origin in rural China. Based on the first gene sequences of the coronavirus, it may not have come from Wuhan at all...
Peter Forster, University of Cambridge

Disease spillovers: "a common occurrence". Scientists tested people in rural China and found infections of a separate coronavirus...
Maureen Miller, Columbia University

COVID was already adapted to humans in Wuhan. Analysis of the very first SARS-CoV-2 samples shows they already looked evolved to infect us...
Alina Chan, Broad Institute; (10)(2e), University of British Columbia

SARS-CoV-2: natural or man-made? The virus binds perfectly to human proteins. What's the explanation?
Nik Petrovsky, Flinders University

The case against COVID coming from a lab. We can't rule out the possibility -- but the evidence seems to point to a natural origin...
David Robertson, University of Glasgow

SARS 3: how to plan for the next pandemic. When it comes to the origins of COVID, there are still lots of unknowns. But we can be sure of a sequel...
Peter Daszak, EcoHealth Alliance; (10)(2e) Carroll, Global Virome Project; Raina Plowright, Montana State University

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Communicated by:
Mary Marshall
<(10)(2e)@googlemail.com>

[This is a very interesting set of interviews well worth reading or listening to, on the origin of SARS-CoV-2, spillover events, adaptation. It argues against the virus originating in the Virology lab in Wuhan, or in Wuhan at all, but rather hypothesizes a more likely origin in rural southern China. - Mod.LK]

[2] Switzerland: caution re face shields
Date: Wed 15 Jul 2020 [alerted to this on 2 Sep 2020]
Source: The Local [edited]
<<https://www.thelocal.ch/20200902/visors-are-not-masks-swiss-authorities-warn-against-wearing-plastic-visors-on-public-transport>>

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[In COVID-19 update (369): India CHWs [community health workers] face shields, social distancing, WHO, global <http://promedmail.org/post/20200821.7700947>, there was a JAMA article describing a study where the addition of face shields protected community health workers (CHWs) from infection with the SARS-CoV-2 while doing household contact tracing visits. Prior to the addition of face shields, there were several cases of COVID-19 among the CHWs, but once face shields were added there were no additional cases. It is noteworthy that the face shields were added on top of masks, which is consistent with the media report above cautioning on the use of face shields alone. - Mod.MPP]

[3] Selected countries: 3 Sep 2020 case and death updates [An editorial decision has been made to eliminate this section. Today's update is the last that will have this section. I will continue to monitor these countries as I think there are lessons to be learned from them and will share impressions when indicated. - Mod.MPP]

[A] China: National Health Commission. 85 102 total cases. 4634 deaths

(25 new cases -- all imported; 8 new cases in Hong Kong)
 <<http://www.nhc.gov.cn/xcs/yqtb/202009/cac8f60f53084af3a1a5a447fc11186e.shtml>>

[B] South Korea: 20 842 confirmed cases, 331 deaths (198 new cases -- 9 imported, 189 locally transmitted)
 <http://ncov.mohw.go.kr/en/bdBoardList.do?brdId=16&brdGubun=162&dataGubun=ncvContSeq&contSeq&board_id&gubun>

[The 22nd consecutive day with more than 100 newly confirmed cases. In the past 2 weeks, there has been an increase in mortality reported as well. Notices 537 and 538 (the latest analyses of the ongoing outbreak are at <<https://www.cdc.go.kr/board.es?mid=a3040200000&bid=0030>>) provide details on clusters as of 00:00 hours [4 Sep 2020]. Of the locally transmitted cases, 68 are in Seoul, 55 are in neighboring Gyeonggi province, and 20 are in Chungnam; 14 of the 17 provinces have reported locally transmitted cases. Level 2 restrictions are being implemented, with no indoor dining and no in-person church services. - Mod.MPP]

[C] Italy: 272 912 total cases, 35 507 deaths [comparative 7-day averages have gone up by 14.5% from the preceding 7 days]
 <<https://www.albengacorsara.it/doc/dpc-covid19-ita-scheda-regioni-2020-09-03.pdf>>

[The 7-day average comparison continues to show a decreasing change in the increase in confirmed cases, suggesting the increased transmission is slowing down. - Mod.MPP]

[D] Iran: 380 746 total cases, 21 926 deaths <<https://ifpnews.com/irans-coronavirus-cases-hit-380000-health-ministry>>

