

**PROGRAM DESCRIPTION**

**Health and Senior Services** **HB Section(s):** 10.755, 10.765

**State Public Health Lab**

**Program is found in the following core budget(s):**

	SPHL	Office of Emergency Coordination						TOTAL
<b>GR</b>	2,670,209	0						2,670,209
<b>FEDERAL</b>	3,545,474	2,554,712						6,100,186
<b>OTHER</b>	7,770,137	0						7,770,137
<b>TOTAL</b>	13,985,820	2,554,712						16,540,532

**1a. What strategic priority does this program address?**

To protect health and keep the people of Missouri safe.

**1b. What does this program do?**

The State Health Lab provides testing services for various diseases, pathogens, viruses, and chemicals within humans and natural resources, such as water, and animals.

SPHL Operations	Testing Capacities	Newborn Screening	Breath Alcohol
<ul style="list-style-type: none"> <li>• Provides laboratory support in the diagnosis and investigation of disease and hazards that threaten public health.</li> <li>• Maintains fully operational BSL-3 laboratory.</li> <li>• Sample analysis and microbiologic identification.</li> <li>• Assists in disease control and surveillance.</li> <li>• Reference and specialized testing.</li> <li>• Food safety.</li> <li>• Emergency terrorism response.</li> </ul>	<ul style="list-style-type: none"> <li>• Tuberculosis</li> <li>• Rabies</li> <li>• Botulism toxin</li> <li>• Anthrax</li> <li>• West Nile Virus</li> <li>• Plague</li> <li>• Zika</li> <li>• Avian Flu</li> <li>• Pandemic Influenza</li> <li>• MERS-CoV</li> <li>• Ebola</li> <li>• Sexually transmitted diseases</li> <li>• Pathogenic bacteria</li> <li>• Various chemical contaminants</li> <li>• <i>Legionella pneumophila</i></li> <li>• SARS-CoV-2 (COVID-19)</li> </ul>	<ul style="list-style-type: none"> <li>• Missouri is currently screening for 33 (of 34) recommended core conditions (including hearing and critical congenital heart defects screening)</li> <li>• 72 disorders and secondary conditions include the following categories:                             <ul style="list-style-type: none"> <li>o Primary Congenital Hypothyroidism</li> <li>o Congenital Adrenal Hyperplasia</li> <li>o Hemoglobinopathy</li> <li>o Biotinidase Deficiency</li> <li>o Galactosemia</li> <li>o Fatty Acid Disorders</li> <li>o Organic Acid Disorders</li> <li>o Amino Acid Disorders</li> <li>o Cystic Fibrosis</li> <li>o Lysosomal Storage Disorders</li> <li>o Severe Combined-Immunodeficiency (SCID)</li> <li>o Spinal Muscular Atrophy (SMA)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Approves, disapproves, and issues permits to law enforcement agencies in Missouri for chemical analysis of blood, breath, urine, or saliva for alcohol and drugs.</li> <li>• Approves evidential breath analyzers and establishes standards and methods for instrument operations, inspections, quality control, training, and approval of training to assure standards meet state regulations.</li> </ul>

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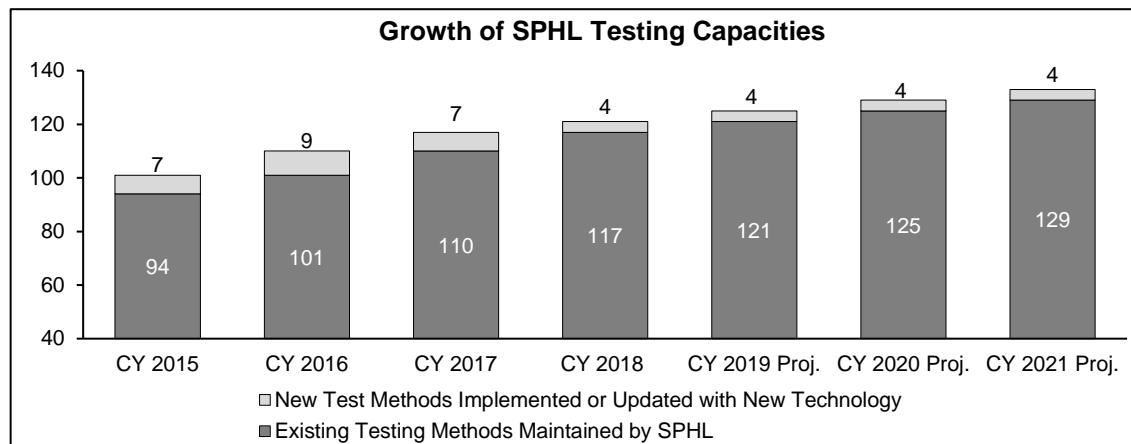
**Health and Senior Services**

