

**Exhibit 9b
As Filed**

PENNSYLVANIA COMPENSATION RATING BUREAU

Measures of Goodness of Fit in Trend Calculations Using Severity Ratios

Estimates of trended severity ratios using from 4 to 10 data points for each loss development technique are shown in Exhibit 6 of this mailing.

The first page of the attachment shows R^2 values for the regressions producing those trended severity ratios.

Pages 2 and 3 show indemnity fitted severity ratios for each loss development method using from 4 to 10 data points. Page 2 uses linear regression and page 3 uses exponential techniques. Pages 4 and 5 present analogous results for medical-linear and medical-exponential respectively.

Pages 6 through 9 show residuals resulting from the comparison of actual and fitted (actual minus fitted) values for the curves used in the trend projections. Page 6 shows indemnity results using linear regression, page 7 is for indemnity-exponential, page 8 for medical-linear and page 9 for medical-exponential.

| INDEMNITY | | | Average | | |
|------------|---------|----|------------|---------|---------|
| Freq | Adj | LR | (Pd & Inc) | (Incur) | (Pd-26) |
| r^2 | | | | | |
| 4 Point | Linear | | 0.906 | 0.833 | 0.924 |
| 5 Point | Linear | | 0.692 | 0.230 | 0.808 |
| 6 Point | Linear | | 0.821 | 0.539 | 0.885 |
| 7 Point | Linear | | 0.793 | 0.609 | 0.868 |
| 8 Point | Linear | | 0.861 | 0.738 | 0.911 |
| 9 Point | Linear | | 0.887 | 0.781 | 0.929 |
| 10 Point | Linear | | 0.918 | 0.840 | 0.948 |
| 4 Point | Expon'l | | 0.906 | 0.832 | 0.925 |
| 5 Point | Expon'l | | 0.690 | 0.229 | 0.809 |
| 6 Point | Expon'l | | 0.818 | 0.539 | 0.882 |
| 7 Point | Expon'l | | 0.779 | 0.602 | 0.852 |
| 8 Point | Expon'l | | 0.851 | 0.733 | 0.900 |
| 9 Point | Expon'l | | 0.881 | 0.776 | 0.922 |
| 10 Point | Expon'l | | 0.913 | 0.836 | 0.943 |
| MEDICAL | | | Average | | |
| Freq | Adj | LR | (Pd & Inc) | (Incur) | (Pd-26) |
| r^2 | | | | | |
| 4 Point | Linear | | 0.969 | 0.949 | 0.975 |
| 5 Point | Linear | | 0.965 | 0.954 | 0.967 |
| 6 Point | Linear | | 0.948 | 0.923 | 0.960 |
| 7 Point | Linear | | 0.952 | 0.934 | 0.962 |
| 8 Point | Linear | | 0.964 | 0.950 | 0.972 |
| 9 Point | Linear | | 0.957 | 0.946 | 0.964 |
| 10 Point | Linear | | 0.969 | 0.961 | 0.973 |
| 4 Point | Expon'l | | 0.964 | 0.942 | 0.973 |
| 5 Point | Expon'l | | 0.965 | 0.952 | 0.969 |
| 6 Point | Expon'l | | 0.952 | 0.924 | 0.966 |
| 7 Point | Expon'l | | 0.942 | 0.923 | 0.953 |
| 8 Point | Expon'l | | 0.959 | 0.944 | 0.967 |
| 9 Point | Expon'l | | 0.957 | 0.945 | 0.964 |
| 10 Point | Expon'l | | 0.967 | 0.957 | 0.973 |

