| Product-Limit Survival Estimates | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | |
| 0.000000 | 1.0000 | 0 | 0 | 0 | 500 | | |
| 0.156057 | 0.9980 | 0.00200 | 0.00200 | 1 | 499 | | |
| 0.172485 | 0.9960 | 0.00400 | 0.00282 | 2 | 498 | | |
| 0.205339 | 0.9940 | 0.00600 | 0.00345 | 3 | 497 | | |
| 0.208077 | 0.9920 | 0.00800 | 0.00398 | 4 | 496 | | |
| 0.219028 | | | - | 5 | 495 | | |
| 0.219028 | | | | 6 | 494 | | |
| 0.219028 | 0.9860 | 0.0140 | 0.00525 | 7 | 493 | | |
| 0.224504 | 0.9840 | 0.0160 | 0.00561 | 8 | 492 | | |
| 0.227242 | | | | 9 | 491 | | |
| 0.227242 | 0.9800 | 0.0200 | 0.00626 | 10 | 490 | | |
| 0.229979 | 0.9780 | 0.0220 | 0.00656 | 11 | 489 | | |
| 0.232717 | | | | 12 | 488 | | |
| 0.232717 | 0.9740 | 0.0260 | 0.00712 | 13 | 487 | | |
| 0.235455 | | | | 14 | 486 | | |
| 0.235455 | | | | 15 | 485 | | |
| 0.235455 | 0.9680 | 0.0320 | 0.00787 | 16 | 484 | | |
| 0.243669 | 0.9660 | 0.0340 | 0.00810 | 17 | 483 | | |
| 0.246407 | | | | 18 | 482 | | |
| 0.246407 | 0.9620 | 0.0380 | 0.00855 | 19 | 481 | | |
| 0.251882 | 0.9600 | 0.0400 | 0.00876 | 20 | 480 | | |
| 0.254620 | 0.9580 | 0.0420 | 0.00897 | 21 | 479 | | |
| 0.257358 | | | | 22 | 478 | | |
| 0.257358 | 0.9540 | 0.0460 | 0.00937 | 23 | 477 | | |
| 0.262834 | | | | 24 | 476 | | |
| 0.262834 | | | | 25 | 475 | | |
| 0.262834 | | | | 26 | 474 | | |
| 0.262834 | | | | 27 | 473 | | |
| 0.262834 | 0.9440 | 0.0560 | 0.0103 | 28 | 472 | | |
| 0.265572 | 0.9420 | 0.0580 | 0.0105 | 29 | 471 | | |
| 0.268309 | 0.9400 | 0.0600 | 0.0106 | 30 | 470 | | |
| 0.271047 | | | | 31 | 469 | | |
| 0.271047 | | | | 32 | 468 | | |
| 0.271047 | 0.9340 | 0.0660 | 0.0111 | 33 | 467 | | |

| Product-Limit Survival Estimates | | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | | |
| 0.273785 | | | | 34 | 466 | | | |
| 0.273785 | | | | 35 | 465 | | | |
| 0.273785 | | | | 36 | 464 | | | |
| 0.273785 | 0.9260 | 0.0740 | 0.0117 | 37 | 463 | | | |
| 0.276523 | | | | 38 | 462 | | | |
| 0.276523 | | | | 39 | 461 | | | |
| 0.276523 | 0.9200 | 0.0800 | 0.0121 | 40 | 460 | | | |
| 0.279261 | | | | 41 | 459 | | | |
| 0.279261 | 0.9160 | 0.0840 | 0.0124 | 42 | 458 | | | |
| 0.281999 | | | | 43 | 457 | | | |
| 0.281999 | | | | 44 | 456 | | | |
| 0.281999 | 0.9100 | 0.0900 | 0.0128 | 45 | 455 | | | |
| 0.284736 | | | | 46 | 454 | | | |
| 0.284736 | | | | 47 | 453 | | | |
| 0.284736 | | | | 48 | 452 | | | |
| 0.284736 | 0.9020 | 0.0980 | 0.0133 | 49 | 451 | | | |
| 0.287474 | | | | 50 | 450 | | | |
| 0.287474 | | | | 51 | 449 | | | |
| 0.287474 | | | | 52 | 448 | | | |
| 0.287474 | 0.8940 | 0.1060 | 0.0138 | 53 | 447 | | | |
| 0.290212 | | | | 54 | 446 | | | |
| 0.290212 | 0.8900 | 0.1100 | 0.0140 | 55 | 445 | | | |
| 0.292950 | | | | 56 | 444 | | | |
| 0.292950 | 0.8860 | 0.1140 | 0.0142 | 57 | 443 | | | |
| 0.295688 | 0.8840 | 0.1160 | 0.0143 | 58 | 442 | | | |
| 0.301164 | | | | 59 | 441 | | | |
| 0.301164 | | | | 60 | 440 | | | |
| 0.301164 | | | | 61 | 439 | | | |
| 0.301164 | | | | 62 | 438 | | | |
| 0.301164 | | | | 63 | 437 | | | |
| 0.301164 | | | | 64 | 436 | | | |
| 0.301164 | | | | 65 | 435 | | | |
| 0.301164 | | | | 66 | 434 | | | |
| 0.301164 | | | | 67 | 433 | | | |