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**State Public Health Lab**

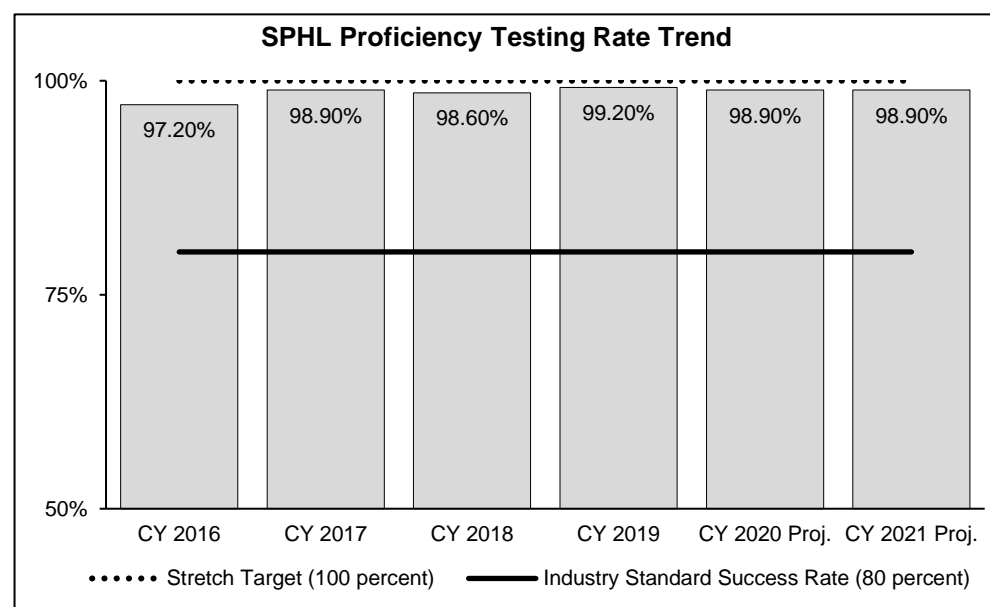
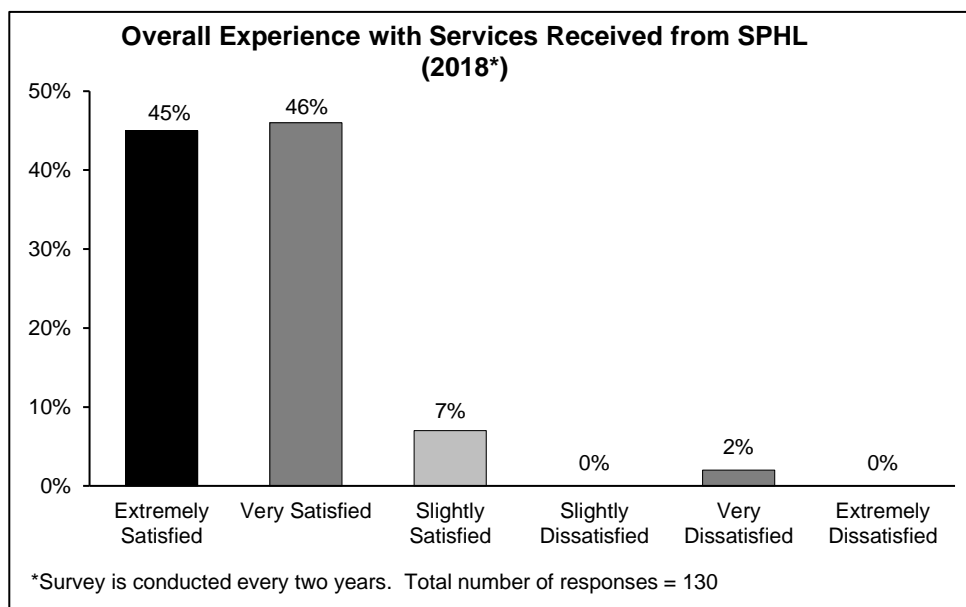
**Program is found in the following core budget(s):**

**2a. Provide an activity measure(s) for the program.**



The State Public Health Lab (SPHL) provides a variety of testing to Missourians and its visitors and is routinely implementing state of the art technology to provide more efficient and accurate testing. Tests implemented include new and emerging diseases, such as SARS-CoV-2 (COVID-19), Ebola, MERS-CoV, Zika, and antibiotic resistant bacteria, as well as expanding Newborn Screening disorder testing and providing a vast array of chemical and biological terrorism preparedness methods. SPHL is constantly working towards having the most current and advanced technologies to provide expanding services to meet the needs of its customers.