| INDEMNITY Linear FITTED | Policy Year | Severity Ratio (Avg Pd & Inc) | Severity Ratio (Incur) | Severity Ratio (Pd-26) |
|--------------------------------------|----------------|-------------------------------------|------------------------------|------------------------------|
| 4 Point | 2009 | 0.8111 | 0.7744 | 0.8478 |
| | 2010 | 0.8246 | 0.7807 | 0.8685 |
| | 2011 | 0.8382 | 0.7871 | 0.8892 |
| | 2012 | 0.8517 | 0.7934 | 0.9099 |
| 5 Point | 2008 | 0.8122 | 0.7798 | 0.8447 |
| | 2009 | 0.8209 | 0.7822 | 0.8596 |
| | 2010 | 0.8295 | 0.7847 | 0.8744 |
| | 2011 | 0.8382 | 0.7871 | 0.8892 |
| | 2012 | 0.8468 | 0.7895 | 0.9040 |
| 6 Point | 2007 | 0.7949 | 0.7704 | 0.8195 |
| | 2008 | 0.8059 | 0.7747 | 0.8372 |
| | 2009 | 0.8169 | 0.7790 | 0.8548 |
| | 2010 | 0.8279 | 0.7834 | 0.8725 |
| | 2011 | 0.8390 | 0.7877 | 0.8901 |
| | 2012 | 0.8500 | 0.7921 | 0.9078 |
| 7 Point | 2006 | 0.7584 | 0.7410 | 0.7758 |
| | 2007 | 0.7753 | 0.7512 | 0.7995 |
| | 2008 | 0.7922 | 0.7613 | 0.8231 |
| | 2009 | 0.8091 | 0.7714 | 0.8468 |
| | 2010 | 0.8260 | 0.7815 | 0.8705 |
| | 2011 | 0.8429 | 0.7916 | 0.8942 |
| | 2012 | 0.8598 | 0.8017 | 0.9178 |
| 8 Point | 2005 | 0.7307 | 0.7181 | 0.7434 |
| | 2006 | 0.7497 | 0.7307 | 0.7688 |
| | 2007 | 0.7688 | 0.7434 | 0.7942 |
| | 2008 | 0.7879 | 0.7561 | 0.8196 |
| | 2009 | 0.8069 | 0.7688 | 0.8451 |
| | 2010 | 0.8260 | 0.7815 | 0.8705 |
| | 2011 | 0.8450 | 0.7941 | 0.8959 |
| | 2012 | 0.8641 | 0.8068 | 0.9213 |
| 9 Point | 2004 | 0.7159 | 0.7089 | 0.7230 |
| | 2005 | 0.7342 | 0.7210 | 0.7475 |
| | 2006 | 0.7525 | 0.7330 | 0.7721 |
| | 2007 | 0.7708 | 0.7451 | 0.7966 |
| | 2008 | 0.7891 | 0.7571 | 0.8211 |
| | 2009 | 0.8074 | 0.7692 | 0.8457 |
| | 2010 | 0.8257 | 0.7813 | 0.8702 |
| | 2011 | 0.8440 | 0.7933 | 0.8947 |
| | 2012 | 0.8623 | 0.8054 | 0.9192 |
| | | | | |
| 10 Point | 2003 | 0.6935 | 0.6892 | 0.6981 |
| | 2004 | 0.7125 | 0.7024 | 0.7227 |
| | 2005 | 0.7314 | 0.7157 | 0.7473 |
| | 2006 | 0.7504 | 0.7290 | 0.7718 |
| | 2007 | 0.7693 | 0.7422 | 0.7964 |
| | 2008 | 0.7883 | 0.7555 | 0.8210 |
| | 2009 | 0.8072 | 0.7688 | 0.8456 |
| | 2010 | 0.8262 | 0.7821 | 0.8702 |
| | 2011 | 0.8451 | 0.7953 | 0.8948 |
| | 2012 | 0.8640 | 0.8086 | 0.9194 |