| Product-Limit Survival Estimates | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | |
| 0.301164 | 0.8640 | 0.1360 | 0.0153 | 68 | 432 | | |
| 0.303901 | | | | 69 | 431 | | |
| 0.303901 | | | | 70 | 430 | | |
| 0.303901 | | | | 71 | 429 | | |
| 0.303901 | | | | 72 | 428 | | |
| 0.303901 | 0.8540 | 0.1460 | 0.0158 | 73 | 427 | | |
| 0.306639 | | | | 74 | 426 | | |
| 0.306639 | | | | 75 | 425 | | |
| 0.306639 | | | | 76 | 424 | | |
| 0.306639 | | | | 77 | 423 | | |
| 0.306639 | 0.8440 | 0.1560 | 0.0162 | 78 | 422 | | |
| 0.309377 | | | | 79 | 421 | | |
| 0.309377 | 0.8400 | 0.1600 | 0.0164 | 80 | 420 | | |
| 0.312115 | | | | 81 | 419 | | |
| 0.312115 | | | | 82 | 418 | | |
| 0.312115 | 0.8340 | 0.1660 | 0.0166 | 83 | 417 | | |
| 0.314853 | | | | 84 | 416 | | |
| 0.314853 | | | | 85 | 415 | | |
| 0.314853 | | | | 86 | 414 | | |
| 0.314853 | 0.8260 | 0.1740 | 0.0170 | 87 | 413 | | |
| 0.317591 | | | | 88 | 412 | | |
| 0.317591 | | | | 89 | 411 | | |
| 0.317591 | 0.8200 | 0.1800 | 0.0172 | 90 | 410 | | |
| 0.320329 | | | | 91 | 409 | | |
| 0.320329 | | | | 92 | 408 | | |
| 0.320329 | | | | 93 | 407 | | |
| 0.320329 | | | | 94 | 406 | | |
| 0.320329 | 0.8100 | 0.1900 | 0.0175 | 95 | 405 | | |
| 0.323066 | | | | 96 | 404 | | |
| 0.323066 | | | | 97 | 403 | | |
| 0.323066 | | | | 98 | 402 | | |
| 0.323066 | | | | 99 | 401 | | |
| 0.323066 | | | | 100 | 400 | | |
| 0.323066 | | | | 101 | 399 | | |

| Product-Limit Survival Estimates | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | |
| 0.323066 | | | | 102 | 398 | | |
| 0.323066 | | | | 103 | 397 | | |
| 0.323066 | 0.7920 | 0.2080 | 0.0182 | 104 | 396 | | |
| 0.325804 | | | | 105 | 395 | | |
| 0.325804 | 0.7880 | 0.2120 | 0.0183 | 106 | 394 | | |
| 0.328542 | | | | 107 | 393 | | |
| 0.328542 | | | | 108 | 392 | | |
| 0.328542 | | | | 109 | 391 | | |
| 0.328542 | | | | 110 | 390 | | |
| 0.328542 | | | | 111 | 389 | | |
| 0.328542 | | | | 112 | 388 | | |
| 0.328542 | | | | 113 | 387 | | |
| 0.328542 | | | | 114 | 386 | | |
| 0.328542 | 0.7700 | 0.2300 | 0.0188 | 115 | 385 | | |
| 0.331280 | | | | 116 | 384 | | |
| 0.331280 | | | | 117 | 383 | | |
| 0.331280 | | | | 118 | 382 | | |
| 0.331280 | | | | 119 | 381 | | |
| 0.331280 | 0.7600 | 0.2400 | 0.0191 | 120 | 380 | | |
| 0.334018 | | | | 121 | 379 | | |
| 0.334018 | | | | 122 | 378 | | |
| 0.334018 | | | | 123 | 377 | | |
| 0.334018 | 0.7520 | 0.2480 | 0.0193 | 124 | 376 | | |
| 0.336756 | | | | 125 | 375 | | |
| 0.336756 | | | | 126 | 374 | | |
| 0.336756 | 0.7460 | 0.2540 | 0.0195 | 127 | 373 | | |
| 0.339493 | | | | 128 | 372 | | |
| 0.339493 | <u> </u> | | | 129 | 371 | | |
| 0.339493 | | | | 130 | 370 | | |
| 0.339493 | <u> </u> | | | 131 | 369 | | |
| 0.339493 | | | | 132 | 368 | | |
| 0.339493 | 0.7340 | 0.2660 | 0.0198 | 133 | 367 | | |
| 0.342231 | | | | 134 | 366 | | |
| 0.342231 | | | | 135 | 365 | | |

