Bariatric Surgery: Prevalence and Treatment

Samer G. Mattar, MD, FACS, FASMBS, ABOM
Medical Director
Swedish Weight Loss Services
President, American Society for Metabolic and Bariatric Surgery
Disclosures

• Gore: Honorarium
ASMBS

• The largest national society for this specialty.

• Founded 1983

• Nearly 4,000 members including general surgeons and integrated healthcare professionals practicing in the field of metabolic and bariatric surgery.
The **vision** of the Society is to *improve public health and wellbeing* by lessening the burden of the disease of metabolic dysfunction and obesity throughout the world.
The purpose of the society is to advance the art and science of metabolic and bariatric surgery by *continuously improving the quality and safety of care* and treatment of people with obesity and related disease.
Prevalence of Self-Reported Obesity Among U.S. Adults by State and Territory, BRFSS, 2016

*Prevalence estimates reflect BRFSS methodological changes started in 2011. These estimates should not be compared to prevalence estimates before 2011.*

*Sample size <50 or the relative standard error (dividing the standard error by the prevalence) ≥ 30%.*
Prevalence\(^{\dagger}\) of Self-Reported Obesity Among U.S. Adults by State and Territory, BRFSS, 2016

Summary

- No state had a prevalence of obesity less than 20%.
- 3 states and the District of Columbia had a prevalence of obesity between 20% and <25%.
- 22 states and Guam had a prevalence of obesity between 25% and <30%.
- 20 states, Puerto Rico, and Virgin Islands had a prevalence of obesity between 30% and <35%.
- 5 states (Alabama, Arkansas, Louisiana, Mississippi, and West Virginia) had a prevalence of obesity of 35% or greater.

\(^{\dagger}\)Prevalence estimates reflect BRFSS methodological changes started in 2011. These estimates should not be compared to prevalence estimates before 2011.

http://www.cdc.gov/obesity/data/prevalence-maps.html
US Population Clock

• The United States population on **September 5th, 2018** was: **328,515,980**

• Severe obesity rate in US = 6%
• Calculated number of severely obese people in US = **19,710,958**

• Obesity rate in US = 36%
• Calculated number of obese people in US = **118,265,752**

[https://www.census.gov/popclock/](https://www.census.gov/popclock/)
Effect of Treatment on Obesity

Lifestyle Intervention = 3%

Medications = 1%

Surgery = 1%

Unmet = 95%
## Current volume of cases

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>158,000</td>
<td>173,000</td>
<td>179,000</td>
<td>193,000</td>
<td>196,000</td>
<td>216,000</td>
<td>228,000</td>
</tr>
<tr>
<td>Sleeve</td>
<td>17.80%</td>
<td>33.00%</td>
<td>42.10%</td>
<td>51.70%</td>
<td>53.61%</td>
<td>58.11%</td>
<td>59.39%</td>
</tr>
<tr>
<td>RYGB</td>
<td>36.70%</td>
<td>37.50%</td>
<td>34.20%</td>
<td>26.80%</td>
<td>23.02%</td>
<td>18.69%</td>
<td>17.80%</td>
</tr>
<tr>
<td>Band</td>
<td>35.40%</td>
<td>20.20%</td>
<td>14.00%</td>
<td>9.50%</td>
<td>5.68%</td>
<td>3.39%</td>
<td>2.77%</td>
</tr>
<tr>
<td>BPD-DS</td>
<td>0.90%</td>
<td>1.00%</td>
<td>1.00%</td>
<td>0.40%</td>
<td>0.60%</td>
<td>0.57%</td>
<td>0.70%</td>
</tr>
<tr>
<td>Revision</td>
<td>6.00%</td>
<td>6.00%</td>
<td>6.00%</td>
<td>11.50%</td>
<td>13.55%</td>
<td>13.95%</td>
<td>14.14%</td>
</tr>
<tr>
<td>Other</td>
<td>3.20%</td>
<td>2.30%</td>
<td>2.70%</td>
<td>0.10%</td>
<td>3.19%</td>
<td>2.63%</td>
<td>2.46%</td>
</tr>
<tr>
<td>Balloons</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>0.36%</td>
<td>2.66%</td>
<td>2.75%</td>
</tr>
</tbody>
</table>

[https://asmbs.org/resources/estimate-of-bariatric-surgery-numbers](https://asmbs.org/resources/estimate-of-bariatric-surgery-numbers)
## Metabolic and Bariatric Surgery Procedure Trends: 2011 - 2017

