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Veterinary Services contribution to the COVID-19 pandemic response in the Republic of Kazakhstan

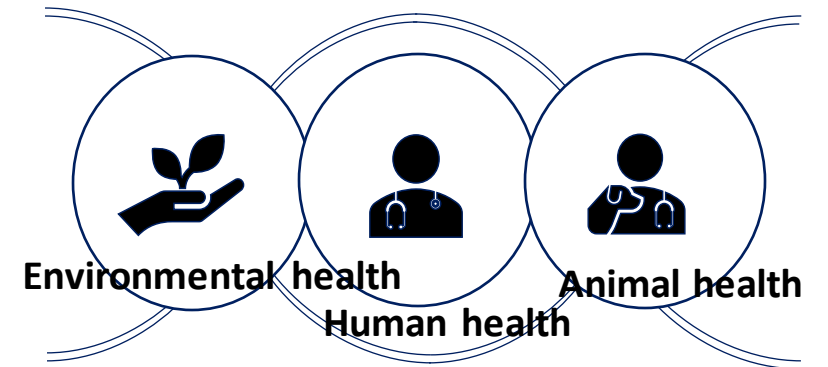
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3-5 April 2023

Maison de la Chimie, Paris, France

One Health Approach

Integrated, unifying approach to balance and optimize the health of people, animals and the environment (WHO)



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COVID-19 pandemic in Kazakhstan

The COVID-19 pandemic in Kazakhstan is part of the worldwide pandemic of coronavirus disease 2019 caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).

First case confirmed in Kazakhstan on 13 March 2020.

The first lock-down was in effect from March 16 to May 11, 2020.



Kazakhstan

Coronavirus Cases:

1,499,224

Deaths:

19,071

Recovered:

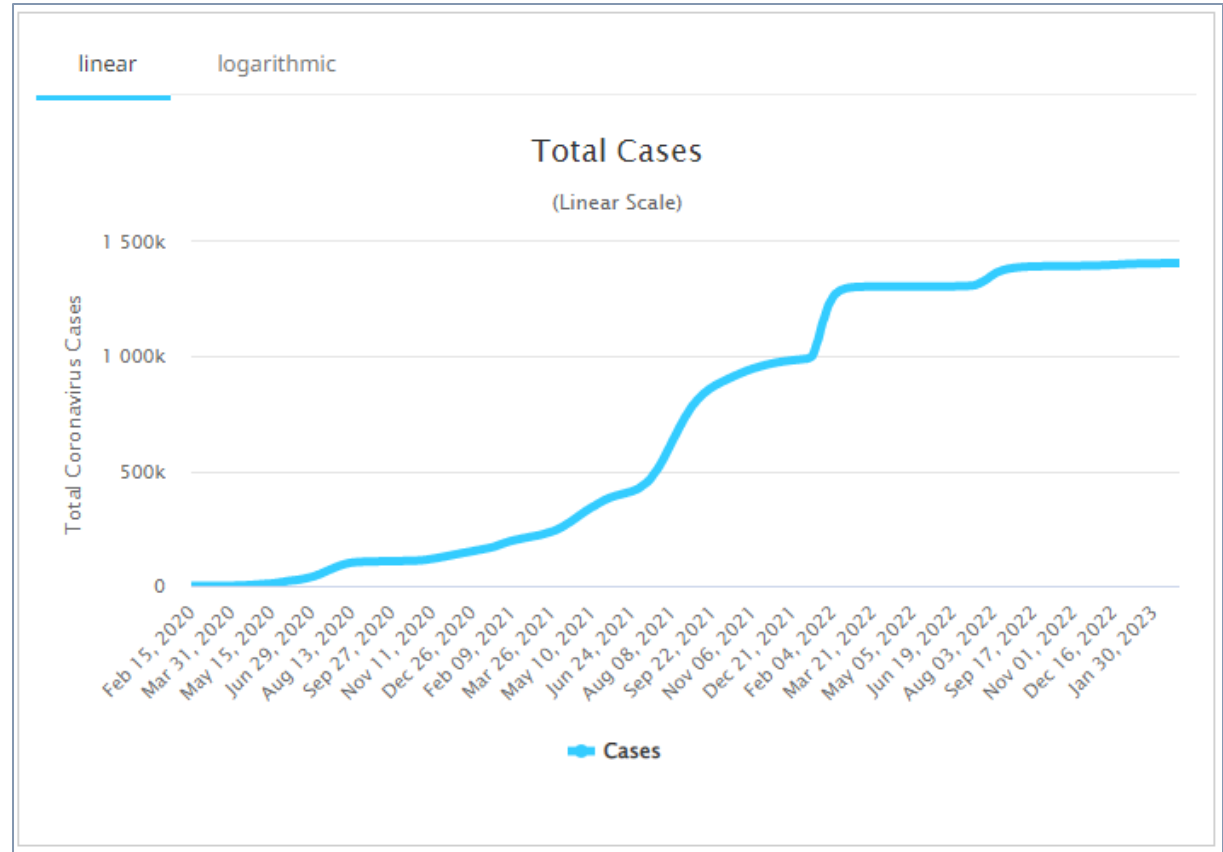
1,383,020

Vaccine doses
administered:

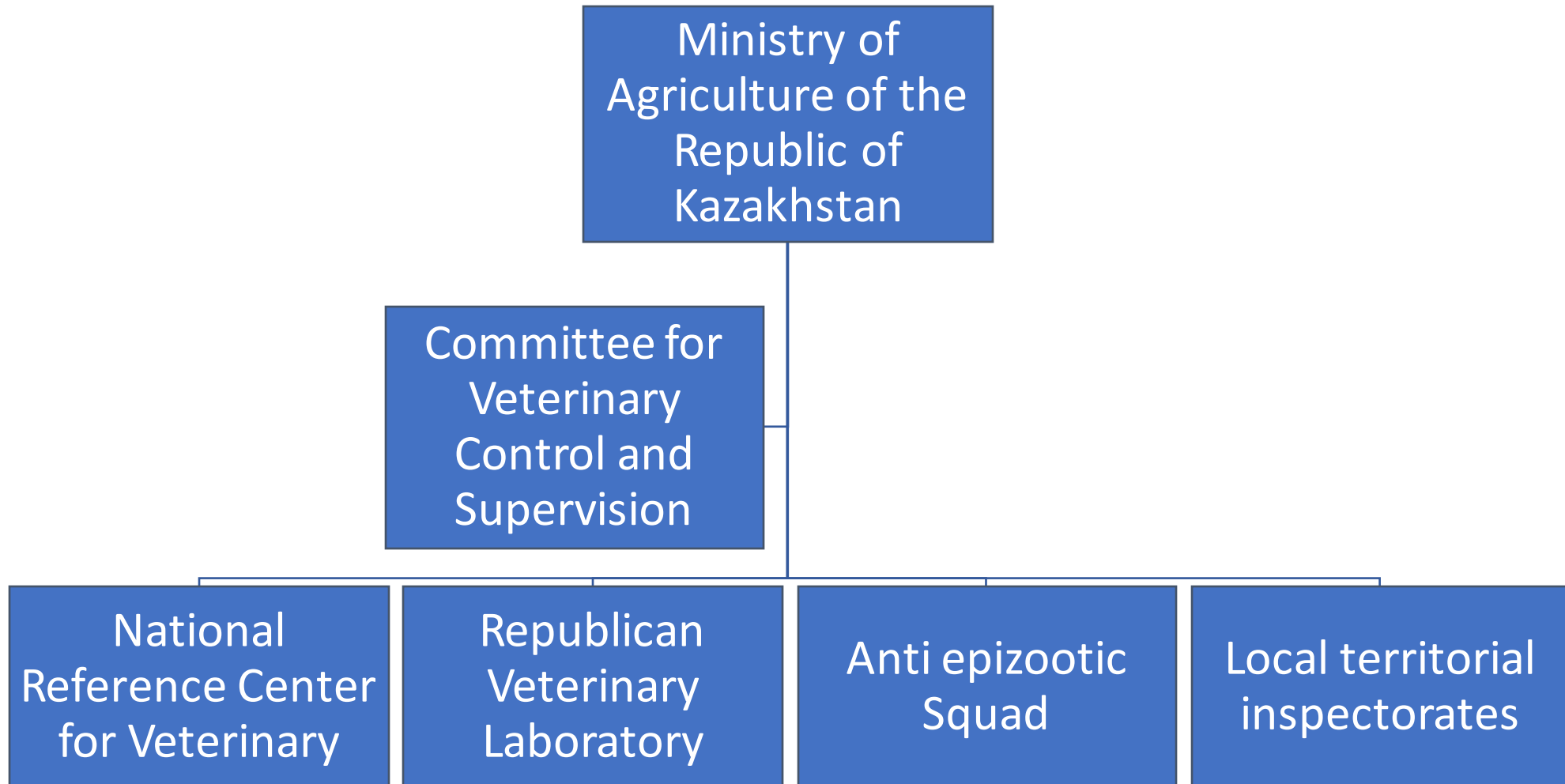
33,563,811

COVID-19 pandemic in Kazakhstan

Total Coronavirus Cases in Kazakhstan



Veterinary services in Kazakhstan



Republican Veterinary Laboratory

Main functions:

Diagnosis of infectious diseases of animals

Capacity and capability:

- ✓ 18 regional laboratories
- ✓ 155 laboratories in rural districts of Kazakhstan
- ✓ 2112 laboratory specialists



National Reference Center for Veterinary

- Two branches in Astana and Almaty
- Reference function for the diagnosis of animal diseases and epizootic monitoring
- Diagnosis of infectious disease of animals using bacteriology, serology and molecular biology methods
- Maintenance of the National Collection of Deposited Strains of Microorganisms (Almaty)
- Registration and approbation of veterinary drugs, feed additives, quality control of preparations during their reclamation
- Food safety monitoring