[E] USA: 6 335 244 total cases, 191 058 deaths [comparative 7-day averages are going down by 3.9% for daily case counts and reported mortality has gone down by 15.1% for reported deaths] <https://promedmail.org/wp-content/uploads/usa-pdf/SEPT3_USA_DATASET_1599192530.pdf>
 accessed at 22:21 EDT (GMT-4) and
 <https://promedmail.org/wp-content/uploads/usa-pdf/SEPT3US7_1599192576.pdf>

[With the greater availability of antigen testing for quick results, many states are not counting those individuals as confirmed cases. A map showing the testing rate per 100 000 population by state can be seen at <<https://covid.cdc.gov/covid-data-tracker/#testing>>. On that same page are the figures on total tests performed and total positive tests; the overall positivity rate remains at 9%, while the 48 hour positivity rate was 7.9%. - Mod.MPP]

[F] Spain: 488 513 cases, 29 234 deaths [14-day population-based rate: 212.98 /100 000, up from 7.74 on 25 Jun 2020 and up from 211.84 on 2 Aug 2020]
 <https://www.mscbs.gob.es/profesionales/saludPublica/ccayes/alertasActual/nCov/documentos/Actualizacion_199_COVID-19.pdf>.
 There may be a leveling off/plateau of transmission.

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Communicated by:
 ProMED-mail
 <[\(10\)\(20\)@promedmail.org](mailto:(10)(20)@promedmail.org)>
 and
 ProMED-mail Rapporteur Kunihiko Iizuka

[A repetitive comment (for those who have read this before): These countries were selected on account of having had significant surges of SARS-CoV-2 infections but having responded differently. In some cases, transmission was almost interrupted, but resurgences have occurred, and countries have handled them differently. Lifting of restrictions has led to major resurgences in some areas; in others, early new threats seem to be importations, but community spread does recur. Good contact tracing has helped to shorten the time with new clusters, and temporary new restrictions have had an impact. Countries not implementing restrictions have done more poorly, with major resurgences and more widespread community-based transmission.

In South Korea, it looks like major transmission is continuing though possibly slowing down over the past few days, and reported deaths have been increasing as well. Previously, when there were major events, time-limited increased restrictions were implemented, and as of 21 Aug 2020, they are being implemented again. In Italy and Spain, where there have been major increases in reported cases. A key takeaway message is that the virus is still circulating globally, and relaxing of the guard (eliminating simple measures of social distancing, wearing face masks, handwashing, and the avoidance of large gatherings) is an open invitation for the virus to re-enter with clusters of cases and ultimately community transmission. - Mods.MPP/UBA]

[4] WHO: daily new cases reported (as of 3 Sep 2020)
 Date: Thu 3 Sep 2020
 Source: WHO [abridged, edited]
 <<https://covid19.who.int/table>>

*Daily case reports as of 3 Sep 2020 18:31 pm CEST

Surveillance

 WHO region (no. countries/territories):
 Total confirmed cases (new cases in last 24 hours) / Total deaths (new deaths in last 24 hours)

Western Pacific Region (19): 505 156 (3197) / 10 904 (50) European Region (61): 4 353 514 (39 351) / 220 955 (447) South East Asia Region (10): 4 409 210 (90 929) / 79 699 (1201) Eastern Mediterranean Region (22): 1 952 491 (13 287) / 51 749 (327) Region of the Americas (54): 13 596 877 (127 130) / 473 437 (4115) African Region (49): 1 066 906 (5444) / 22 373 (178) Cases on an international conveyance (Diamond Princess): 712 (0) / 13 (0)

Confirmed cases (new cases in last 24 hours) / Total deaths (new deaths in last 24 hours) Grand total: 25 884 895 (279 338) / 859 130 (6318)

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[The number of countries and territories reporting confirmed cases of COVID-19 to WHO remains at 215.