**2b. Provide a measure(s) of the program's quality.**



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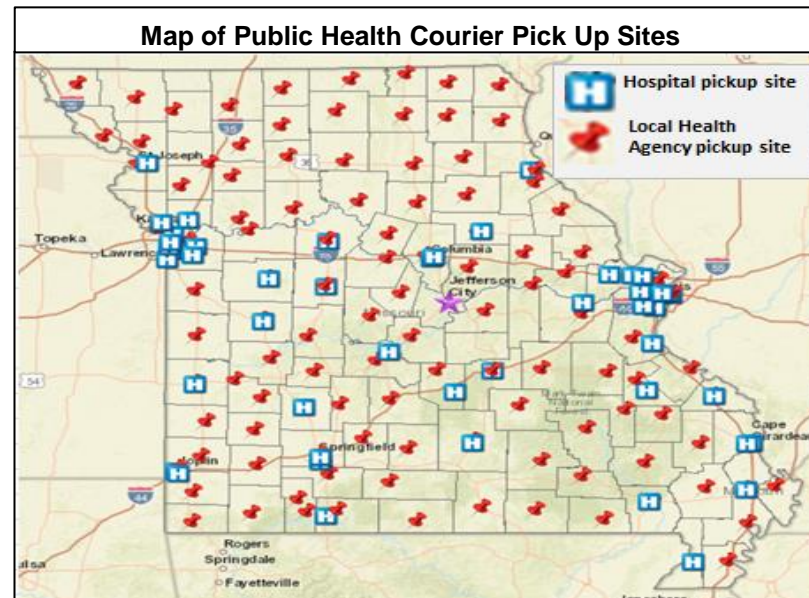
**State Public Health Lab**

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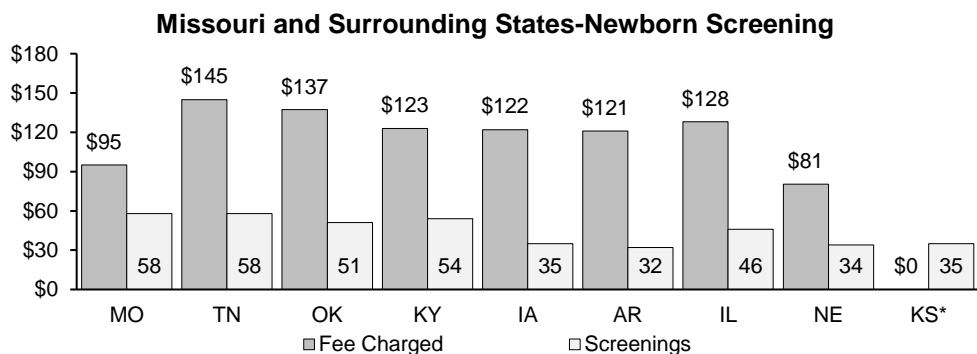
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**2c. Provide a measure(s) of the program's impact.**

FY 2020 Laboratory Services Provided to All Missouri Citizens and Visitors	
Analyses performed	>7,000,000
Total Specimens/Samples tested (approx.)	226,335
<b>Sample Type Examples:</b>	
Human Clinical	108,980
Newborn Screening	95,844
Drinking Water (6M+ Missourians and 42M+ visitors)	66,284
SARS CoV-2 (COVID-19)	7,735
Rabies	2,072
Food	1,424
Soil/Paint	105
Test kits distributed	293,303
Total breath alcohol permits issued (Types I, II, and III)	3,079
Regional Hospital Laboratory Training Sessions	5
Hospital Laboratories Participating in Training	28
Hospital Laboratory Professionals Trained	53