| Product-Limit Survival Estimates | | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | | |
| 0.342231 | | | | 136 | 364 | | | |
| 0.342231 | | | | 137 | 363 | | | |
| 0.342231 | | | | 138 | 362 | | | |
| 0.342231 | | | | 139 | 361 | | | |
| 0.342231 | | | | 140 | 360 | | | |
| 0.342231 | 0.7180 | 0.2820 | 0.0201 | 141 | 359 | | | |
| 0.344969 | | | | 142 | 358 | | | |
| 0.344969 | 0.7140 | 0.2860 | 0.0202 | 143 | 357 | | | |
| 0.347707 | | | | 144 | 356 | | | |
| 0.347707 | | | | 145 | 355 | | | |
| 0.347707 | | | | 146 | 354 | | | |
| 0.347707 | | | | 147 | 353 | | | |
| 0.347707 | | | | 148 | 352 | | | |
| 0.347707 | | | | 149 | 351 | | | |
| 0.347707 | | | | 150 | 350 | | | |
| 0.347707 | | | | 151 | 349 | | | |
| 0.347707 | 0.6960 | 0.3040 | 0.0206 | 152 | 348 | | | |
| 0.350445 | | | | 153 | 347 | | | |
| 0.350445 | | | | 154 | 346 | | | |
| 0.350445 | | | | 155 | 345 | | | |
| 0.350445 | | | | 156 | 344 | | | |
| 0.350445 | | | | 157 | 343 | | | |
| 0.350445 | | | | 158 | 342 | | | |
| 0.350445 | | | | 159 | 341 | | | |
| 0.350445 | 0.6800 | 0.3200 | 0.0209 | 160 | 340 | | | |
| 0.353183 | | | | 161 | 339 | | | |
| 0.353183 | | | | 162 | 338 | | | |
| 0.353183 | | | | 163 | 337 | | | |
| 0.353183 | 0.6720 | 0.3280 | 0.0210 | 164 | 336 | | | |
| 0.355921 | | | | 165 | 335 | | | |
| 0.355921 | | | | 166 | 334 | | | |
| 0.355921 | | | | 167 | 333 | | | |
| 0.355921 | | | | 168 | 332 | | | |
| 0.355921 | | | | 169 | 331 | | | |

| Product-Limit Survival Estimates | | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | | |
| 0.355921 | | | | 170 | 330 | | | |
| 0.355921 | | | | 171 | 329 | | | |
| 0.355921 | | | | 172 | 328 | | | |
| 0.355921 | | | | 173 | 327 | | | |
| 0.355921 | | | | 174 | 326 | | | |
| 0.355921 | | | | 175 | 325 | | | |
| 0.355921 | | | | 176 | 324 | | | |
| 0.355921 | | | | 177 | 323 | | | |
| 0.355921 | | | | 178 | 322 | | | |
| 0.355921 | | | | 179 | 321 | | | |
| 0.355921 | | | | 180 | 320 | | | |
| 0.355921 | | | | 181 | 319 | | | |
| 0.355921 | 0.6360 | 0.3640 | 0.0215 | 182 | 318 | | | |
| 0.358658 | | | | 183 | 317 | | | |
| 0.358658 | | | | 184 | 316 | | | |
| 0.358658 | 0.6300 | 0.3700 | 0.0216 | 185 | 315 | | | |
| 0.361396 | | | | 186 | 314 | | | |
| 0.361396 | | | | 187 | 313 | | | |
| 0.361396 | | | | 188 | 312 | | | |
| 0.361396 | | | | 189 | 311 | | | |
| 0.361396 | | | | 190 | 310 | | | |
| 0.361396 | | | | 191 | 309 | | | |
| 0.361396 | 0.6160 | 0.3840 | 0.0218 | 192 | 308 | | | |
| 0.364134 | | | | 193 | 307 | | | |
| 0.364134 | | | | 194 | 306 | | | |
| 0.364134 | | | | 195 | 305 | | | |
| 0.364134 | 0.6080 | 0.3920 | 0.0218 | 196 | 304 | | | |
| 0.366872 | | | | 197 | 303 | | | |
| 0.366872 | | | | 198 | 302 | | | |
| 0.366872 | | | | 199 | 301 | | | |
| 0.366872 | | | | 200 | 300 | | | |
| 0.366872 | | | | 201 | 299 | | | |
| 0.366872 | 0.5960 | 0.4040 | 0.0219 | 202 | 298 | | | |
| 0.369610 | | | | 203 | 297 | | | |

| Product-Limit Survival Estimates | | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | | |
| 0.369610 | | | | 204 | 296 | | | |
| 0.369610 | | | | 205 | 295 | | | |
| 0.369610 | | | | 206 | 294 | | | |
| 0.369610 | | | | 207 | 293 | | | |
| 0.369610 | 0.5840 | 0.4160 | 0.0220 | 208 | 292 | | | |
| 0.372348 | | | | 209 | 291 | | | |
| 0.372348 | | | | 210 | 290 | | | |
| 0.372348 | | | | 211 | 289 | | | |
| 0.372348 | | | | 212 | 288 | | | |
| 0.372348 | | | | 213 | 287 | | | |
| 0.372348 | | | | 214 | 286 | | | |
| 0.372348 | | | | 215 | 285 | | | |
| 0.372348 | 0.5680 | 0.4320 | 0.0222 | 216 | 284 | | | |
| 0.375086 | | | | 217 | 283 | | | |
| 0.375086 | | | | 218 | 282 | | | |
| 0.375086 | | | | 219 | 281 | | | |
| 0.375086 | 0.5600 | 0.4400 | 0.0222 | 220 | 280 | | | |
| 0.377823 | | | | 221 | 279 | | | |
| 0.377823 | | | | 222 | 278 | | | |
| 0.377823 | | | | 223 | 277 | | | |
| 0.377823 | 0.5520 | 0.4480 | 0.0222 | 224 | 276 | | | |
| 0.380561 | | | | 225 | 275 | | | |
| 0.380561 | | | | 226 | 274 | | | |
| 0.380561 | | | | 227 | 273 | | | |
| 0.380561 | | | | 228 | 272 | | | |
| 0.380561 | · | | | 229 | 271 | | | |
| 0.380561 | 0.5400 | 0.4600 | 0.0223 | 230 | 270 | | | |
| 0.383299 | | | | 231 | 269 | | | |
| 0.383299 | | | | 232 | 268 | | | |
| 0.383299 | | | | 233 | 267 | | | |
| 0.383299 | | | | 234 | 266 | | | |
| 0.383299 | | | | 235 | 265 | | | |
| 0.383299 | | | | 236 | 264 | | | |
| 0.383299 | | | | 237 | 263 | | | |