Data by country, area, or territory for 3 Sep 2020 can be accessed at <https://promedmail.org/wp-content/uploads/world-pdf/WHO%20daily%20tablesSept3_1599188683.pdf>

- The Americas region reported 45.5% of daily case numbers and 65.1% of the daily deaths reported in the past 24 hours, maintaining its position as the most severely affected region, having reported more than 13.5 million cases. The USA and Brazil are dominant followed by Argentina, Colombia, Mexico, and Peru.
- The European region reported 14.1% of daily case numbers and 7.1% of the daily deaths reported in the past 24 hours, and total cumulative cases reported exceed 4.3 million. Spain dominant followed by France, Russia, Ukraine, and Israel.
- The Eastern Mediterranean region reported 4.8% of daily case numbers and 5.2% of the deaths reported in the past 24 hours, having reported a cumulative total of greater than 1.9 million cases. Iraq remains the dominant country, followed by Iran, Morocco, the Palestinian Authority, and Saudi Arabia.
- The African region reported 1.9% of daily case numbers and 2.8% of the deaths reported in the past 24 hours and have reported more than one million cases. While South Africa remains the dominant country, the numbers have been lower than in previous days and weeks, followed by Ethiopia, Algeria, Ghana, Nigeria, and Kenya.
- The Western Pacific region reported 1.1% of daily case numbers and 0.79% of the deaths reported in the past 24 hours, having reported a cumulative total of 0.5 million cases. The Philippines continues to dominate, followed by Japan and South Korea.
- The South East Asia region reported 32.6% of the daily newly reported cases and 19.0% of reported deaths in the past 24 hours, having reported a cumulative total of more than 4.4 million cases. India continues to dominate followed by Indonesia and Bangladesh.

Noteworthy is that the regional cumulative case count for South East Asia has now surpassed that of Europe, with daily newly confirmed cases almost 3 times that of Europe.

On the Overview tab at the WHO source URL, the epidemic curve of confirmed COVID-19 cases by WHO region, 30 Dec 2019 through 3 Sep 2020, is an excellent visual representation of the epidemic. - Mod.MPP]

 [5] Global update: Worldometer accessed 3 Sep 2020 22:07 EDT (GMT-4)
 Date: Thu 3 Sep 2020
 Source: Worldometer [edited]
 <<https://www.worldometers.info/coronavirus/#countries>>

[For those who wish to see the detailed global data, a snapshot of the Worldometer table at the time we accessed it is available at <https://promedmail.org/wp-content/uploads/world-pdf/SEPT3DATASET_1599192530.pdf>

A 7-day series of cumulative data reported by countries, territories, and reporting entities can be found at <https://promedmail.org/wp-content/uploads/world-pdf/SEPT3WORLD7_1599192576.pdf>
 - Mod.MPP]

Total number of reported deaths: 873 108 Total number of worldwide cases: 26 465 221 Number of newly confirmed cases in the past 24 hours: 289 081

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[The USA, Brazil, and India are still the most severely affected countries in terms of cumulative case counts and daily new case confirmations. In the past 24 hours, these 3 countries -- India (84 156), followed by Brazil (44 728) and the USA (44 507) -- account for over half of all confirmed cases globally (54.1%). A global total of 5813 deaths were reported in the past 24 hours (2-3 Sep 2020).

Countries reporting more than 5000 newly confirmed cases in the past 24 hours include India, USA, Brazil, Argentina (12 026), Spain (8959), Colombia (8235), France (7157), Peru (6708), and Mexico (5937), and 28 countries have reported more than 1000 cases in the past 24 hours.

Comparing the 7-day averages of daily confirmed cases from the past 7 days and those from 8-14 days ago, there is an increase of 5.6%, while daily reported deaths have decreased by 1.3%.

Impression: Unchanged from recent days. The SARS-CoV-2 is still actively being transmitted in all regions of the world and many countries are showing increases in their daily newly confirmed case counts and mortality. The global 7-day averages seem to reflect a small increase in reporting confirmed cases, although deaths are decreasing. The European region is seeing increasing cases in western European countries that had markedly reduced transmission in late spring. The most severely affected region remains the Americas. - Mod.MPP]

[See Also:

COVID-19 update (388): corticosteroids, serosurvey, selected countries, WHO, global <http://promedmail.org/post/20200903.7743273>COVID-19 update (387): Netherlands, mink, animal & public health, research <http://promedmail.org/post/20200902.7740793>COVID-19 update (386): Americas HCWs, wastewater transmission susp, WHO, global <http://promedmail.org/post/20200902.7737985>

