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|  | **12 MONTH CHANGES FROM BASELINE** | | | | | | | |
|  | **Ambulatory status 1** | **Ambulatory status 2** | | **Estimation** | **P corrected** | | **CI 95% min** | **CI 95% max** |
| **TOTAL** | LOA <12 months | LOA <24 months | | -1.381 | 0.223 | | -2.534 | -0.227 |
| LOA <12 months | <250 mt | | -1.327 | 0.166 | | -2.375 | -0.279 |
| LOA <12 months | <350 mt | | -3.901 | **<.0001** | | -4.741 | -3.061 |
| LOA <12 months | LOA <5 years | | -2.276 | **<.0001** | | -3.153 | -1.400 |
| LOA <12 months | LOA > 5 years | | -3.271 | **<.0001** | | -4.111 | -2.430 |
| LOA <12 months | >350 mt | | -4.025 | **<.0001** | | -4.762 | -3.287 |
| LOA <24 months | <250 mt | | 0.053 | 1.000 | | -1.226 | 1.333 |
| LOA <24 months | <350 mt | | -2.521 | **0.000** | | -3.631 | -1.410 |
| LOA <24 months | LOA <5 years | | -0.896 | 0.716 | | -2.032 | 0.240 |
| LOA <24 months | LOA > 5 years | | -1.890 | **0.015** | | -3.000 | -0.780 |
| LOA <24 months | >350 mt | | -2.644 | **<.0001** | | -3.679 | -1.609 |
| <250 mt | <350 mt | | -2.574 | **<.0001** | | -3.575 | -1.572 |
| <250 mt | LOA <5 years | | -0.949 | 0.549 | | -1.984 | 0.086 |
| <250 mt | LOA > 5 years | | -1.943 | **0.003** | | -2.948 | -0.938 |
| <250 mt | >350 mt | | -2.697 | **<.0001** | | -3.615 | -1.780 |
| <350 mt | LOA <5 years | | 1.625 | **0.002** | | 0.805 | 2.445 |
| <350 mt | LOA > 5 years | | 0.631 | 0.687 | | -0.148 | 1.409 |
| <350 mt | >350 mt | | -0.123 | 1.000 | | -0.784 | 0.538 |
| LOA <5 years | LOA > 5 years | | -0.994 | 0.203 | | -1.810 | -0.179 |
| LOA <5 years | >350 mt | | -1.748 | **<.0001** | | -2.460 | -1.036 |
| LOA <5 years | >350 mt | | -0.754 | 0.277 | | -1.418 | -0.090 |
| **SHOULDER** | LOA <12 months | LOA <24 months | | -0.885 | 0.142 | | -1.564 | -0.206 |
| LOA <12 months | <250 mt | | -0.372 | 0.901 | | -0.989 | 0.246 |
| LOA <12 months | <350 mt | | -1.655 | **<.0001** | | -2.143 | -1.168 |
| LOA <12 months | LOA <5 years | | -1.421 | **<.0001** | | -1.933 | -0.909 |
| LOA <12 months | LOA > 5 years | | -1.836 | **<.0001** | | -2.317 | -1.355 |
| LOA <12 months | >350 mt | | -1.829 | **<.0001** | | -2.251 | -1.407 |
| LOA <24 months | <250 mt | | 0.513 | 0.831 | | -0.237 | 1.264 |
| LOA <24 months | <350 mt | | -0.770 | 0.235 | | -1.421 | -0.120 |
| LOA <24 months | LOA <5 years | | -0.536 | 0.703 | | -1.208 | 0.135 |
| LOA <24 months | LOA > 5 years | | -0.951 | 0.061 | | -1.597 | -0.305 |
| LOA <24 months | >350 mt | | -0.944 | **0.036** | | -1.547 | -0.340 |
| <250 mt | <350 mt | | -1.284 | **0.000** | | -1.870 | -0.697 |
| <250 mt | LOA <5 years | | -1.050 | **0.012** | | -1.653 | -0.446 |
| <250 mt | LOA > 5 years | | -1.464 | **<.0001** | | -2.042 | -0.886 |
| <250 mt | >350 mt | | -1.457 | **<.0001** | | -1.989 | -0.925 |
| <350 mt | LOA <5 years | | 0.234 | 0.960 | | -0.239 | 0.707 |
| <350 mt | LOA > 5 years | | -0.181 | 0.984 | | -0.623 | 0.261 |
| <350 mt | >350 mt | | -0.173 | 0.974 | | -0.555 | 0.208 |
| LOA <5 years | LOA > 5 years | | -0.415 | 0.593 | | -0.885 | 0.055 |