<table>
<thead>
<tr>
<th>% change 2017 from 2016</th>
<th>Sleeve</th>
<th>RYGB</th>
<th>Band</th>
<th>BPD/DS</th>
<th>Revision</th>
<th>Other</th>
<th>Balloons</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.05%</td>
<td>0.64%</td>
<td>-13.57%</td>
<td>28.48%</td>
<td>7.18%</td>
<td>-1.04%</td>
<td>9.33%</td>
<td>5.72%</td>
<td></td>
</tr>
<tr>
<td>% change 2017 from 2015</td>
<td>28.41%</td>
<td>-10.39%</td>
<td>-43.45%</td>
<td>35.03%</td>
<td>20.94%</td>
<td>-10.62%</td>
<td>797.14%</td>
<td>15.92%</td>
</tr>
<tr>
<td>% change 2017 from 2011</td>
<td>381%</td>
<td>-30.03%</td>
<td>-88.70%</td>
<td>11.67%</td>
<td>240.06%</td>
<td>10.88%</td>
<td>44.31%</td>
<td></td>
</tr>
</tbody>
</table>
Economic and Legislative Impact by States: There are 2 Americas

- Top and Bottom 5 ranking states
- States highest in obesity prevalence have low economic ranking and low penetrance and 4 of the 5 states did not have BS as EHB.
- The opposite is true for lowest obesity ranking states.

<table>
<thead>
<tr>
<th>Obesity Rank</th>
<th>State</th>
<th>Econ Rank</th>
<th>ACA EHB</th>
<th>Surgery Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WV</td>
<td>49</td>
<td>Yes</td>
<td>25</td>
</tr>
<tr>
<td>2</td>
<td>MS</td>
<td>48</td>
<td>No</td>
<td>45</td>
</tr>
<tr>
<td>3</td>
<td>AL</td>
<td>38</td>
<td>No</td>
<td>22</td>
</tr>
<tr>
<td>4</td>
<td>AR</td>
<td>40</td>
<td>No</td>
<td>35</td>
</tr>
<tr>
<td>5</td>
<td>LA</td>
<td>44</td>
<td>No</td>
<td>36</td>
</tr>
<tr>
<td>46</td>
<td>UT</td>
<td>2</td>
<td>No</td>
<td>12</td>
</tr>
<tr>
<td>47</td>
<td>CA</td>
<td>4</td>
<td>Yes</td>
<td>30</td>
</tr>
<tr>
<td>48</td>
<td>HI</td>
<td>23</td>
<td>Yes</td>
<td>41</td>
</tr>
<tr>
<td>49</td>
<td>MA</td>
<td>9</td>
<td>Yes</td>
<td>5</td>
</tr>
<tr>
<td>50</td>
<td>CO</td>
<td>1</td>
<td>Yes</td>
<td>24</td>
</tr>
</tbody>
</table>
# 2017 Numbers by State
## Ranked by Volume