COVID-19 update (385): guidelines for working with wildlife

<http://promedmail.org/post/20200901.7735967>

COVID-19 update (384): vaccine trials, WHO, global

<http://promedmail.org/post/20200901.7733788>COVID-19 update (383): surveill weakness, poultry plant, 2nd inf, WHO, global <http://promedmail.org/post/20200831.7730877>COVID-19 update (382): Netherlands, animal, farmed mink, spread, control <http://promedmail.org/post/20200830.7730463>COVID-19 update (381): saliva vs nasopharyngeal, ocular, countries, WHO, global <http://promedmail.org/post/20200830.7729582>COVID-19 update (380): excess mortality, 2nd infect, pediatric shedding, WHO <http://promedmail.org/post/20200829.7727737>COVID-19 update (370): USA severe illness risk, saliva vs DNS vs ANS, WHO, global <http://promedmail.org/post/20200822.7704511>

COVID-19 update (360): USA (NC, NY) animal, dog, comment

<http://promedmail.org/post/20200815.7681907>

COVID-19 update (350): USA (TX) animal, cat

<http://promedmail.org/post/20200808.7658191>COVID-19 update (340): animal, China, enviro monitoring, Netherlands (NB), mink <http://promedmail.org/post/20200801.7635820>

COVID-19 update (330): China (Hong Kong) animal, cat, OIE

<http://promedmail.org/post/20200724.7609215>

COVID-19 update (320): Africa, selected countries, WHO, global

<http://promedmail.org/post/20200717.7583377>COVID-19 update (310): Kazakhstan pneumonia, selected countries, WHO, global, RFI <http://promedmail.org/post/20200710.7560034>COVID-19 update (300): Korea antibodies, China asymptomatic index case, WHO <http://promedmail.org/post/20200703.7536146>

COVID-19 update (250): selected countries

<http://promedmail.org/post/20200610.7448037>

COVID-19 update (200): global, Yemen, WHO

<http://promedmail.org/post/20200522.7364937>Undiagnosed pediatric inflammatory syndrome (06): COVID-19, heart, young adults <http://promedmail.org/post/20200522.7364506>

Undiagnosed pediatric inflammatory syndrome (05): Europe, USA,

COVID-19 assoc <http://promedmail.org/post/20200518.7340554>

Undiagnosed pediatric inflammatory syndrome (04): USA, UK, PMIS, fatal

<http://promedmail.org/post/20200509.7315405>

Undiagnosed pediatric inflammatory syndrome (03): USA, Europe,

COVID-19 susp, RFI <http://promedmail.org/post/20200505.7299876>

COVID-19 update (150): global, USA state prisons, WHO

<http://promedmail.org/post/20200502.7290671>COVID-19 update (100): China, S. Korea & high local transmission countries <http://promedmail.org/post/20200413.7217806>COVID-19 update (50): China (Hong Kong) animal dog, 2nd case PCR positive, OIE <http://promedmail.org/post/20200323.7129951>

COVID-19 update (01): China, global, EVZD, reporting criteria, WHO

<http://promedmail.org/post/20200213.6984084>

Novel coronavirus (42): China, global, COVID-19, SARS-CoV-2, WHO

<http://promedmail.org/post/20200211.6979942>Novel coronavirus (41): China, global, clinical pics, asymptomatic trans., WHO <http://promedmail.org/post/20200210.6976117>Novel coronavirus (40): animal reservoir, pangolin poss intermediate host, RFI <http://promedmail.org/post/20200210.6972104>

Novel coronavirus (30): updates, China, Viet Nam, research

<http://promedmail.org/post/20200202.6945658>
 Novel coronavirus (20): China, wildlife trade ban
<http://promedmail.org/post/20200127.6922060>
 Novel coronavirus (10): China (HU, GD, BJ)
<http://promedmail.org/post/20200119.6898567>
 Novel coronavirus (01): China (HU) WHO, phylogenetic tree
<http://promedmail.org/post/20200112.6885385>
 Undiagnosed pneumonia: China (HU) (10): genome available, Hong Kong surveill. <http://promedmail.org/post/20200111.6883998>
 Undiagnosed pneumonia: China (01): (HU) wildlife sales, market closed, RFI <http://promedmail.org/post/20200102.6866757>
 2019