| INDEMNITY Expon'l FITTED | Policy Year | Severity Ratio (Avg Pd & Inc) | Severity Ratio (Incur) | Severity Ratio (Pd-26) |
|---------------------------------------|----------------|-------------------------------------|------------------------------|------------------------------|
| 4 Point | 2009 | 0.8112 | 0.7744 | 0.8481 |
| | 2010 | 0.8245 | 0.7807 | 0.8683 |
| | 2011 | 0.8380 | 0.7870 | 0.8889 |
| | 2012 | 0.8518 | 0.7934 | 0.9100 |
| 5 Point | 2008 | 0.8124 | 0.7798 | 0.8452 |
| | 2009 | 0.8208 | 0.7822 | 0.8595 |
| | 2010 | 0.8294 | 0.7846 | 0.8741 |
| | 2011 | 0.8380 | 0.7870 | 0.8889 |
| | 2012 | 0.8468 | 0.7895 | 0.9040 |
| 6 Point | 2007 | 0.7951 | 0.7704 | 0.8200 |
| | 2008 | 0.8058 | 0.7747 | 0.8369 |
| | 2009 | 0.8167 | 0.7790 | 0.8543 |
| | 2010 | 0.8277 | 0.7833 | 0.8719 |
| | 2011 | 0.8389 | 0.7877 | 0.8900 |
| | 2012 | 0.8502 | 0.7921 | 0.9084 |
| 7 Point | 2006 | 0.7582 | 0.7406 | 0.7761 |
| | 2007 | 0.7745 | 0.7506 | 0.7985 |
| | 2008 | 0.7911 | 0.7607 | 0.8215 |
| | 2009 | 0.8081 | 0.7709 | 0.8452 |
| | 2010 | 0.8255 | 0.7813 | 0.8696 |
| | 2011 | 0.8433 | 0.7918 | 0.8947 |
| | 2012 | 0.8614 | 0.8025 | 0.9205 |
| 8 Point | 2005 | 0.7310 | 0.7178 | 0.7446 |
| | 2006 | 0.7490 | 0.7300 | 0.7680 |
| | 2007 | 0.7674 | 0.7425 | 0.7923 |
| | 2008 | 0.7863 | 0.7552 | 0.8173 |
| | 2009 | 0.8057 | 0.7682 | 0.8430 |
| | 2010 | 0.8255 | 0.7813 | 0.8696 |
| | 2011 | 0.8459 | 0.7947 | 0.8971 |
| | 2012 | 0.8667 | 0.8082 | 0.9253 |
| 9 Point | 2004 | 0.7170 | 0.7091 | 0.7254 |
| | 2005 | 0.7340 | 0.7206 | 0.7476 |
| | 2006 | 0.7514 | 0.7323 | 0.7705 |
| | 2007 | 0.7692 | 0.7442 | 0.7941 |
| | 2008 | 0.7875 | 0.7563 | 0.8184 |
| | 2009 | 0.8062 | 0.7686 | 0.8435 |
| | 2010 | 0.8253 | 0.7811 | 0.8694 |
| | 2011 | 0.8449 | 0.7938 | 0.8960 |
| | 2012 | 0.8649 | 0.8067 | 0.9235 |
| 10 Point | 2003 | 0.6953 | 0.6897 | 0.7016 |
| | 2004 | 0.7126 | 0.7022 | 0.7234 |
| | 2005 | 0.7304 | 0.7149 | 0.7460 |
| | 2006 | 0.7486 | 0.7278 | 0.7692 |
| | 2007 | 0.7672 | 0.7410 | 0.7932 |
| | 2008 | 0.7863 | 0.7544 | 0.8179 |
| | 2009 | 0.8059 | 0.7681 | 0.8434 |
| | 2010 | 0.8259 | 0.7820 | 0.8697 |
| | 2011 | 0.8465 | 0.7962 | 0.8968 |
| | 2012 | 0.8675 | 0.8106 | 0.9247 |