| LOA <5 years | >350 mt | | -0.408 | 0.436 | | -0.814 | -0.001 |
| LOA > 5 years | >350 mt | | 0.007 | 1.000 | | -0.364 | 0.379 |
| **ELBOW** | LOA <12 months | LOA <24 months | | -0.675 | 0.313 | | -1.285 | -0.065 |
| LOA <12 months | <250 mt | | -0.791 | 0.077 | | -1.345 | -0.236 |
| LOA <12 months | <350 mt | | -1.819 | **<.0001** | | -2.260 | -1.378 |
| LOA <12 months | LOA <5 years | | -0.952 | **0.001** | | -1.413 | -0.490 |
| LOA <12 months | LOA > 5 years | | -1.562 | **<.0001** | | -2.000 | -1.125 |
| LOA <12 months | >350 mt | | -1.977 | **<.0001** | | -2.361 | -1.593 |
| LOA <24 months | <250 mt | | -0.116 | 1.000 | | -0.791 | 0.559 |
| LOA <24 months | <350 mt | | -1.144 | **0.003** | | -1.730 | -0.559 |
| LOA <24 months | LOA <5 years | | -0.277 | 0.972 | | -0.879 | 0.325 |
| LOA <24 months | LOA > 5 years | | -0.887 | **0.046** | | -1.471 | -0.304 |
| LOA <24 months | >350 mt | | -1.302 | **<.0001** | | -1.846 | -0.758 |
| <250 mt | <350 mt | | -1.029 | **0.003** | | -1.557 | -0.501 |
| <250 mt | LOA <5 years | | -0.161 | 0.997 | | -0.706 | 0.383 |
| <250 mt | LOA > 5 years | | -0.772 | 0.061 | | -1.296 | -0.247 |
| <250 mt | >350 mt | | -1.186 | **<.0001** | | -1.668 | -0.705 |
| <350 mt | LOA <5 years | | 0.867 | **0.002** | | 0.438 | 1.296 |
| <350 mt | LOA > 5 years | | 0.257 | 0.873 | | -0.147 | 0.661 |
| <350 mt | >350 mt | | -0.158 | 0.973 | | -0.504 | 0.188 |
| LOA <5 years | LOA > 5 years | | -0.610 | 0.075 | | -1.036 | -0.184 |
| LOA <5 years | >350 mt | | -1.025 | **<.0001** | | -1.396 | -0.654 |
| LOA > 5 years | >350 mt | | -0.415 | 0.204 | | -0.756 | -0.073 |
| **DISTAL** | LOA <12 months | LOA <24 months | | 0.132 | 0.994 | | -0.250 | 0.513 |
| LOA <12 months | <250 mt | | -0.171 | 0.961 | | -0.517 | 0.176 |
| LOA <12 months | <350 mt | | -0.419 | **0.043** | | -0.693 | -0.146 |
| LOA <12 months | LOA <5 years | | 0.119 | 0.984 | | -0.168 | 0.406 |
| LOA <12 months | LOA > 5 years | | 0.048 | 1.000 | | -0.220 | 0.316 |
| LOA <12 months | >350 mt | | -0.281 | 0.224 | | -0.517 | -0.046 |
| LOA <24 months | <250 mt | | -0.302 | 0.797 | | -0.723 | 0.119 |
| LOA <24 months | <350 mt | | -0.551 | 0.050 | | -0.916 | -0.185 |
| LOA <24 months | LOA <5 years | | -0.013 | 1.000 | | -0.390 | 0.365 |
| LOA <24 months | LOA > 5 years | | -0.083 | 0.999 | | -0.445 | 0.279 |
| LOA <24 months | >350 mt | | -0.413 | 0.203 | | -0.751 | -0.074 |
| <250 mt | <350 mt | | -0.249 | 0.754 | | -0.578 | 0.080 |
| <250 mt | LOA <5 years | | 0.289 | 0.631 | | -0.049 | 0.628 |
| <250 mt | LOA > 5 years | | 0.219 | 0.836 | | -0.104 | 0.542 |
| <250 mt | >350 mt | | -0.111 | 0.991 | | -0.409 | 0.187 |
| <350 mt | LOA <5 years | | 0.538 | **0.002** | | 0.273 | 0.803 |
| <350 mt | LOA > 5 years | | 0.468 | **0.004** | | 0.221 | 0.714 |
| <350 mt | >350 mt | | 0.138 | 0.865 | | -0.075 | 0.351 |
| LOA <5 years | LOA > 5 years | | -0.070 | 0.998 | | -0.333 | 0.192 |
| LOA <5 years | >350 mt | | -0.400 | **0.011** | | -0.627 | -0.173 |
| LOA > 5 years | >350 mt | | -0.330 | **0.028** | | -0.536 | -0.124 |
|  | **24 MONTH CHANGES FROM BASELINE** | | | | | | | |