Undiagnosed pneumonia: China (HU): RFI
<http://promedmail.org/post/20191230.6864153>
 and other items in the archives]

.....ml/sb/lk/mpp/mj/ml

Message: 2
 Date: Sat, 5 Sep 2020 01:49:35 +0000
 From: (10)(2e)@promedmail.org
 Subject: PRO/AH/EDR> Lumpy skin disease - Russia (02): (KH) cattle, OIE
 To: (10)(2e)@promedmail.org, (10)(2e)@promedmail.org, (10)(2e)@promedmail.org
 Message-ID: <(10)(2e)@email.amazonses.com>

Content-Type: text/plain; charset=UTF-8

LUMPY SKIN DISEASE - RUSSIA (02): (KHABAROVSK) CATTLE, OIE

A ProMED-mail post
 <<http://www.promedmail.org>>
 ProMED-mail is a program of the
 International Society for Infectious Diseases <<http://www.isid.org>>

Date: Thu 3 Sep 2020
 Source: OIE, WAHIS [edited]
 <https://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=35612>

Lumpy skin disease [LSD], Russia

Information received on [and dated] 3 Sep 2020 from (10)(2e)
 Surveillance, Ministry of Agriculture, Moscow, Russia

Summary:
 Report type: immediate notification
 Date of start of the event: 25 Aug 2020
 Date of confirmation of the event: 1 Sep 2020 Reason for notification: 1st occurrence of a listed disease Manifestation of disease: clinical
 disease Causal agent: lumpy skin disease virus Nature of diagnosis: clinical, laboratory (basic) This event pertains to a defined zone
 within the country.

New outbreaks (1)

Summary of outbreaks

Total outbreaks: 1

Outbreak location: Khabarovsk, Khabarovskiy Kray [Khabarovsk] Date of start of the outbreak: 25 Aug 2020 Outbreak
 status: continuing (or date resolved not provided) Epidemiological unit: backyard Total animals affected:
 Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered Cattle / 4 / 3 / 0 / - / -

Outbreak statistics [rates apparent, expressed as percentages] Species / Morbidity rate / Mortality rate / Case fatality rate / Proportion
 susceptible animals lost* Cattle / 75 / 0 / 0 / ** *Removed from the susceptible population through death, destruction, and/or slaughter
 **Not calculated because of missing information

Epidemiology

Source of the outbreak(s) or origin of infection: unknown or inconclusive

Control measures

Measures applied: movement control inside the country; screening; quarantine; official disposal of carcasses, by-products, and waste; zoning; disinfection; disinfestation; process to inactivate the pathogenic agent in products or by-products; vector surveillance; vaccination permitted (if a vaccine exists); no treatment of affected animals Measures to be applied: no other measures

Diagnostic test results

Laboratory name and type / Species / Test / Test date / Result Primorskaya veterinary laboratory (local laboratory) / cattle / real-time PCR / 1 Sep 2020 / positive

Future reporting

The event is continuing. Weekly follow-up reports will be submitted.

[The location of the outbreak can be seen on the interactive map included in the OIE report at the source URL above.]

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[Lumpy skin disease (LSD, knopvelsiekte) is a poxvirus disease of cattle characterised by fever; nodules on the skin, mucous membranes, and internal organs; emaciation; enlarged lymph nodes; oedema of the skin; and sometimes death. The disease is of economic importance as it can cause a temporary reduction in milk production, temporary or permanent sterility in bulls, damage to hides, and death due to secondary bacterial infections.

Various strains of capripoxvirus are responsible for the disease.

These are antigenically indistinguishable from strains causing sheep pox and goat pox yet distinct at the genetic level. LSD has a partially different geographical distribution from sheep and goat pox, suggesting that cattle strains of capripoxvirus do not infect and transmit between sheep and goats. Transmission of LSD virus (LSDV) is thought to be predominantly by arthropods, natural contact transmission in the absence of vectors being inefficient. Additional information on LSD is available at <https://www.oie.int/fileadmin/Home/eng/Health_standards/tahm/3.04.12_LSD.pdf>.

The huge leap of LSD from Russia's most eastern outbreak, located in the Altayskiy Kray (close to the Kazakhstan border; see <http://promedmail.org/post/20200807.7656258>), to the far eastern province Khabarovskiy Kray, exceeding 4000 km [2485 mi], is striking; see OIE's global LSD outbreak map, 1 Jan 2019 - 4 Sep 2020, at <<https://tinyurl.com/y7v29a4y>>.