| MEDICAL Linear FITTED | Policy Year | Severity Ratio (Avg Pd & Inc) | Severity Ratio (Incur) | Severity Ratio (Pd-26) |
|------------------------------------|----------------|-------------------------------------|------------------------------|------------------------------|
| 4 Point | 2009 | 0.8525 | 0.8137 | 0.8911 |
| | 2010 | 0.8937 | 0.8502 | 0.9370 |
| | 2011 | 0.9348 | 0.8866 | 0.9829 |
| | 2012 | 0.9760 | 0.9231 | 1.0289 |
| 5 Point | 2008 | 0.8251 | 0.7888 | 0.8614 |
| | 2009 | 0.8617 | 0.8214 | 0.9019 |
| | 2010 | 0.8983 | 0.8540 | 0.9424 |
| | 2011 | 0.9348 | 0.8866 | 0.9829 |
| | 2012 | 0.9714 | 0.9192 | 1.0235 |
| 6 Point | 2007 | 0.8055 | 0.7748 | 0.8360 |
| | 2008 | 0.8374 | 0.8024 | 0.8724 |
| | 2009 | 0.8694 | 0.8299 | 0.9088 |
| | 2010 | 0.9013 | 0.8574 | 0.9452 |
| | 2011 | 0.9333 | 0.8849 | 0.9816 |
| | 2012 | 0.9653 | 0.9124 | 1.0179 |
| 7 Point | 2006 | 0.7549 | 0.7285 | 0.7811 |
| | 2007 | 0.7911 | 0.7603 | 0.8218 |
| | 2008 | 0.8274 | 0.7922 | 0.8624 |
| | 2009 | 0.8636 | 0.8241 | 0.9031 |
| | 2010 | 0.8999 | 0.8559 | 0.9438 |
| | 2011 | 0.9362 | 0.8878 | 0.9844 |
| | 2012 | 0.9724 | 0.9197 | 1.0251 |
| 8 Point | 2005 | 0.7238 | 0.7021 | 0.7455 |
| | 2006 | 0.7590 | 0.7329 | 0.7851 |
| | 2007 | 0.7942 | 0.7636 | 0.8248 |
| | 2008 | 0.8295 | 0.7944 | 0.8644 |
| | 2009 | 0.8647 | 0.8252 | 0.9041 |
| | 2010 | 0.8999 | 0.8559 | 0.9438 |
| | 2011 | 0.9351 | 0.8867 | 0.9834 |
| | 2012 | 0.9704 | 0.9175 | 1.0231 |
| 9 Point | 2004 | 0.7030 | 0.6839 | 0.7222 |
| | 2005 | 0.7357 | 0.7124 | 0.7589 |
| | 2006 | 0.7684 | 0.7410 | 0.7957 |
| | 2007 | 0.8010 | 0.7695 | 0.8325 |
| | 2008 | 0.8337 | 0.7981 | 0.8692 |
| | 2009 | 0.8664 | 0.8266 | 0.9060 |
| | 2010 | 0.8991 | 0.8552 | 0.9428 |
| | 2011 | 0.9317 | 0.8838 | 0.9796 |
| | 2012 | 0.9644 | 0.9123 | 1.0163 |
| 10 Point | 2003 | 0.6679 | 0.6507 | 0.6852 |
| | 2004 | 0.7010 | 0.6800 | 0.7220 |
| | 2005 | 0.7340 | 0.7093 | 0.7588 |
| | 2006 | 0.7671 | 0.7386 | 0.7956 |
| | 2007 | 0.8001 | 0.7678 | 0.8324 |
| | 2008 | 0.8332 | 0.7971 | 0.8692 |
| | 2009 | 0.8663 | 0.8264 | 0.9060 |
| | 2010 | 0.8993 | 0.8557 | 0.9428 |
| | 2011 | 0.9324 | 0.8850 | 0.9796 |
| | 2012 | 0.9654 | 0.9143 | 1.0164 |