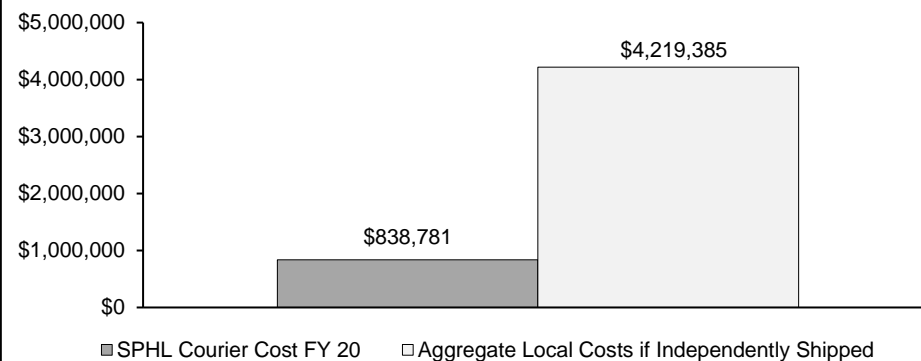
**2d. Provide a measure(s) of the program's efficiency.**



Source: <https://www.newsteps.org/data-visualizations>

\*Kansas funds Newborn Screening with the Maternal Child and Family Health Block Grant.

**Statewide Overnight Courier vs. Commercial Overnight Shipping**



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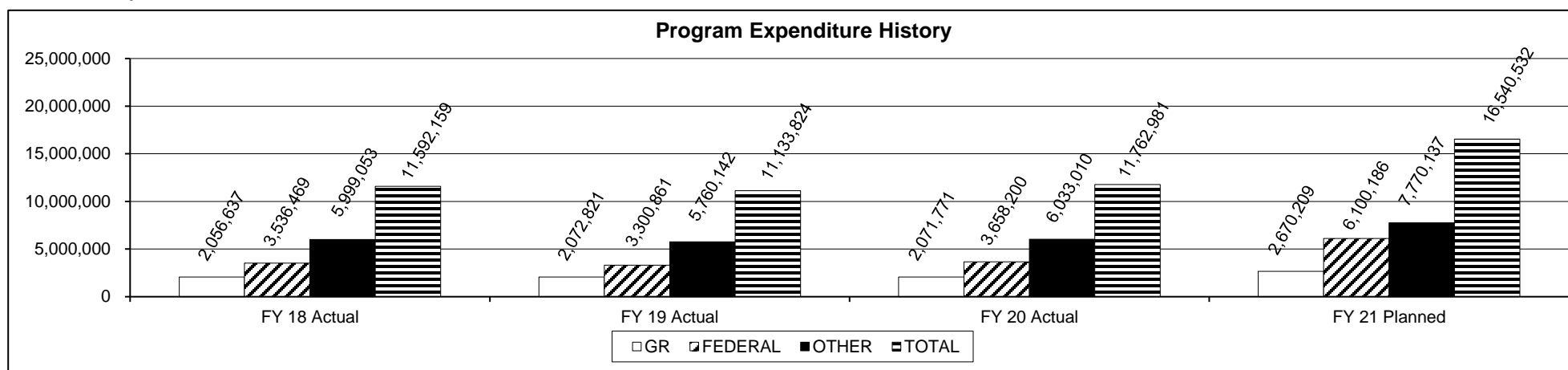
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**3. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year. (Note: Amounts do not include fringe benefit costs.)**



**4. What are the sources of the "Other" funds?**

Federal funds consist of Department of Health and Senior Services Federal (0143) and Department of Health and Senior Services Federal Stimulus (2350). Other funds consist of Missouri Public Health Services (0298), Safe Drinking Water (0679), and Childhood Lead Testing (0899).

**5. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)**

Chapter 196, RSMo; Sections 191.331-333, 191.653, 192.020, 192.050, 577.020, 577.037, 640.100-140, and 701.322, RSMo; Code of State Regulations 10 CSR 60-1.010, 19 CSR 20-20.080, 19 CSR 25-32.010, 19 CSR 25-34.010; and Clinical Laboratory Improvement Amendment (CLIA) Federal: 42 USC 263a.

**6. Are there federal matching requirements? If yes, please explain.**

Missouri Public Health Services Fund (0298) will provide match for newborn screening for the MCH Block Grant of \$4.5 million and the Safe Drinking Water Fund (0679) will provide match for the Public Health Emergency Preparedness Grant of \$125,000 in FY 2021.

**7. Is this a federally mandated program? If yes, please explain.**

No. However, in testing clinical human specimens, SPHL is regulated under the Clinical Laboratory Improvement Amendments (CLIA) - Federal - 42 USC 263a. The CLIA establishes quality standards for all laboratory testing to ensure the accuracy, reliability, and timeliness of patient test results regardless of where the test was performed.