Khabarovsk is located very close to the border with China's northeastern province Heilongjiang (map at <<https://tinyurl.com/y5n86s37>>). Most likely, the virus has spread from China's territory. LSD is suspected to have been widely spreading in China, while under-reported, since August 2019, when it was introduced from Kazakhstan. China's semi-annual report to the OIE, covering January - June 2020, is not yet available.

For further recent information on the epidemiology of LSD in EurAsia, its spread to east Asia, vaccine efficacy/safety, and additional updated information, please see the following EFSA (European Food Safety Authority) article:

Citation: Calistri P, De Clercq K, Gubbins S, et al.: Scientific report on the lumpy skin disease epidemiological report IV: data collection and analysis. EFSA Journal. 2020; 18(2): e06010; 36 pp. <<https://doi.org/10.2903/j.efsa.2020.6010>>.

A map of the reported LSD outbreaks in Russian Federation in 2016-2019 and the number of affected animals in each outbreak (source: OIE, Global Framework for the Progressive Control of Transboundary Diseases [GF-TADs]) can be seen at <<https://efsa.onlinelibrary.wiley.com/doi/10.2903/j.efsa.2020.6010#efs26010-fig-0006>>. - Mods.AS/CRD

HealthMap/ProMED-mail map:

Khabarovsk Krai, Russia: <<http://healthmap.org/promed/p/447>>

[See Also:

Lumpy skin disease - Russia: (AL) cattle, OIE
<http://promedmail.org/post/20200807.7656258>
 Lumpy skin disease - China (03): (JX) cattle, spread
<http://promedmail.org/post/20200805.7644903>
 Lumpy skin disease - Nepal (02): (MO, CH, RT) cattle, 1st rep, OIE
<http://promedmail.org/post/20200731.7630121>
 Lumpy skin disease - China (02): cattle, spread, OIE
<http://promedmail.org/post/20200731.7628342>
 Lumpy skin disease - Kyrgyzstan: (YK,CU) cattle, 1st rep 2019
<http://promedmail.org/post/20200729.7624163>
 Lumpy skin disease - Nepal: cattle, 1st rep, susp.
<http://promedmail.org/post/20200722.7601885>

Lumpy skin disease - China: cattle, spread
<http://promedmail.org/post/20200716.7580459>
 Lumpy skin disease - Taiwan: (FK) cattle, 1st rep, OIE
<http://promedmail.org/post/20200710.7561703>
 Lumpy skin disease - Bangladesh: (RP) cattle, spread
<http://promedmail.org/post/20200611.7459654>
 Lumpy skin disease - India (02): (TG) cattle, spread
<http://promedmail.org/post/20200517.7346753>
 Lumpy skin disease - Syria: (LA) cattle, OIE
<http://promedmail.org/post/20200430.7284694>
 Lumpy skin disease - India (01): (KL) cattle, spread
<http://promedmail.org/post/20200216.6993267>

2019

Lumpy skin disease - Syria (02): (HI) cattle, spread
<http://promedmail.org/post/20191206.6826855>
 Lumpy skin disease - Bangladesh: (CG,DH) cattle, 1st rep
<http://promedmail.org/post/20191126.6799203>
 Lumpy skin disease - India (05): (OR) cattle, 1st rep, OIE
<http://promedmail.org/post/20191119.6787416>
 Lumpy skin disease - Russia: (NS) cattle, spread, OIE
<http://promedmail.org/post/20191031.6754557>
 Lumpy skin disease - Palestinian Auth: (WB) cattle, OIE
<http://promedmail.org/post/20190909.6664695>
 Lumpy skin disease - India (02): (OR) cattle, susp, spread, RFI
<http://promedmail.org/post/20190826.6641695>
 Lumpy skin disease - China: (XJ) cattle, 1st rep, OIE
<http://promedmail.org/post/20190826.6641564>
 Lumpy skin disease - India: (OR) cattle, susp, RFI
<http://promedmail.org/post/20190822.6635505>
 Lumpy skin disease - Europe (03): Russia (SR) cattle, OIE
<http://promedmail.org/post/20190730.6594432>
 Lumpy skin disease - Syria: cattle, 1st rep
<http://promedmail.org/post/20190725.6585523>
 Lumpy skin disease - Israel (02): (HZ) cattle, spread, control, OIE
<http://promedmail.org/post/20190622.6533714>
 Lumpy skin disease - Israel: (HZ) cattle, OIE
<http://promedmail.org/post/20190605.6505053>

