Utah Veterinary Diagnostic Laboratory
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• Cooperative effort
  – Utah Department of Agriculture and Food
  – Utah State University

• Laboratory assays & expertise to:
  – Safeguard animal health
  – Promote Utah’s animal agricultural economy
  – Protect the public from zoonotic disease
  – Advance veterinary medicine
Utah Veterinary Diagnostic Laboratory

• Serves Utah’s:
  – Animal owners, farmers & ranchers
  – Veterinarians
  – State & federal animal health regulatory agencies
  – Department of Natural Resources
  – Public health officials
  – Law enforcement
  – Utah State University
Service to Utah State University

• School of Veterinary Medicine (SVM)
  – Faculty teach pathology courses
  – Pathology residents teach SVM laboratories in surgery, histology, general pathology & systemic pathology
  – Specimen source for pathology, clinical pathology & bacteriology courses

• USU researchers
  – Autopsy & histopathology of research animals
  – Immunohistochemistry
National Accreditation

- Accredited by the American Association of Veterinary Laboratory Diagnosticians (AAVLD), 2009 to current

“AAVLD Accreditation does not certify a product or service, rather it attests that a laboratory adheres to documented processes and quality controls in conformance with ISO-based international standards.”
National Animal Health Laboratory Network

• NAHLN Level 2 Laboratory
  – Allows official tests for foreign animal & emerging diseases
    o More rapid diagnostics
    o Increased capacity
  – Vesicular stomatitis, Fall 2019
  – Suspect Foot & Mouth Disease, December 2019
  – Exotic Newcastle Disease, Summer 2019
2019 UVDL Accessions

• Case submissions: 11,274
• Laboratory assays: 103,514

<table>
<thead>
<tr>
<th>Test type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteriology</td>
<td>3,531</td>
</tr>
<tr>
<td>Clinical Pathology</td>
<td>2,455</td>
</tr>
<tr>
<td>Immunohistochemistry</td>
<td>902</td>
</tr>
<tr>
<td>Molecular Diagnostics</td>
<td>28,019</td>
</tr>
<tr>
<td>Parasitology</td>
<td>929</td>
</tr>
<tr>
<td>Pathology</td>
<td>3,414</td>
</tr>
<tr>
<td>Serology</td>
<td>60,725</td>
</tr>
<tr>
<td>Toxicology</td>
<td>3,539</td>
</tr>
</tbody>
</table>
Personnel

• Veterinary professionals (5.1 FTE)
  – Pathologists (2.85)
  – Toxicologist (0.55)
  – Microbiologist/diagnostician (0.95)
  – Epidemiologist (0.25)
  – Poultry diagnostician (0.20)
  – Virologist (0.30)

• Support staff: (8.0 FTE)
Personnel Funding (FTE) by Source

- Fee for Service: 5.2 FTE
- UDAF: 3.85 FTE
- UAES: 1.56 FTE
- NAHLN: 1.0 FTE
- E&G: 0.66 FTE
- SVM: 0.63 FTE
- Extension: 0.2 FTE
UVDL Funding, 2015-2019

![Graph showing UVDL funding from 2015 to 2019, with data points indicating fluctuations in funding amounts over the years.]
Operating costs, 2015-2019

<table>
<thead>
<tr>
<th>Expenditure</th>
<th>Amount ($1000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel</td>
<td>$1,472</td>
</tr>
<tr>
<td>Facilities O&amp;M</td>
<td>$317</td>
</tr>
<tr>
<td>Equipment</td>
<td>$249</td>
</tr>
<tr>
<td>Equipment maintenance</td>
<td>$72</td>
</tr>
<tr>
<td>Operating</td>
<td>$236</td>
</tr>
<tr>
<td>Laboratory supplies</td>
<td>$372</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,718</strong></td>
</tr>
</tbody>
</table>

Operating costs, 2015-2019
## The widening gap

<table>
<thead>
<tr>
<th>Year</th>
<th>Public support ($1000)</th>
<th>Fees-for-service ($1000)</th>
<th>Expenditures ($1000)</th>
<th>Balance ($1000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>$1,248</td>
<td>$898</td>
<td>$2,250</td>
<td>($104)</td>
</tr>
<tr>
<td>2016</td>
<td>$1,309</td>
<td>$1,020</td>
<td>$2,261</td>
<td>$68</td>
</tr>
<tr>
<td>2017</td>
<td>$1,271</td>
<td>$998</td>
<td>$2,430</td>
<td>($161)</td>
</tr>
<tr>
<td>2018</td>
<td>$1,262</td>
<td>$1,261</td>
<td>$2,527</td>
<td>($4)</td>
</tr>
<tr>
<td>2019</td>
<td>$1,258</td>
<td>$1,156</td>
<td>$2,718</td>
<td>($304)</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>($505)</strong></td>
</tr>
</tbody>
</table>

- NAHLN funding (grant) & reserve funds from fee-for-service testing partially offset losses.
- End FY 2020 in debt. Current deficit ($121,000)
Consequences

• Increased user fees
  – Fees meet or exceed those of other labs
  – Higher costs to animal owners & veterinarians

• Outsourcing of laboratory assays
  – Higher costs
  – Longer turnaround times

• Two lost positions
  – Chemist position closed already
  – Pathologist position closes June 2020

• No new assays or technologies
Questions?