<table>
<thead>
<tr>
<th>State</th>
<th>Total Sites</th>
<th>Total Cases</th>
<th>LSG</th>
<th>LRYG</th>
<th>B</th>
<th>Revision/Conversion</th>
<th>Band Removal</th>
<th>LAGB</th>
<th>S</th>
<th>BPDD</th>
<th>Balloon</th>
<th>ORYGB</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>TX</td>
<td>83</td>
<td>20139</td>
<td>12755</td>
<td>2412</td>
<td>2958</td>
<td>1032</td>
<td>96</td>
<td>320</td>
<td>243</td>
<td>12</td>
<td>311</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NY</td>
<td>69</td>
<td>19628</td>
<td>11831</td>
<td>3925</td>
<td>2283</td>
<td>898</td>
<td>232</td>
<td>66</td>
<td>71</td>
<td>9</td>
<td>313</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CA</td>
<td>68</td>
<td>17193</td>
<td>9413</td>
<td>4026</td>
<td>1879</td>
<td>783</td>
<td>46</td>
<td>235</td>
<td>66</td>
<td>75</td>
<td>670</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL</td>
<td>48</td>
<td>10077</td>
<td>6141</td>
<td>1748</td>
<td>1100</td>
<td>578</td>
<td>68</td>
<td>110</td>
<td>110</td>
<td>27</td>
<td>195</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NJ</td>
<td>28</td>
<td>9769</td>
<td>7397</td>
<td>343</td>
<td>1134</td>
<td>720</td>
<td>64</td>
<td>44</td>
<td>2</td>
<td>2</td>
<td>63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OH</td>
<td>29</td>
<td>7356</td>
<td>3861</td>
<td>2258</td>
<td>721</td>
<td>219</td>
<td>20</td>
<td>138</td>
<td>15</td>
<td>124</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MI</td>
<td>31</td>
<td>6964</td>
<td>5050</td>
<td>835</td>
<td>641</td>
<td>223</td>
<td>12</td>
<td>34</td>
<td>45</td>
<td>10</td>
<td>114</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NC</td>
<td>23</td>
<td>6512</td>
<td>3113</td>
<td>1635</td>
<td>674</td>
<td>304</td>
<td>6</td>
<td>24</td>
<td>19</td>
<td>0</td>
<td>737</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MA</td>
<td>31</td>
<td>6268</td>
<td>4061</td>
<td>1172</td>
<td>651</td>
<td>293</td>
<td>15</td>
<td>6</td>
<td>26</td>
<td>0</td>
<td>44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IL</td>
<td>29</td>
<td>5176</td>
<td>2648</td>
<td>1065</td>
<td>638</td>
<td>327</td>
<td>232</td>
<td>30</td>
<td>58</td>
<td>3</td>
<td>175</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TN</td>
<td>17</td>
<td>4474</td>
<td>2383</td>
<td>1338</td>
<td>324</td>
<td>194</td>
<td>13</td>
<td>1</td>
<td>71</td>
<td>1</td>
<td>149</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MO</td>
<td>16</td>
<td>4436</td>
<td>2340</td>
<td>993</td>
<td>603</td>
<td>229</td>
<td>34</td>
<td>28</td>
<td>90</td>
<td>16</td>
<td>103</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GA</td>
<td>21</td>
<td>4349</td>
<td>2700</td>
<td>818</td>
<td>401</td>
<td>115</td>
<td>160</td>
<td>41</td>
<td>50</td>
<td>9</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VA</td>
<td>21</td>
<td>4326</td>
<td>2069</td>
<td>1347</td>
<td>517</td>
<td>225</td>
<td>7</td>
<td>40</td>
<td>46</td>
<td>29</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MD</td>
<td>14</td>
<td>4122</td>
<td>2800</td>
<td>715</td>
<td>412</td>
<td>144</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td>33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WA</td>
<td>13</td>
<td>3887</td>
<td>1885</td>
<td>1100</td>
<td>478</td>
<td>267</td>
<td>8</td>
<td>47</td>
<td>47</td>
<td>4</td>
<td>51</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AZ</td>
<td>16</td>
<td>3757</td>
<td>2130</td>
<td>657</td>
<td>532</td>
<td>319</td>
<td>30</td>
<td>8</td>
<td>13</td>
<td>2</td>
<td>66</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AL</td>
<td>10</td>
<td>3617</td>
<td>2798</td>
<td>380</td>
<td>271</td>
<td>101</td>
<td>4</td>
<td>0</td>
<td>17</td>
<td>0</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KY</td>
<td>12</td>
<td>3493</td>
<td>2089</td>
<td>291</td>
<td>342</td>
<td>239</td>
<td>460</td>
<td>0</td>
<td>34</td>
<td>2</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CT</td>
<td>14</td>
<td>2935</td>
<td>1874</td>
<td>378</td>
<td>361</td>
<td>279</td>
<td>6</td>
<td>0</td>
<td>7</td>
<td>0</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IN</td>
<td>14</td>
<td>2875</td>
<td>1172</td>
<td>1014</td>
<td>327</td>
<td>106</td>
<td>141</td>
<td>19</td>
<td>11</td>
<td>12</td>
<td>73</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CO</td>
<td>13</td>
<td>2725</td>
<td>1417</td>
<td>755</td>
<td>287</td>
<td>151</td>
<td>6</td>
<td>21</td>
<td>21</td>
<td>1</td>
<td>66</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## 2017 Numbers by State
### Ranked by Volume Part 2