| Product-Limit Survival Estimates | | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | | |
| 0.383299 | | | | 238 | 262 | | | |
| 0.383299 | | | | 239 | 261 | | | |
| 0.383299 | | | | 240 | 260 | | | |
| 0.383299 | | | | 241 | 259 | | | |
| 0.383299 | | | | 242 | 258 | | | |
| 0.383299 | | | | 243 | 257 | | | |
| 0.383299 | | | | 244 | 256 | | | |
| 0.383299 | | | | 245 | 255 | | | |
| 0.383299 | | | | 246 | 254 | | | |
| 0.383299 | 0.5060 | 0.4940 | 0.0224 | 247 | 253 | | | |
| 0.386037 | | | | 248 | 252 | | | |
| 0.386037 | | | | 249 | 251 | | | |
| 0.386037 | 0.5000 | 0.5000 | 0.0224 | 250 | 250 | | | |
| 0.388775 | | | | 251 | 249 | | | |
| 0.388775 | | | | 252 | 248 | | | |
| 0.388775 | | | | 253 | 247 | | | |
| 0.388775 | | | | 254 | 246 | | | |
| 0.388775 | | | | 255 | 245 | | | |
| 0.388775 | 0.4880 | 0.5120 | 0.0224 | 256 | 244 | | | |
| 0.391513 | | | | 257 | 243 | | | |
| 0.391513 | | | | 258 | 242 | | | |
| 0.391513 | | | | 259 | 241 | | | |
| 0.391513 | 0.4800 | 0.5200 | 0.0223 | 260 | 240 | | | |
| 0.394251 | | | | 261 | 239 | | | |
| 0.394251 | | | | 262 | 238 | | | |
| 0.394251 | | | | 263 | 237 | | | |
| 0.394251 | | | | 264 | 236 | | | |
| 0.394251 | 0.4700 | 0.5300 | 0.0223 | 265 | 235 | | | |
| 0.396988 | | | | 266 | 234 | | | |
| 0.396988 | | | | 267 | 233 | | | |
| 0.396988 | | | | 268 | 232 | | | |
| 0.396988 | | | | 269 | 231 | | | |
| 0.396988 | 0.4600 | 0.5400 | 0.0223 | 270 | 230 | | | |
| 0.399726 | | | | 271 | 229 | | | |

| Product-Limit Survival Estimates | | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | | |
| 0.399726 | | | | 272 | 228 | | | |
| 0.399726 | | | | 273 | 227 | | | |
| 0.399726 | | | | 274 | 226 | | | |
| 0.399726 | | | | 275 | 225 | | | |
| 0.399726 | | | | 276 | 224 | | | |
| 0.399726 | 0.4460 | 0.5540 | 0.0222 | 277 | 223 | | | |
| 0.402464 | | | | 278 | 222 | | | |
| 0.402464 | | | | 279 | 221 | | | |
| 0.402464 | | | | 280 | 220 | | | |
| 0.402464 | | | | 281 | 219 | | | |
| 0.402464 | 0.4360 | 0.5640 | 0.0222 | 282 | 218 | | | |
| 0.405202 | | | | 283 | 217 | | | |
| 0.405202 | | | | 284 | 216 | | | |
| 0.405202 | | | | 285 | 215 | | | |
| 0.405202 | | | | 286 | 214 | | | |
| 0.405202 | | | | 287 | 213 | | | |
| 0.405202 | | | | 288 | 212 | | | |
| 0.405202 | | | | 289 | 211 | | | |
| 0.405202 | | | | 290 | 210 | | | |
| 0.405202 | 0.4180 | 0.5820 | 0.0221 | 291 | 209 | | | |
| 0.407940 | | | | 292 | 208 | | | |
| 0.407940 | | | | 293 | 207 | | | |
| 0.407940 | | | | 294 | 206 | | | |
| 0.407940 | | | | 295 | 205 | | | |
| 0.407940 | | | | 296 | 204 | | | |
| 0.407940 | 0.4060 | 0.5940 | 0.0220 | 297 | 203 | | | |
| 0.410678 | | | | 298 | 202 | | | |
| 0.410678 | | | | 299 | 201 | | | |
| 0.410678 | | | | 300 | 200 | | | |
| 0.410678 | | | | 301 | 199 | | | |
| 0.410678 | | | | 302 | 198 | | | |
| 0.410678 | | | | 303 | 197 | | | |
| 0.410678 | | | | 304 | 196 | | | |
| 0.410678 | | | | 305 | 195 | | | |

