Animal health control system in Azerbaijan
Azerbaijan Horses
Stakeholder involvement in the epidemiological surveillance system

- Food Safety Agency of the Republic of Azerbaijan
- Central Veterinary Laboratory and Zone Laboratories within the Azerbaijan Institute of Food Safety
- Agrarian Services Agency under the Ministry of Agriculture
Ministry of Agriculture of the Republic of Azerbaijan

Agrarian Services Agency under the MoA of the Republic of Azerbaijan

Animal Health Department

Antiepizootic Expedition

Rayon (City) Veterinary Office
Diagnosis of animal diseases

- Laboratories with biosafety level 2
- Central Veterinary Laboratory
- Regional Test Laboratories

Diagnosis of animal diseases

- Examination of veterinary products, feed, feed additives, biological active supplements
- Examination of products of animal origin
Diagnosis of animal diseases

Management of crisis situations of animal diseases

Field laboratory with biosafety level 3

Diagnosis of especially dangerous Transboundary diseases (TBD)
Animal population (heads)

- Cattle - 2.7 million
- Sheep&goat - 8.6 million
- Poultry - 30 million
- Pigs - 5 thousand
- Camels - 200
- Horses - 65 thousand
National Programs for the Elimination of Animal Infectious Diseases

- Foot and mouth disease
- Brucellosis
- Highly pathogenic avian influenza
- Projects:
  - For rabies
  - Anthrax
  - PPR
Control measures financed from the government budget

**Vaccinations**
- Foot and mouth disease
- Anthrax
- Brucellosis (REV1 and S19)
- Classical swine fever
- Newcastle disease
- Sheep&goat pox
- LSD
- Leptospirosis,
- Rabies
- Equine Influenza
- Rhinopneumonia

**Active surveillances**
- Brucellosis (seromonitoring)
- FMD (seromonitoring)
- Tuberculinization of cattle
- Glanders (malleinization)
- HPAI (monitoring)
Main components of a surveillance system

- Electronic Integrated Infectious Disease Surveillance System (EIDSS)
- Risk analysis
- Vaccination and Seromonitoring
- Control over the movement of animals (seasonal, during religious holidays, between live stock markets, border customs points)
- Measures are being taken to obtain the status of the free zone from animal disease by the Absheron Peninsula (regionalization), construction of checkpoints at the entrances to this area is underway
• Since 2010, EIDSS has been implemented at MoH and from 2011 at Veterinary of Azerbaijan
• Since the second half of 2016 have completely switched to electronic statements from EIDSS
Information flow in EIDSS

ASA

Districts (city)
Veterinary Office

Field veterinary units

AFSA

CVL

Zonal Veterinary Laboratory

Animal disease cases, active surveillance, the aggregate data on veterinary measures
List of notifiable (OIE) equine diseases in Azerbaijan

1. African horse sickness (Free status)
2. Equid herpesvirus-1 (EHV-1/Equine rhinopneumonitis)
3. Equine infectious anaemia
4. Equine influenza
5. Equine piroplasmosis
6. Equine viral arteritis
7. Glanders
8. Dourine
9. Contagious equine metritis
10. Equine encephalomyelitis (Eastern and Western)
11. Surra (Trypanosoma evansi)
12. Venezuelan equ.encephalomyelitis
Annual vaccination measures among equines

- Glanders (malleinization) – 45000-57000 (70-75%)
- Anthrax – 74000 (98%)
- Equine influenza – 2000 among breeding horses
- Equine rhinopneumonitis - 2000 among breeding horses
Laboratory tests at the CVL for exporting horses

- Equine infectious anaemia
- Equine influenza
- Equine piroplasmosis
- Equine viral arteritis
- Glanders
- Dourine
- Contagious equine metritis
- Equine encephalomyelitis (Eastern and Western)
AFSA`s objectives in the field of veterinary

- Establishment of effective control system for animal diseases
- Registration of animal production entities and identification of animals
- Apsheron Diseases Free Zone (ADFZ)
- Increase in export potential of products of animal origin
What are the main aims of AIRS?

- Tracking the food from the farm to the table,
- Controlling the health, welfare
- Planning of production
- Management of animal breeding etc.
- To ensure the Food Safety that satisfaction the International demands
Legal references

• Relevant requirements of the World Animal Health Organization,
• Veterinary Law of Azerbaijan Republic
• «State Program for 2019-2025 for Ensuring Food Safety in Azerbaijan Republic»
Which objects will the AIDS system coordinate?

- Each animal farm
- Each animal kept in the farm
- Milk reception centers and milk factories
- Animal markets and slaughterhouses
- Transport subjects
- Markets
- Veterinarians and veterinary pharmacies
- Veterinary laboratories, etc.
The structure of the food chain «From farm to table»

- Family farms
- Meat processing factory
- Large animal complex
- Milk collection stations
- Milk processing station
- Consumer
ANY INDIVIDUAL IDENTIFICATION SHOULD BE GIVEN TO EACH FARM, LABORATORY, SLAUGHTERHOUSE, PROCESSING FACTORY, TRADE OBJECTIVES
Technical solution for animal registration and tracking

Electronic ear number
Passport
Country registration system
Farm code
National Veterinary Information System (NVIS)

• AIRS and its constituent NVIS use database information about the subjects in conjunction with the «Food Safety Information System» and «E-Agriculture» Information system;
• Carries out functions for conducting infectious diseases and monitoring animal movements.
• Manages the nutritional safety of meat, milk and other products to protect human health.
• Directs activities such as feeding, breeding and stud, etc.
• Implementation of food safety requirements in farm management (feeding, diet composition, use of medicines, etc.);
• Tracking of behavior and selling of animals,
• Preparation of reports on subjects excluded from the rules,
• Making decisions for punitive measures,
• Utilization of identification means at the end of animal life,
• Archiving and storing of informations.
Animal market management is very actual for our country at present.

- Registration of animals entry to the market,
- Reorientation from markets to farms or slaughterhouses,
- Tracking of animal health.
Animal Diseases Free Zone (ADFZ)

• Animal Diseases Free Zone will cover the Absheron peninsula including Baku, Sumgait and Absheron District.

• Importation of animals and animal products within the boundaries of the free zone will be carried out under special control and identification of farm animals stored here, with registration of the pre-production and production base.

• The experience gained in the zone will be broadened and applied throughout the country.