Lausus Library began its anatomical model collection in the late 1980s with one model of the fetus. In intervening years, the collection has grown to 236 models ranging from single organs to entire bodies. As of September 1, 2019, the circulation count for the models was 18,082. During the 2018-2019 academic year, we observed that several of the models had become too damaged to continue circulating and we evaluated whether to replace them or slowly discontinue the service. Based on circulation numbers, as well as anecdotal evidence such as the results of an informal survey of model requests from students, we chose to replace the damaged models and expand the collection further.

A survey was sent to all 20 academic health science libraries in the Mid-Atlantic Chapter region to determine anatomical model ownership and use. Of the 18 respondents, 11, owned or housed anatomical models. The average number of models provided by libraries was 31 with a minimum of 1 and a maximum of 133. If Lausus Library is included, the average jumps to 40 and the maximum becomes 236. Based on this response, we are confident in stating that Lausus Library has the largest anatomical model collection among all academic health science libraries in the MAC region.

### Model Collection Growth, 1987-2019

![Model Collection Growth, 1987-2019](chart.png)

### Model Usage by Patron Type

![Model Usage by Patron Type](chart.png)

### Model Usage, 2011-August 2019

![Model Usage, 2011-August 2019](chart.png)

### Model Usage By Degree Program

![Model Usage By Degree Program](chart.png)

### Gross Anatomy: Are Anatomical Models Worth the Investment?

G.J. Corey Harmon and Mary Roby

**Yes, they are for us!**

- 91% of students surveyed agreed that using the anatomical models had a positive impact on their learning.
- Feedback from Student User Surveys:
  - "They are awesome! They make it easier to learn."
  - "The lab manual doesn't give as good of a reference for the models we use in class, so these models help me study every week."
- **Collection Stats:**
  - Size: 236
  - Total Circulation 2011-August 2019: 18,082
  - Overall Cost Per Use: $9.94

The library has access to several e-anatomy resources:
- Academy of Human Anatomy
- Anatomy Atlas
- Anatomy.tv (aka Primal Pictures)
- e-Anatomy: Interactive Anatomy Portfolio
- Human Anatomy Online
- Visible Body
- 3D Organ VR Anatomy – in our new VR lab
- Sharecare VR – in our new VR lab

Patrons can also use our 65" Idem Touch Table to access Visible Body and Anatomy.tv in the library.

Anatomy.tv and e-Anatomy had 5046 sessions/logins since 2015 but these numbers do not accurately reflect the actual usage.
Laupus Library began its anatomical model collection in the late 1980s with one model of the fetus. In intervening years, the collection has grown to 236 models ranging from single organs to entire bodies. As of September 1, 2019, the circulation count for the models was 18,082. During the 2018-2019 academic year, we observed that several of the models had become too damaged to continue circulating and we evaluated whether to replace them or slowly discontinue the service. Based on circulation numbers, as well as anecdotal evidence such as the results of an informal survey of model requests from students, we chose to replace the damaged models and expand the collection further.

A survey was sent to all 20 academic health science libraries in the Mid-Atlantic Chapter region to determine anatomical model ownership and use. Of the 16 respondents, 11 owned or housed anatomical models. The average number of models provided by libraries was 31 with a minimum of 1 and a maximum of 133. If Laupus Library is included, the average jumps to 48 and the maximum becomes 236. Based on this response, we are confident in stating that Laupus Library has the largest anatomical model collection among all academic health science libraries in the MAC region.

The library has access to several e-anatomy resources:

- Acland's Video Atlas of Human Anatomy
- Anatomy Atlases
- Anatomy.tv (aka Primal Pictures)
- e-Anatomy: Interactive Anatomy Atlas
- Human Anatomy Online
- Visible Body
- 3D Organon VR Anatomy – in our new VR lab
- Sharecare VR – in our new VR lab

Patrons can also use our 65” Ideum Touch Table to access Visible Body and Anatomy.tv in the library.

Anatomy.tv and e-Anatomy had 5046 sessions/logins since 2015 but these numbers do not accurately reflect the actual usage.