<table>
<thead>
<tr>
<th>State</th>
<th>Total Sites</th>
<th>Total Cases</th>
<th>LRYG</th>
<th>B</th>
<th>Revision/Conversion</th>
<th>Band</th>
<th>Removal LAGB</th>
<th>BPDD</th>
<th>S</th>
<th>Balloon</th>
<th>ORYGB</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>MN</td>
<td>19</td>
<td>2519</td>
<td>1139</td>
<td>675</td>
<td>347</td>
<td>96</td>
<td>2</td>
<td>23</td>
<td>66</td>
<td>4</td>
<td>167</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>10</td>
<td>2499</td>
<td>1192</td>
<td>837</td>
<td>205</td>
<td>85</td>
<td>16</td>
<td>16</td>
<td>73</td>
<td>1</td>
<td>74</td>
<td></td>
</tr>
<tr>
<td>KS</td>
<td>8</td>
<td>2376</td>
<td>1302</td>
<td>545</td>
<td>310</td>
<td>182</td>
<td>1</td>
<td>11</td>
<td>7</td>
<td>1</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>OK</td>
<td>5</td>
<td>2271</td>
<td>1543</td>
<td>439</td>
<td>152</td>
<td>64</td>
<td>29</td>
<td>9</td>
<td>9</td>
<td>0</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>IA</td>
<td>9</td>
<td>2044</td>
<td>1553</td>
<td>276</td>
<td>121</td>
<td>57</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>AR</td>
<td>6</td>
<td>1954</td>
<td>509</td>
<td>936</td>
<td>102</td>
<td>70</td>
<td>35</td>
<td>130</td>
<td>94</td>
<td>3</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>NV</td>
<td>5</td>
<td>1783</td>
<td>1481</td>
<td>28</td>
<td>148</td>
<td>118</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>10</td>
<td>1667</td>
<td>937</td>
<td>421</td>
<td>177</td>
<td>74</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td>18</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>MS</td>
<td>10</td>
<td>1527</td>
<td>1242</td>
<td>65</td>
<td>102</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>88</td>
<td></td>
</tr>
<tr>
<td>UT</td>
<td>6</td>
<td>1453</td>
<td>560</td>
<td>348</td>
<td>112</td>
<td>26</td>
<td>1</td>
<td>139</td>
<td>0</td>
<td>0</td>
<td>267</td>
<td></td>
</tr>
<tr>
<td>WV</td>
<td>4</td>
<td>1438</td>
<td>893</td>
<td>86</td>
<td>165</td>
<td>84</td>
<td>76</td>
<td>0</td>
<td>28</td>
<td>0</td>
<td>106</td>
<td></td>
</tr>
<tr>
<td>DE</td>
<td>5</td>
<td>1306</td>
<td>796</td>
<td>225</td>
<td>157</td>
<td>57</td>
<td>8</td>
<td>10</td>
<td>0</td>
<td>2</td>
<td>51</td>
<td></td>
</tr>
<tr>
<td>WI</td>
<td>13</td>
<td>1255</td>
<td>617</td>
<td>411</td>
<td>110</td>
<td>30</td>
<td>7</td>
<td>0</td>
<td>29</td>
<td>0</td>
<td>51</td>
<td></td>
</tr>
<tr>
<td>ME</td>
<td>5</td>
<td>857</td>
<td>492</td>
<td>246</td>
<td>46</td>
<td>43</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>13</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>NM</td>
<td>4</td>
<td>853</td>
<td>636</td>
<td>133</td>
<td>53</td>
<td>20</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>RI</td>
<td>3</td>
<td>789</td>
<td>427</td>
<td>247</td>
<td>94</td>
<td>14</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>5</td>
<td>751</td>
<td>518</td>
<td>85</td>
<td>92</td>
<td>10</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>33</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>2</td>
<td>743</td>
<td>512</td>
<td>119</td>
<td>56</td>
<td>34</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>1</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>NH</td>
<td>5</td>
<td>721</td>
<td>332</td>
<td>300</td>
<td>63</td>
<td>23</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NE</td>
<td>4</td>
<td>683</td>
<td>375</td>
<td>158</td>
<td>77</td>
<td>16</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>2</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>ND</td>
<td>4</td>
<td>567</td>
<td>161</td>
<td>273</td>
<td>94</td>
<td>31</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HI</td>
<td>5</td>
<td>456</td>
<td>134</td>
<td>271</td>
<td>26</td>
<td>12</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>SD</td>
<td>2</td>
<td>448</td>
<td>162</td>
<td>179</td>
<td>47</td>
<td>46</td>
<td>2</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>1</td>
<td>272</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>272</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MT</td>
<td>2</td>
<td>194</td>
<td>67</td>
<td>83</td>
<td>18</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>12</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VT</td>
<td>1</td>
<td>147</td>
<td>124</td>
<td>2</td>
<td>14</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WY</td>
<td>1</td>
<td>140</td>
<td>75</td>
<td>45</td>
<td>14</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AK</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Top Ten States 2017