|  | **Ambulatory status 1** | | **Ambulatory status 2** | **Estimation** | **P corrected** | **CI 95% min** | | **CI 95% max** |
| **TOTAL** | LOA <12 months | | LOA <24 months | -2.886 | 0.010 | -4.513 | | -1.259 |
| LOA <12 months | | <250 mt | -1.372 | 0.526 | -2.842 | | 0.097 |
| LOA <12 months | | <350 mt | -5.946 | **<.0001** | -7.179 | | -4.712 |
| LOA <12 months | | LOA <5 years | -4.413 | **<.0001** | -5.677 | | -3.148 |
| LOA <12 months | | LOA > 5 years | -5.427 | **<.0001** | -6.728 | | -4.126 |
| LOA <12 months | | >350 mt | -6.598 | **<.0001** | -7.736 | | -5.460 |
| LOA <24 months | | <250 mt | 1.514 | 0.663 | -0.309 | | 3.336 |
| LOA <24 months | | <350 mt | -3.060 | **0.004** | -4.658 | | -1.462 |
| LOA <24 months | | LOA <5 years | -1.527 | 0.486 | -3.111 | | 0.057 |
| LOA <24 months | | LOA > 5 years | -2.541 | **0.036** | -4.168 | | -0.914 |
| LOA <24 months | | >350 mt | -3.712 | **<.0001** | -5.230 | | -2.195 |
| <250 mt | | <350 mt | -4.574 | **<.0001** | -5.997 | | -3.150 |
| <250 mt | | LOA <5 years | -3.041 | 0.001 | -4.537 | | -1.545 |
| <250 mt | | LOA > 5 years | -4.055 | **<.0001** | -5.574 | | -2.536 |
| <250 mt | | >350 mt | -5.226 | **<.0001** | -6.569 | | -3.883 |
| <350 mt | | LOA <5 years | 1.533 | **0.185** | 0.298 | | 2.768 |
| <350 mt | | LOA > 5 years | 0.519 | 0.982 | -0.716 | | 1.753 |
| <350 mt | | >350 mt | -0.653 | 0.853 | -1.639 | | 0.334 |
| LOA <5 years | | LOA > 5 years | -1.014 | 0.669 | -2.244 | | 0.215 |
| LOA <5 years | | >350 mt | -2.186 | **0.002** | -3.299 | | -1.072 |
| LOA > 5 years | | >350 mt | -1.171 | 0.358 | -2.271 | | -0.071 |
| **SHOULDER** | LOA <12 months | | LOA <24 months | -1.812 | **0.002** | -2.724 | | -0.899 |
| LOA <12 months | | <250 mt | 0.139 | 1.000 | -0.685 | | 0.963 |
| LOA <12 months | | <350 mt | -2.604 | **<.0001** | -3.295 | | -1.913 |
| LOA <12 months | | LOA <5 years | -3.123 | **<.0001** | -3.832 | | -2.414 |
| LOA <12 months | | LOA > 5 years | -3.476 | **<.0001** | -4.205 | | -2.748 |
| LOA <12 months | | >350 mt | -3.004 | **<.0001** | -3.642 | | -2.367 |
| LOA <24 months | | <250 mt | 1.951 | **0.004** | 0.929 | | 2.973 |
| LOA <24 months | | <350 mt | -0.792 | 0.593 | -1.688 | | 0.104 |
| LOA <24 months | | LOA <5 years | -1.311 | 0.059 | -2.200 | | -0.423 |
| LOA <24 months | | LOA > 5 years | -1.665 | **0.007** | -2.577 | | -0.752 |
| LOA <24 months | | >350 mt | -1.192 | 0.088 | -2.043 | | -0.342 |
| <250 mt | | <350 mt | -2.743 | **<.0001** | -3.542 | | -1.944 |
| <250 mt | | LOA <5 years | -3.262 | **<.0001** | -4.101 | | -2.424 |
| <250 mt | | LOA > 5 years | -3.615 | **<.0001** | -4.467 | | -2.764 |
| <250 mt | | >350 mt | -3.143 | **<.0001** | -3.896 | | -2.390 |
| <350 mt | | LOA <5 years | -0.519 | 0.761 | -1.211 | | 0.173 |
| <350 mt | | LOA > 5 years | -0.872 | 0.168 | -1.564 | | -0.181 |
| <350 mt | | >350 mt | -0.400 | 0.790 | -0.953 | | 0.153 |
| LOA <5 years | | LOA > 5 years | -0.353 | 0.953 | -1.042 | | 0.336 |
| LOA <5 years | | >350 mt | 0.119 | 1.000 | -0.504 | | 0.743 |
| LOA > 5 years | | >350 mt | 0.472 | 0.740 | -0.143 | | 1.088 |