<table>
<thead>
<tr>
<th>Top 5 Most Circulated Models</th>
<th>Date Added</th>
<th>Uses</th>
<th>Cost Per Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disarticulated half-skeleton.</td>
<td>11/8/2006</td>
<td>498</td>
<td>$1.50</td>
</tr>
<tr>
<td>Muscular leg.</td>
<td>4/27/1994</td>
<td>476</td>
<td>$1.25</td>
</tr>
<tr>
<td>Six-part muscular anatomy of the arm and shoulder</td>
<td>6/12/2007</td>
<td>407</td>
<td>$1.16</td>
</tr>
<tr>
<td>Premier skull.</td>
<td>5/9/2005</td>
<td>400</td>
<td>$0.62</td>
</tr>
<tr>
<td>Ear model, 3 times life size, 6 part.</td>
<td>6/4/2004</td>
<td>378</td>
<td>$0.36</td>
</tr>
<tr>
<td>Model Focus</td>
<td># of Models</td>
<td>Circulation</td>
<td>Cost Per Use</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------</td>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Ear</td>
<td>5</td>
<td>470</td>
<td>$2.89</td>
</tr>
<tr>
<td>Heart</td>
<td>13</td>
<td>736</td>
<td>$6.21</td>
</tr>
<tr>
<td>Arm</td>
<td>10</td>
<td>1581</td>
<td>$4.00</td>
</tr>
<tr>
<td>Leg</td>
<td>8</td>
<td>1113</td>
<td>$7.42</td>
</tr>
<tr>
<td>Eye</td>
<td>7</td>
<td>785</td>
<td>$3.26</td>
</tr>
<tr>
<td>Skull</td>
<td>16</td>
<td>2035</td>
<td>$2.21</td>
</tr>
<tr>
<td>Skeleton</td>
<td>16</td>
<td>1855</td>
<td>$6.23</td>
</tr>
<tr>
<td>Lung</td>
<td>6</td>
<td>356</td>
<td>$9.81</td>
</tr>
<tr>
<td>Foot</td>
<td>4</td>
<td>238</td>
<td>$4.08</td>
</tr>
<tr>
<td>Hand</td>
<td>4</td>
<td>126</td>
<td>$8.48</td>
</tr>
<tr>
<td>Torso</td>
<td>8</td>
<td>284</td>
<td>$66.40</td>
</tr>
<tr>
<td>Life-Size Full Body</td>
<td>17</td>
<td>1888</td>
<td>$38.78</td>
</tr>
<tr>
<td>Brain</td>
<td>10</td>
<td>787</td>
<td>$5.07</td>
</tr>
<tr>
<td>Spine/Vertebrae</td>
<td>9</td>
<td>529</td>
<td>$4.26</td>
</tr>
<tr>
<td>Dental/Teeth</td>
<td>11</td>
<td>141</td>
<td>$31.00</td>
</tr>
</tbody>
</table>

These focus areas account for only 144 models, or 61% of the library’s model collection with a Overall Cost Per Use of $11.40

![Model Collection Growth, 1987-2019](image)
Model Usage By Degree Program

MAC Region Academic HSL Model Collection Sizes

- University of Virginia Health System, Claude Moore Health Sciences Library: 1
- Virginia Tech Carilion, School of Medicine, Library: 2
- Eastern Virginia Medical School, Edward E. Brickell Medical Sciences Library: 12
- West Virginia University, Robert C. Byrd Health Sciences Center, Health Sciences Library: 20
- University of North Carolina at Chapel Hill, Health Sciences Library: 22
- Howard University, Louis Stokes Health Sciences Library & Learning Resources Ctr: 22
- Georgetown University Medical Center, Dagh gren Memorial Library: 27
- Virginia Commonwealth University, Tompkins-McCaw Library for the Health Sciences: 30
- George Washington University, Himmelfarb Health Sciences Library: 30
- Wake Forest University, School of Medicine, C. C. Carpenter Library: 40
- Liberty University College of Osteopathic Medicine, Medical Library: 133
- East Carolina University, William E. Layus Health Sciences Library: 206
References