2018

Lumpy skin disease - Europe (04): Russia (KU,OM) bovine, OIE; Kazakhstan, RFI <http://promedmail.org/post/20181001.6064502>
 Lumpy skin disease - Europe (02): Russia (SA) bovine, OIE
<http://promedmail.org/post/20180717.5910867>
 Lumpy skin disease, bovine - Kazakhstan: (QS) vaccine source susp, RFI
<http://promedmail.org/post/20180804.5947342>

2017

Lumpy skin disease - Europe (09): Russia (OB) bovine, OIE
<http://promedmail.org/post/20171215.5506584>
 Lumpy skin disease - Europe (08): Russia (OB) bovine, Kazakhstan (AR) susp. <http://promedmail.org/post/20170831.5287377>
 Lumpy skin disease, bovine - Kazakhstan (03): (AR) spread susp, vaccination, RFI <http://promedmail.org/post/20170830.5282993>
 Lumpy skin disease, bovine - Kazakhstan (02): (WK) spread susp, RFI
<http://promedmail.org/post/20170825.5274779>
 Lumpy skin disease, bovine - Kazakhstan: (WK) susp. RFI
<http://promedmail.org/post/20170815.5251541>
 Lumpy skin disease - Europe (07): Russia (SR,OB) bovine, Kazakhstan, susp, OIE <http://promedmail.org/post/20170804.5228182>
 Lumpy skin disease - Europe (06): Russia (SR) bovine, OIE
<http://promedmail.org/post/20170613.5102804>
 Lumpy skin disease - Europe (04): Russia, vaccine
<http://promedmail.org/post/20170511.5028821>
 Lumpy skin disease - Europe (03): bovine, data collection & analysis, vaccination <http://promedmail.org/post/20170428.5001476>
 Lumpy skin disease - Europe: bovine, prevention, FAO
<http://promedmail.org/post/20170116.4767100>

2016

Lumpy skin disease, bovine - Kazakhstan (04): Continuing, OIE, RFI
<http://promedmail.org/post/20161118.4638662>
 Lumpy skin disease - Europe (27): Georgia, bovine, first rep, OIE

<http://promedmail.org/post/20161108.4615622>
 Lumpy skin disease - Europe (25): Russia (SA) bovine, OIE
<http://promedmail.org/post/20161015.456198>
 Lumpy skin disease - Europe (23): Russia (TB) bovine, OIE
<http://promedmail.org/post/20160908.4474777>
 Lumpy skin disease - Europe (22): bovine, updated situation
<http://promedmail.org/post/20160828.4446356>
 Lumpy skin disease - Europe (21): Russia (VR) bovine, OIE
<http://promedmail.org/post/20160820.4429724>
 Lumpy skin disease - Europe (20): EU, preventive vaccination policy
<http://promedmail.org/post/20160812.4410864>
 Lumpy skin disease, bovine - Kazakhstan (03): (AR), spread
<http://promedmail.org/post/20160727.4374008>
 Lumpy skin disease, bovine - Kazakhstan (02): (WK) susp, June 2016, RFI <http://promedmail.org/post/20160723.4365082>
 Lumpy skin disease, bovine - Kazakhstan: (MG) 1st report, OIE
<http://promedmail.org/post/20160722.4363497>
 Foot & mouth disease - Kazakhstan (02): (WK) bov, NOT, RFI
<http://promedmail.org/post/20160722.4362368>
 Foot & mouth disease - Kazakhstan: (WK) bovine, susp, RFI
<http://promedmail.org/post/20160717.4350687>
 Lumpy skin disease - Europe (11): Russia (KL) bovine, OIE
<http://promedmail.org/post/20160630.4319462>
 Lumpy skin disease - Europe (05): Russia (KD) bovine, OIE <http://promedmail.org/post/20160531.4254965>
crd/arn/tw/ml

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