<table>
<thead>
<tr>
<th>State</th>
<th>Total Sites</th>
<th>Total Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>TX</td>
<td>83</td>
<td>20139</td>
</tr>
<tr>
<td>NY</td>
<td>69</td>
<td>19628</td>
</tr>
<tr>
<td>CA</td>
<td>68</td>
<td>17193</td>
</tr>
<tr>
<td>FL</td>
<td>48</td>
<td>10077</td>
</tr>
<tr>
<td>NJ</td>
<td>28</td>
<td>9769</td>
</tr>
<tr>
<td>PA</td>
<td>41</td>
<td>9748</td>
</tr>
<tr>
<td>OH</td>
<td>29</td>
<td>7356</td>
</tr>
<tr>
<td>MI</td>
<td>31</td>
<td>6964</td>
</tr>
<tr>
<td>NC</td>
<td>23</td>
<td>6512</td>
</tr>
<tr>
<td>MA</td>
<td>31</td>
<td>6268</td>
</tr>
</tbody>
</table>
Future Volume of Bariatric Surgery

- Additional 6-8% per year
- Still only 1-2% of eligible patients
- Continued growth in Sleeve Gastrectomy cases
- Continued improvement in quality outcomes
- Continued growth in endoscopic modalities
- Continued growth in revision cases
- *Continued shift to ambulatory cases*
- Potential fragmentation of care of bariatric patients
Review of MBSAQIP Current State & Associated Milestones
March 2012
Memorandum of Understanding between ACS and ASMBS to unify bariatric surgery accreditation programs

April 2012
The Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program is born on April 1st
Happy Birthday, MBSAQIP!

June 2012
Announced at ASMBS annual meeting as part of MBSAQIP

August 2012
All centers transition to MBSAQIP Data Registry

Fall 2012
Development of Standards begins

December 2012
Initiated First Public Comment Review of MBSAQIP Standards (1100 responses!)
The MBSAQIP Journey 2013

January 2013
Work begins on Application Portal (Development on Surveyor/Reviewer Portals begin)

April 2013
Development of MBSAQIP application, site visit, and reviewer process maps and workflows commence in conjunction with AVPI meetings

Spring-Summer 2013
Re-Write of Standards begins

August 2013
Completed Second Public Comment Review of MBSAQIP Standards (1200 responses!)

November 2013
Designated November as MBSAQIP Surveyor Recruitment (86 recruited, on-boarded 67)
January 2014
Released Resources for the Optimal Care of the Metabolic and Bariatric Surgery Patient

March 2014
Soft-launched Application Portal to 6 Pilot Sites

May 2014
Launched and completed online Surveyor training (+ HIPAA) in one month

June 2014
Opened Application Portal to Initial* and Renewing Centers

August 2014
Went live with new MBSAQIP website on facs.org domain

August 2014
Launched MBSAQIP Surveyor Portal

September 2014
Conducted our first site visit in Marquette, MI

November 2014
Host first ASK MBSAQIP

November 2014
Announced MBSAQIP Data Registry as ACS’s first Qualified Clinical Data Registry (QCDR) at Obesity Week in Boston, MA

December 2014
Invited 140 centers to participate in Decreasing Readmissions through Opportunities Provided (D.R.O.P.)

*171 NEW centers have applied to participate in MBSAQIP since June, 2014
January 2015
January 21st
St. Joseph’s in Syracuse, NY becomes the first MBSAQIP center to receive an official final report & accreditation under the new program.