| **ELBOW** | LOA <12 months | | LOA <24 months | -1.192 | 0.061 | -2.002 | | -0.382 |
| LOA <12 months | | <250 mt | -1.360 | **0.005** | -2.094 | | -0.626 |
| LOA <12 months | | <350 mt | -2.914 | **<.0001** | -3.520 | | -2.308 |
| LOA <12 months | | LOA <5 years | -1.579 | **<.0001** | -2.204 | | -0.954 |
| LOA <12 months | | LOA > 5 years | -2.684 | **<.0001** | -3.311 | | -2.057 |
| LOA <12 months | | >350 mt | -3.353 | **<.0001** | -3.901 | | -2.804 |
| LOA <24 months | | <250 mt | -0.169 | 1.000 | -1.073 | | 0.736 |
| LOA <24 months | | <350 mt | -1.722 | **0.000** | -2.512 | | -0.933 |
| LOA <24 months | | LOA <5 years | -0.387 | 0.962 | -1.179 | | 0.405 |
| LOA <24 months | | LOA > 5 years | -1.493 | **0.005** | -2.291 | | -0.694 |
| LOA <24 months | | >350 mt | -2.161 | **<.0001** | -2.905 | | -1.417 |
| <250 mt | | <350 mt | -1.554 | **0.000** | -2.262 | | -0.846 |
| <250 mt | | LOA <5 years | -0.219 | 0.997 | -0.958 | | 0.520 |
| <250 mt | | LOA > 5 years | -1.324 | **0.008** | -2.062 | | -0.586 |
| <250 mt | | >350 mt | -1.992 | **<.0001** | -2.653 | | -1.332 |
| <350 mt | | LOA <5 years | 1.335 | **0.000** | 0.735 | | 1.936 |
| <350 mt | | LOA > 5 years | 0.230 | 0.988 | -0.359 | | 0.819 |
| <350 mt | | >350 mt | -0.439 | 0.557 | -0.920 | | 0.043 |
| LOA <5 years | | LOA > 5 years | -1.105 | **0.006** | -1.703 | | -0.507 |
| LOA <5 years | | >350 mt | -1.774 | **<.0001** | -2.307 | | -1.240 |
| LOA > 5 years | | >350 mt | -0.668 | 0.146 | -1.185 | | -0.152 |
| **DISTAL** | LOA <12 months | | LOA <24 months | 0.152 | 0.997 | -0.352 | | 0.655 |
| LOA <12 months | | <250 mt | -0.141 | 0.997 | -0.597 | | 0.316 |
| LOA <12 months | | <350 mt | -0.442 | 0.228 | -0.814 | | -0.071 |
| LOA <12 months | | LOA <5 years | 0.319 | 0.664 | -0.066 | | 0.705 |
| LOA <12 months | | LOA > 5 years | 0.639 | **0.017** | 0.261 | | 1.017 |
| LOA <12 months | | >350 mt | -0.352 | 0.362 | -0.684 | | -0.021 |
| LOA <24 months | | <250 mt | -0.292 | 0.949 | -0.852 | | 0.268 |
| LOA <24 months | | <350 mt | -0.594 | 0.203 | -1.081 | | -0.107 |
| LOA <24 months | | LOA <5 years | 0.168 | 0.994 | -0.326 | | 0.661 |
| LOA <24 months | | LOA > 5 years | 0.487 | 0.446 | -0.003 | | 0.978 |
| LOA <24 months | | >350 mt | -0.504 | 0.315 | -0.960 | | -0.047 |
| <250 mt | | <350 mt | -0.302 | 0.827 | -0.740 | | 0.137 |
| <250 mt | | LOA <5 years | 0.460 | 0.427 | 0.005 | | 0.915 |
| <250 mt | | LOA > 5 years | 0.780 | 0.012 | 0.331 | | 1.228 |
| <250 mt | | >350 mt | -0.212 | 0.948 | -0.617 | | 0.194 |
| <350 mt | | LOA <5 years | 0.762 | **0.001** | 0.397 | | 1.127 |
| <350 mt | | LOA > 5 years | 1.081 | **<.0001** | 0.728 | | 1.434 |
| <350 mt | | >350 mt | 0.090 | 0.997 | -0.204 | | 0.384 |
| LOA <5 years | | LOA > 5 years | 0.320 | 0.600 | -0.044 | | 0.683 |
| LOA <5 years | | >350 mt | -0.672 | **0.001** | -0.993 | | -0.351 |
| LOA > 5 years | | >350 mt | -0.991 | **<.0001** | -1.297 | | -0.686 |

**Supplementary table 2. Pairwaise comparison between ambulatory status at 12 and 24 month from baseline.** Key to table= bold: significant values (alpha <0.05)