| Product-Limit Survival Estimates | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | |
| 0.410678 | | | | 306 | 194 | | |
| 0.410678 | | | | 307 | 193 | | |
| 0.410678 | 0.3840 | 0.6160 | 0.0218 | 308 | 192 | | |
| 0.413415 | | | | 309 | 191 | | |
| 0.413415 | | | | 310 | 190 | | |
| 0.413415 | 0.3780 | 0.6220 | 0.0217 | 311 | 189 | | |
| 0.416153 | | | | 312 | 188 | | |
| 0.416153 | | | | 313 | 187 | | |
| 0.416153 | | | | 314 | 186 | | |
| 0.416153 | 0.3700 | 0.6300 | 0.0216 | 315 | 185 | | |
| 0.418891 | | | | 316 | 184 | | |
| 0.418891 | | | | 317 | 183 | | |
| 0.418891 | | | | 318 | 182 | | |
| 0.418891 | 0.3620 | 0.6380 | 0.0215 | 319 | 181 | | |
| 0.421629 | | | | 320 | 180 | | |
| 0.421629 | 0.3580 | 0.6420 | 0.0214 | 321 | 179 | | |
| 0.424367 | | | | 322 | 178 | | |
| 0.424367 | | | | 323 | 177 | | |
| 0.424367 | 0.3520 | 0.6480 | 0.0214 | 324 | 176 | | |
| 0.427105 | | | | 325 | 175 | | |
| 0.427105 | | | | 326 | 174 | | |
| 0.427105 | | | | 327 | 173 | | |
| 0.427105 | | | | 328 | 172 | | |
| 0.427105 | | | | 329 | 171 | | |
| 0.427105 | | | | 330 | 170 | | |
| 0.427105 | | | | 331 | 169 | | |
| 0.427105 | | | | 332 | 168 | | |
| 0.427105 | | | | 333 | 167 | | |
| 0.427105 | 0.3320 | 0.6680 | 0.0211 | 334 | 166 | | |
| 0.432580 | | | | 335 | 165 | | |
| 0.432580 | | | | 336 | 164 | | |
| 0.432580 | | | | 337 | 163 | | |
| 0.432580 | | | | 338 | 162 | | |
| 0.432580 | | | | 339 | 161 | | |

| Product-Limit Survival Estimates | | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | | |
| 0.432580 | 0.3200 | 0.6800 | 0.0209 | 340 | 160 | | | |
| 0.435318 | | | | 341 | 159 | | | |
| 0.435318 | | | | 342 | 158 | | | |
| 0.435318 | | | | 343 | 157 | | | |
| 0.435318 | 0.3120 | 0.6880 | 0.0207 | 344 | 156 | | | |
| 0.438056 | | | | 345 | 155 | | | |
| 0.438056 | | | | 346 | 154 | | | |
| 0.438056 | | | | 347 | 153 | | | |
| 0.438056 | | | | 348 | 152 | | | |
| 0.438056 | | | | 349 | 151 | | | |
| 0.438056 | | | | 350 | 150 | | | |
| 0.438056 | | | | 351 | 149 | | | |
| 0.438056 | | | | 352 | 148 | | | |
| 0.438056 | | | | 353 | 147 | | | |
| 0.438056 | | | | 354 | 146 | | | |
| 0.438056 | | | | 355 | 145 | | | |
| 0.438056 | | | | 356 | 144 | | | |
| 0.438056 | | | | 357 | 143 | | | |
| 0.438056 | | | | 358 | 142 | | | |
| 0.438056 | 0.2820 | 0.7180 | 0.0201 | 359 | 141 | | | |
| 0.440794 | | | | 360 | 140 | | | |
| 0.440794 | | | | 361 | 139 | | | |
| 0.440794 | | | | 362 | 138 | | | |
| 0.440794 | 0.2740 | 0.7260 | 0.0199 | 363 | 137 | | | |
| 0.443532 | | | | 364 | 136 | | | |
| 0.443532 | | | | 365 | 135 | | | |
| 0.443532 | | | | 366 | 134 | | | |
| 0.443532 | 0.2660 | 0.7340 | 0.0198 | 367 | 133 | | | |
| 0.446270 | | | | 368 | 132 | | | |
| 0.446270 | 0.2620 | 0.7380 | 0.0197 | 369 | 131 | | | |
| 0.449008 | | | | 370 | 130 | | | |
| 0.449008 | | | | 371 | 129 | | | |
| 0.449008 | | | | 372 | 128 | | | |
| 0.449008 | | | | 373 | 127 | | | |