February 2015
February 27th
Dr. Max Hammer completes our 100TH SITE VISIT at Integris Baptist Medical Center in Oklahoma City, OK

June 2015
June 26th
First in-person course for MBSCRs at Obesity Weekend

September 2015
1st Anniversary of MBSAQIP Site Visits
335 site visits conducted in first year

November 2015
First Obesity Week Course where accredited centers were featured and presented on how they meet MBSAQIP Standards.
Jan 2016
MBSAQIP continues designation as a QCDR for participation in PQRS

Feb/Mar 2016
Publishing Version 2 of MBSAQIP Standards

Jun/Jul 2016
New standards take effect – stay tuned for surveyor training on new standards

Summer 2016
Wrap up DROP Project and publish results

Fall 2016
MBSAQIP launches 2nd National Collaborative project – ENERGY
What’s Coming in 2017

Jan 2017
- First Participant Use Data File (PUF) released
- SAR data 7/1/15 thru 6/30/16

February 2017
- Bariatric Abstracts due 2/20/17 for ACS Q&S Conference

March 2017
- Surgeon consent due 3/1/17 to MBSAQIP to participate in QCDR – to avoid CMS penalties.
- Exhibiting @ SAGES 3/22-3/25

April 2017
- Option for International Centers to participate in Data Collection Only

May 2017
- Surgeon consent due 5/1/17 to MBSAQIP to participate in QCDR – to avoid CMS penalties.

June 2017
- Exhibiting @ SAGES 6/20-6/23

July 2017
- Official Kick-off for 2017 National Quality Project: ENERGY

Spring 2017
- Introducing a Bariatric Track aimed at MBSAQIP participants (MBS Directors, Coordinators, and MBSCRs) at the annual ACS Quality & Safety Conference (formerly NSQIP Conference) in New York, NY

March 2018
- MBSAQIP plans to migrate to a single data registry platform with other ACS Quality Programs (Cancer, Trauma, NSQIP, Peds, Surgeon Specific Reg, et al.)
MBSAQIP Staff Structure

DROPC Administrative Director
Sameera Ali

MBSAQIP Program Administrator
Teresa Fraker

Accreditation Services Manager
Amy Robinson-Gerace

MBSAQIP Data Registry Manager
Rasa Krapikas

Verification Specialist
Paul Jeffers

Sr. Program Coordinator
Tanya Kimber

Program Coordinators
Sarah Stuart
Kaynaat Syed
(1 FTE OPEN)

CQI Product Ops Senior Manager

MBSAQIP Senior Statistician
Kristopher Huffman

MBSAQIP Statistician
Arielle Grieco

CQI Statistics Manager
Mark Cohen

CQI IT Manager
Paul Willarson

Data Managers/Developers
7 FTEs Shared

Clinical Support Specialists
Lisa Hale
Jesus Diaz
Claudia Byrd

CQI Clinical Support Services Manager
(open position)

MBSAQIP®
METABOLIC AND BARIATRIC SURGERY
ACCREDITATION AND QUALITY IMPROVEMENT PROGRAM
MBSAQIP Surgeon Committee Structure

ACS Committee on Metabolic & Bariatric Surgery (CMBS)
Chair: John Morton, MD, FACS

Standards & Verification Subcommittee
Co-chair: David Provost, MD, FACS
Co-chair: Wayne English, MD, FACS

Data & Quality Subcommittee
Co-chair: Stacy Brethauer, MD, FACS
Co-chair: Anthony Petrick, MD, FACS
CURRENT ENROLLMENT

• There 828 participating MBSAQIP centers, of which 751 are fully accredited and 47 are initial applicants.

• The remaining 30 are Data Collection Centers that include international centers or other domestic centers that participate in the MBSAQIP Data Registry, but have not been verified against MBSAQIP Standards for Accreditation.

• From October 2014 through April 2017, 796 site visits have been completed under the MBSAQIP standards.

• In 2016, the program performed 291 site visits with 67 surgeon surveyors.
Opioid “Epidemic”

Overdose Deaths Involving Opioids, United States, 2000-2015

Center for Disease Control and Prevention, March 2017

*Heroin includes opium.
THE GOALS OF ENHANCED RECOVERY PATHWAY

Evidence-based multidisciplinary care pathway aimed at:

• Reducing complications and LOS
• Reducing variability
• Reducing cost
• Improving quality of care
• *Decrease opioid exposure and use*
• Increasing value
Summary

• Bariatric surgery volume will increase by 6-8% annual basis
• Neediest states will continue to have least penetration
• Economy, politics and raised awareness will play larger roles.
• Safety and quality outcomes will be valuable assets
• Accreditation is the jewel in our crown.
• Expecting an expansion of indications for metabolic surgery
• Emerging technology will play larger role (market)
• Focus on LTFU, VTE minimization and Opioid use limitation