



Achieving Food Safety in Numbers.



The Pennsylvania Animal Health Reporting System (PAHerds) was developed to better enable the Bureau of Animal Health to control and eradicate diseases among livestock and poultry. PAHerds has an enterprise data store that is accessible by all staff members involved in Bureau activity regardless of where they are physically located. The application enables a consistent approach to managing and retrieving data across functional and program areas. This approach allows cross training of program staff with minimal learning curve as the data for all species follows the same software navigation. As a result of implementing this application, Bureau staff can now complete in minutes research that previously required weeks.

Benefits

IMPROVED PREMISE TRACKING

The system supports a hierarchy of premises that allows tracking of fields or buildings within a given postal address or multiple leasers within a given premise.

IMPROVED ANIMAL TRACKING

The system supports various means of identifying livestock and poultry. As a result, impacted animals can be monitored and isolated with contagious diseases that might not otherwise be contained.

GLOBAL ACCESS

The system has a common means of maintaining information across programs and functional areas.

CONSOLIDATED DATA

35 years of extracted data was converted to the application from mainframe files. Links to other data sources on animal laboratories also exists. This provides an immediate benefit to Bureau staff and scientists involved in agricultural and academic research. Staff members can now analyze ad-hoc information in minutes that previously required days or weeks.

EMRS

The application provides for the capture and tracking of emergency management response data.

Architecture

Developed with a web browser-based graphical user interface (GUI), the system incorporates a GIS interface. PAHerds uses Microsoft infrastructure: SQL Server, .NET Framework, and Crystal Reports. Security is based on user roles, and integrates directly with the Commonwealth-wide software for user-authentication.

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