| Product-Limit Survival Estimates | | | | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|--|--|--|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left | | | |
| 0.449008 | | | | 374 | 126 | | | |
| 0.449008 | | | | 375 | 125 | | | |
| 0.449008 | | | | 376 | 124 | | | |
| 0.449008 | 0.2460 | 0.7540 | 0.0193 | 377 | 123 | | | |
| 0.451745 | | | | 378 | 122 | | | |
| 0.451745 | | | | 379 | 121 | | | |
| 0.451745 | 0.2400 | 0.7600 | 0.0191 | 380 | 120 | | | |
| 0.454483 | | | | 381 | 119 | | | |
| 0.454483 | | | | 382 | 118 | | | |
| 0.454483 | | | | 383 | 117 | | | |
| 0.454483 | | | | 384 | 116 | | | |
| 0.454483 | | | | 385 | 115 | | | |
| 0.454483 | | | | 386 | 114 | | | |
| 0.454483 | 0.2260 | 0.7740 | 0.0187 | 387 | 113 | | | |
| 0.457221 | 0.2240 | 0.7760 | 0.0186 | 388 | 112 | | | |
| 0.459959 | | | | 389 | 111 | | | |
| 0.459959 | | | | 390 | 110 | | | |
| 0.459959 | | | | 391 | 109 | | | |
| 0.459959 | | | | 392 | 108 | | | |
| 0.459959 | 0.2140 | 0.7860 | 0.0183 | 393 | 107 | | | |
| 0.462697 | | | | 394 | 106 | | | |
| 0.462697 | | | | 395 | 105 | | | |
| 0.462697 | | | | 396 | 104 | | | |
| 0.462697 | | | | 397 | 103 | | | |
| 0.462697 | 0.2040 | 0.7960 | 0.0180 | 398 | 102 | | | |
| 0.465435 | | | | 399 | 101 | | | |
| 0.465435 | | | | 400 | 100 | | | |
| 0.465435 | | | | 401 | 99 | | | |
| 0.465435 | | | | 402 | 98 | | | |
| 0.465435 | | | | 403 | 97 | | | |
| 0.465435 | | | | 404 | 96 | | | |
| 0.465435 | | | | 405 | 95 | | | |
| 0.465435 | 0.1880 | 0.8120 | 0.0175 | 406 | 94 | | | |
| 0.468172 | 0.1860 | 0.8140 | 0.0174 | 407 | 93 | | | |

| Product-Limit Survival Estimates | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left |
| 0.470910 | | | | 408 | 92 |
| 0.470910 | | | | 409 | 91 |
| 0.470910 | 0.1800 | 0.8200 | 0.0172 | 410 | 90 |
| 0.473648 | | | | 411 | 89 |
| 0.473648 | 0.1760 | 0.8240 | 0.0170 | 412 | 88 |
| 0.476386 | | | | 413 | 87 |
| 0.476386 | | | | 414 | 86 |
| 0.476386 | | | | 415 | 85 |
| 0.476386 | | | | 416 | 84 |
| 0.476386 | 0.1660 | 0.8340 | 0.0166 | 417 | 83 |
| 0.479124 | | | | 418 | 82 |
| 0.479124 | | | | 419 | 81 |
| 0.479124 | | | | 420 | 80 |
| 0.479124 | 0.1580 | 0.8420 | 0.0163 | 421 | 79 |
| 0.481862 | | | | 422 | 78 |
| 0.481862 | 0.1540 | 0.8460 | 0.0161 | 423 | 77 |
| 0.484600 | | | | 424 | 76 |
| 0.484600 | 0.1500 | 0.8500 | 0.0160 | 425 | 75 |
| 0.487337 | | | | 426 | 74 |
| 0.487337 | 0.1460 | 0.8540 | 0.0158 | 427 | 73 |
| 0.490075 | | | | 428 | 72 |
| 0.490075 | | | | 429 | 71 |
| 0.490075 | 0.1400 | 0.8600 | 0.0155 | 430 | 70 |
| 0.492813 | | | | 431 | 69 |
| 0.492813 | | | | 432 | 68 |
| 0.492813 | | | | 433 | 67 |
| 0.492813 | | | | 434 | 66 |
| 0.492813 | 0.1300 | 0.8700 | 0.0150 | 435 | 65 |
| 0.498289 | | | | 436 | 64 |
| 0.498289 | | | | 437 | 63 |
| 0.498289 | 0.1240 | 0.8760 | 0.0147 | 438 | 62 |
| 0.503765 | | | | 439 | 61 |
| 0.503765 | 0.1200 | 0.8800 | 0.0145 | 440 | 60 |
| 0.509240 | 0.1180 | 0.8820 | 0.0144 | 441 | 59 |

| Product-Limit Survival Estimates | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left |
| 0.514716 | 0.1160 | 0.8840 | 0.0143 | 442 | 58 |
| 0.517454 | | | | 443 | 57 |
| 0.517454 | 0.1120 | 0.8880 | 0.0141 | 444 | 56 |
| 0.520192 | | | | 445 | 55 |
| 0.520192 | | | | 446 | 54 |
| 0.520192 | | | | 447 | 53 |
| 0.520192 | 0.1040 | 0.8960 | 0.0137 | 448 | 52 |
| 0.522930 | 0.1020 | 0.8980 | 0.0135 | 449 | 51 |
| 0.525667 | | | | 450 | 50 |
| 0.525667 | | | | 451 | 49 |
| 0.525667 | 0.0960 | 0.9040 | 0.0132 | 452 | 48 |
| 0.528405 | 0.0940 | 0.9060 | 0.0131 | 453 | 47 |
| 0.531143 | 0.0920 | 0.9080 | 0.0129 | 454 | 46 |
| 0.536619 | | | | 455 | 45 |
| 0.536619 | 0.0880 | 0.9120 | 0.0127 | 456 | 44 |
| 0.539357 | | | | 457 | 43 |
| 0.539357 | 0.0840 | 0.9160 | 0.0124 | 458 | 42 |
| 0.542094 | | | | 459 | 41 |
| 0.542094 | | | | 460 | 40 |
| 0.542094 | | | | 461 | 39 |
| 0.542094 | | | | 462 | 38 |
| 0.542094 | 0.0740 | 0.9260 | 0.0117 | 463 | 37 |
| 0.547570 | | | | 464 | 36 |
| 0.547570 | | | | 465 | 35 |
| 0.547570 | | | | 466 | 34 |
| 0.547570 | | | | 467 | 33 |
| 0.547570 | | | | 468 | 32 |
| 0.547570 | | | | 469 | 31 |
| 0.547570 | | | | 470 | 30 |
| 0.547570 | 0.0580 | 0.9420 | 0.0105 | 471 | 29 |
| 0.550308 | 0.0560 | 0.9440 | 0.0103 | 472 | 28 |
| 0.553046 | | | | 473 | 27 |
| 0.553046 | | | | 474 | 26 |
| 0.553046 | 0.0500 | 0.9500 | 0.00975 | 475 | 25 |