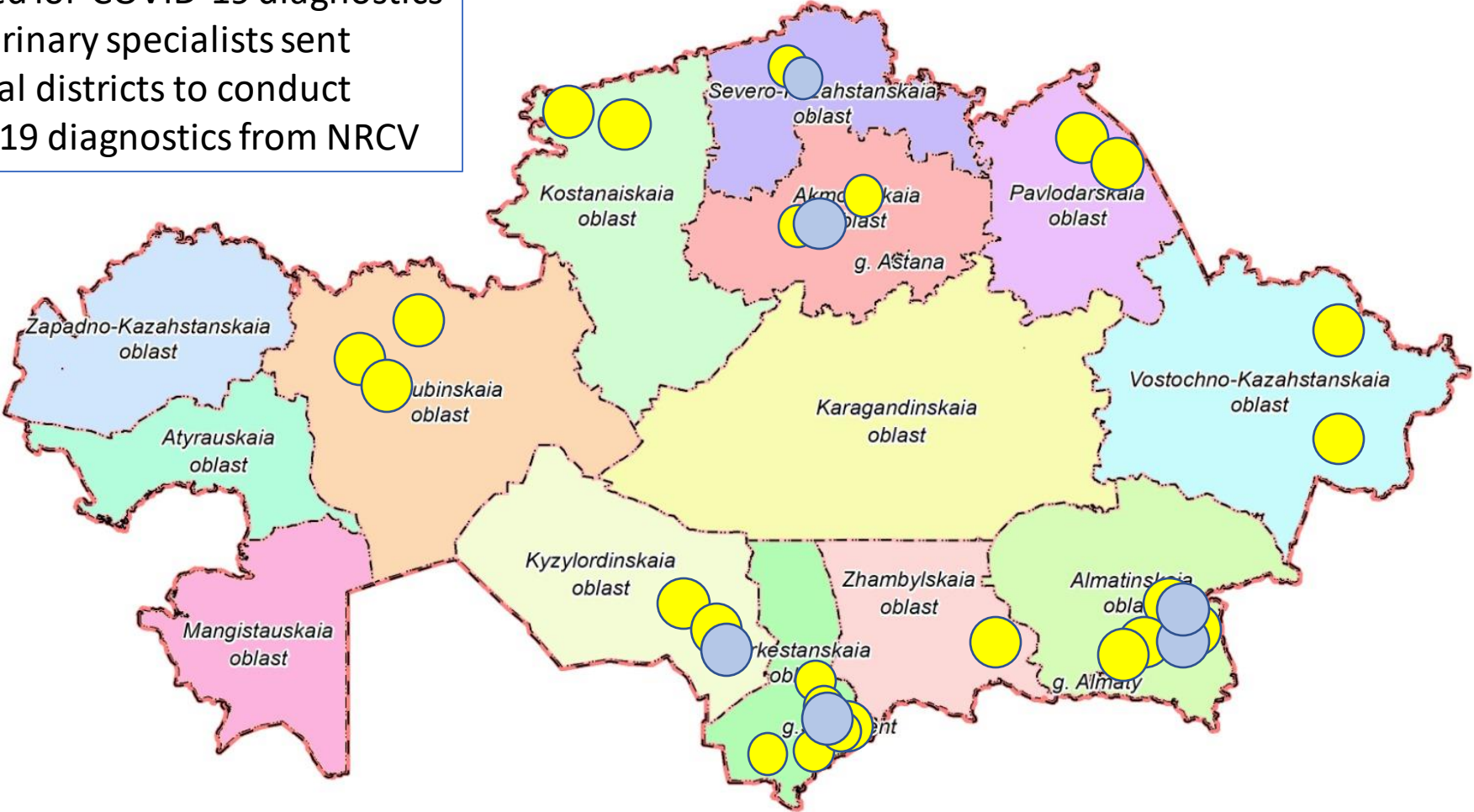


Veterinary Services contribution to the COVID-19 pandemic in Kazakhstan

- ✓ **> 67 veterinarians** trained and involved in COVID-19 diagnostics supported by **WOAH** and **RK Ministry of health** guidance
- ✓ **24 veterinary laboratories** (including 24 PCR equipment) located in 11 districts provided for COVID-19 diagnostics
- ✓ **6 PCR equipment** provided from NRCV
- ✓ **1 mobile group** on specially equipped mobile laboratory sent in rural districts for COVID-19 diagnostics
- ✓ **13 NRCV specialists** sent in **7 rural districts** to conduct COVID-19 diagnostics
- ✓ **37031** COVID-19 diagnostic tests conducted

Veterinary Services contribution to the COVID-19 pandemic

- 24 veterinary laboratories (RVL) provided for COVID-19 diagnostics
- 13 veterinary specialists sent in 7 rural districts to conduct COVID-19 diagnostics from NRCV



Conclusions

- Rapid response of Veterinary services provided to Healthcare system during COVID-19 pandemic in Kazakhstan helped to tackle the emergence of an infection
- Well equipped veterinary laboratory facilities and trained specialists allowed to provide efficient support in disease diagnosis
- Well-coordinated collaboration of Healthcare and Veterinary services in Kazakhstan demonstrated effective fight against COVID-19 pandemic, which will be continued



Thank you

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This event is supported by funding from:



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