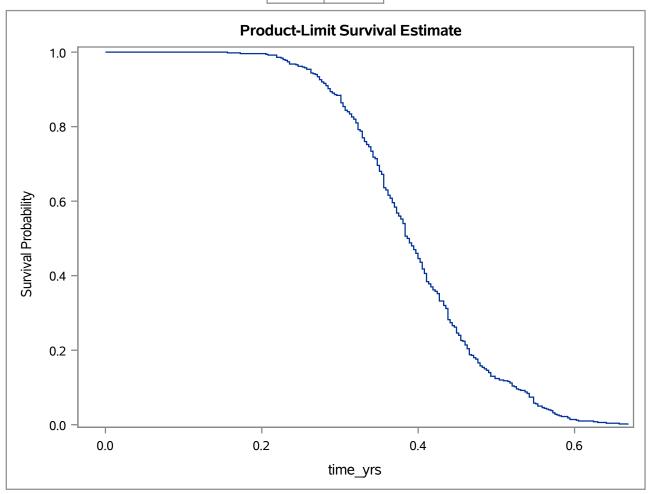
| Product-Limit Survival Estimates | | | | | |
|----------------------------------|----------|---------|-------------------------------|------------------|----------------|
| time_yrs | Survival | Failure | Survival Standard Error | Number Failed | Number Left |
| 0.558522 | | | | 476 | 24 |
| 0.558522 | 0.0460 | 0.9540 | 0.00937 | 477 | 23 |
| 0.561259 | 0.0440 | 0.9560 | 0.00917 | 478 | 22 |
| 0.563997 | 0.0420 | 0.9580 | 0.00897 | 479 | 21 |
| 0.566735 | 0.0400 | 0.9600 | 0.00876 | 480 | 20 |
| 0.569473 | 0.0380 | 0.9620 | 0.00855 | 481 | 19 |
| 0.572211 | | | | 482 | 18 |
| 0.572211 | | | | 483 | 17 |
| 0.572211 | 0.0320 | 0.9680 | 0.00787 | 484 | 16 |
| 0.574949 | | | | 485 | 15 |
| 0.574949 | 0.0280 | 0.9720 | 0.00738 | 486 | 14 |
| 0.577687 | 0.0260 | 0.9740 | 0.00712 | 487 | 13 |
| 0.580424 | 0.0240 | 0.9760 | 0.00684 | 488 | 12 |
| 0.583162 | 0.0220 | 0.9780 | 0.00656 | 489 | 11 |
| 0.591376 | | | | 490 | 10 |
| 0.591376 | 0.0180 | 0.9820 | 0.00595 | 491 | 9 |
| 0.594114 | | | | 492 | 8 |
| 0.594114 | 0.0140 | 0.9860 | 0.00525 | 493 | 7 |
| 0.602327 | 0.0120 | 0.9880 | 0.00487 | 494 | 6 |
| 0.605065 | 0.0100 | 0.9900 | 0.00445 | 495 | 5 |
| 0.624230 | 0.00800 | 0.9920 | 0.00398 | 496 | 4 |
| 0.629706 | 0.00600 | 0.9940 | 0.00345 | 497 | 3 |
| 0.640657 | 0.00400 | 0.9960 | 0.00282 | 498 | 2 |
| 0.657084 | 0.00200 | 0.9980 | 0.00200 | 499 | 1 |
| 0.668036 | 0 | 1.0000 | | 500 | 0 |

The LIFETEST Procedure

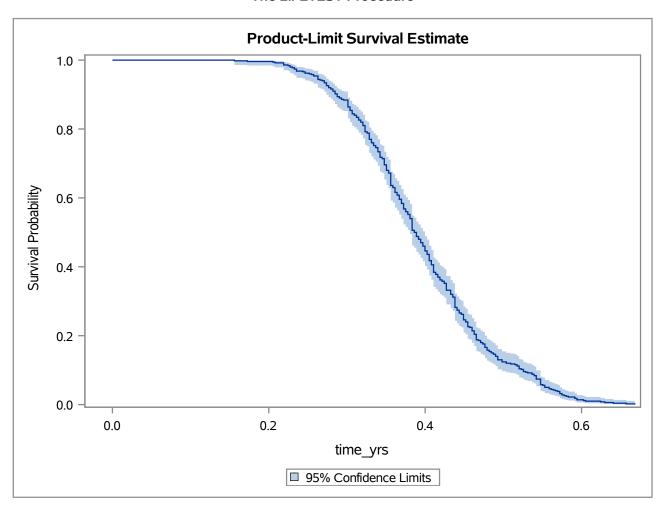
Summary Statistics for Time Variable time_yrs

| Quartile Estimates | | | | | |
|--------------------|-------------------|-------------------------|----------|----------|--|
| | | 95% Confidence Interval | | | |
| Percent | Point Estimate | Transform [Lower Upper) | | | |
| 75 | 0.449008 | LOGLOG | 0.438056 | 0.462697 | |
| 50 | 0.387406 | LOGLOG | 0.380561 | 0.399726 | |
| 25 | 0.336756 | LOGLOG | 0.325804 | 0.347707 | |

| Mean | Standard Error |
|----------|-------------------|
| 0.396178 | 0.003954 |



| Summ | Summary of the Number of Censored and Uncensored Values | | | | |
|--|---|---|------|--|--|
| Total Failed Censored Percent Censored | | | | | |
| 500 | 500 | 0 | 0.00 | | |



| Sumn | Summary of the Number of Censored and Uncensored Values | | | | | |
|-------|---|---|------|--|--|--|
| Total | Total Failed Censored Percent Censored | | | | | |
| 500 | 500 | 0 | 0.00 | | | |

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Comparison of survival for gender for WHAS500 data

| Summary of the Number of Censored and Uncensored Values | | | | | | |
|---|--------|-------|--------|----------|---------------------|--|
| Stratum | gender | Total | Failed | Censored | Percent Censored | |
| 1 | 0 | 125 | 125 | 0 | 0.00 | |
| 2 | 1 | 375 | 375 | 0 | 0.00 | |
| Total | | 500 | 500 | 0 | 0.00 | |

Comparison of survival for gender for WHAS500 data

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for time_yrs over Strata

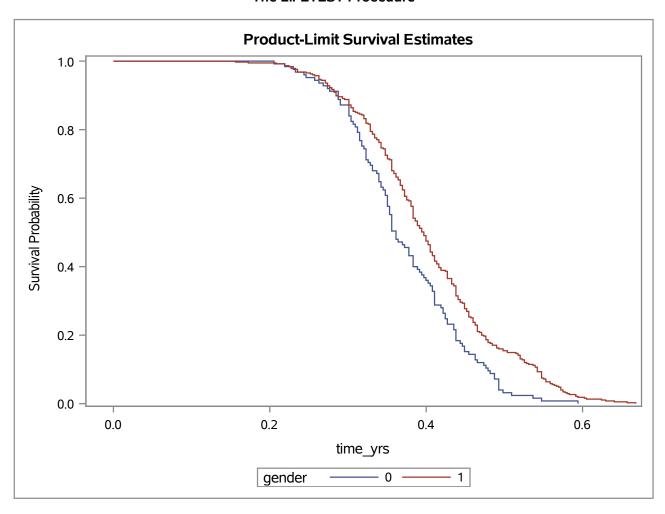
| Rank Statistics | | | | | |
|--------------------------|---------|---------|--|--|--|
| gender Log-Rank Wilcoxon | | | | | |
| 0 | 33.042 | 9186.0 | | | |
| 1 | -33.042 | -9186.0 | | | |

| Covariance Matrix for the Log-Rank Statistics | | | | |
|--|----------|----------|--|--|
| gender 0 1 | | | | |
| 0 | 71.3652 | -71.3652 | | |
| 1 | -71.3652 | 71.3652 | | |

| Covariance Matrix for the Wilcoxon Statistics | | | | |
|---|----------|----------|--|--|
| gender 0 1 | | | | |
| 0 | 7262383 | -7262383 | | |
| 1 | -7262383 | 7262383 | | |

| Test of Equality over Strata | | | | | |
|------------------------------|--------------------------|---|--------|--|--|
| Test | Chi-Square DF Chi-Square | | | | |
| Log-Rank | 15.2987 | 1 | <.0001 | | |
| Wilcoxon | 11.6191 | 1 | 0.0007 | | |
| -2Log(LR) | 0.5691 | 1 | 0.4506 | | |

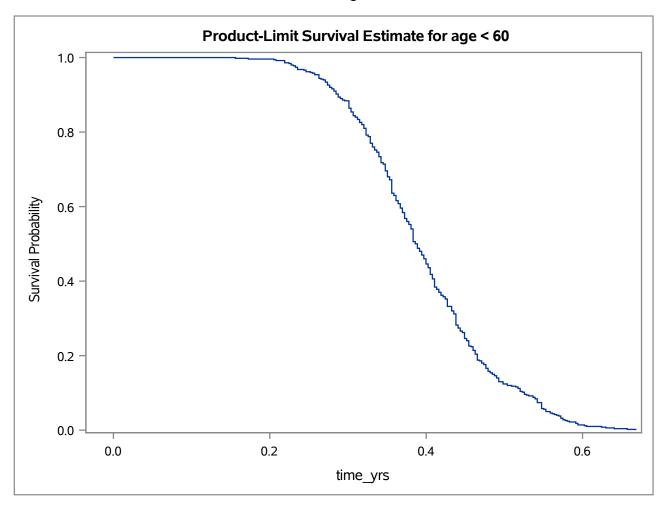
Comparison of survival for gender for WHAS500 data



Comparison of survival for age groups for WHAS500 data

The LIFETEST Procedure

Stratum 1: age < 60



| Summary of the Number of Censored and Uncensored Values | | | | | |
|---|-----|-------|--------|----------|---------------------|
| Stratum | age | Total | Failed | Censored | Percent Censored |
| 1 | <60 | 500 | 500 | 0 | 0.00 |