| MEDICAL Expon'l FITTED | Policy Year | Severity Ratio (Avg Pd & Inc) | Severity Ratio (Incur) | Severity Ratio (Pd-26) |
|-------------------------------------|----------------|-------------------------------------|------------------------------|------------------------------|
| 4 Point | 2009 | 0.8529 | 0.8139 | 0.8918 |
| | 2010 | 0.8926 | 0.8492 | 0.9358 |
| | 2011 | 0.9340 | 0.8859 | 0.9819 |
| | 2012 | 0.9774 | 0.9243 | 1.0303 |
| 5 Point | 2008 | 0.8266 | 0.7899 | 0.8632 |
| | 2009 | 0.8609 | 0.8207 | 0.9011 |
| | 2010 | 0.8967 | 0.8527 | 0.9406 |
| | 2011 | 0.9340 | 0.8859 | 0.9819 |
| | 2012 | 0.9728 | 0.9205 | 1.0250 |
| 6 Point | 2007 | 0.8078 | 0.7766 | 0.8388 |
| | 2008 | 0.8373 | 0.8022 | 0.8722 |
| | 2009 | 0.8679 | 0.8287 | 0.9070 |
| | 2010 | 0.8996 | 0.8560 | 0.9431 |
| | 2011 | 0.9325 | 0.8842 | 0.9806 |
| | 2012 | 0.9666 | 0.9134 | 1.0197 |
| 7 Point | 2006 | 0.7576 | 0.7305 | 0.7846 |
| | 2007 | 0.7904 | 0.7596 | 0.8211 |
| | 2008 | 0.8247 | 0.7899 | 0.8593 |
| | 2009 | 0.8604 | 0.8214 | 0.8992 |
| | 2010 | 0.8977 | 0.8541 | 0.9411 |
| | 2011 | 0.9366 | 0.8881 | 0.9848 |
| | 2012 | 0.9771 | 0.9235 | 1.0306 |
| 8 Point | 2005 | 0.7282 | 0.7056 | 0.7508 |
| | 2006 | 0.7593 | 0.7330 | 0.7955 |
| | 2007 | 0.7918 | 0.7616 | 0.8218 |
| | 2008 | 0.8256 | 0.7913 | 0.8598 |
| | 2009 | 0.8609 | 0.8221 | 0.8995 |
| | 2010 | 0.8977 | 0.8541 | 0.9411 |
| | 2011 | 0.9360 | 0.8874 | 0.9845 |
| | 2012 | 0.9760 | 0.9219 | 1.0300 |
| 9 Point | 2004 | 0.7090 | 0.6886 | 0.7294 |
| | 2005 | 0.7373 | 0.7137 | 0.7609 |
| | 2006 | 0.7668 | 0.7396 | 0.7938 |
| | 2007 | 0.7974 | 0.7666 | 0.8281 |
| | 2008 | 0.8293 | 0.7945 | 0.8639 |
| | 2009 | 0.8624 | 0.8234 | 0.9012 |
| | 2010 | 0.8969 | 0.8534 | 0.9402 |
| | 2011 | 0.9327 | 0.8845 | 0.9808 |
| | 2012 | 0.9700 | 0.9167 | 1.0232 |
| 10 Point | 2003 | 0.6753 | 0.6566 | 0.6942 |
| | 2004 | 0.7033 | 0.6818 | 0.7250 |
| | 2005 | 0.7325 | 0.7079 | 0.7572 |
| | 2006 | 0.7630 | 0.7351 | 0.7908 |
| | 2007 | 0.7946 | 0.7632 | 0.8259 |
| | 2008 | 0.8276 | 0.7925 | 0.8626 |
| | 2009 | 0.8620 | 0.8229 | 0.9009 |
| | 2010 | 0.8978 | 0.8545 | 0.9409 |
| | 2011 | 0.9350 | 0.8872 | 0.9826 |
| | 2012 | 0.9738 | 0.9213 | 1.0263 |

| INDEMNITY Linear RESIDUALS | Policy Year | Severity Ratio (Avg Pd & Inc) | Severity Ratio (Incur) | Severity Ratio (Pd-26) |
|----------------------------------|----------------|-------------------------------------|------------------------------|------------------------------|
| 4 Point | 2009 | 0.0050 | 0.0030 | 0.0070 |
| | 2010 | -0.0080 | -0.0053 | -0.0108 |
| | 2011 | 0.0010 | 0.0015 | 0.0006 |
| | 2012 | 0.0020 | 0.0008 | 0.0032 |
| 5 Point | 2008 | 0.0098 | 0.0079 | 0.0118 |
| | 2009 | -0.0048 | -0.0048 | -0.0048 |
| | 2010 | -0.0129 | -0.0093 | -0.0167 |
| | 2011 | 0.0010 | 0.0015 | 0.0006 |
| | 2012 | 0.0069 | 0.0047 | 0.0091 |
| 6 Point | 2007 | -0.0079 | -0.0064 | -0.0095 |
| | 2008 | 0.0161 | 0.0130 | 0.0193 |
| | 2009 | -0.0008 | -0.0016 | 0.0000 |
| | 2010 | -0.0113 | -0.0080 | -0.0148 |
| | 2011 | 0.0002 | 0.0009 | -0.0003 |
| | 2012 | 0.0037 | 0.0021 | 0.0053 |
| 7 Point | 2006 | -0.0295 | -0.0288 | -0.0300 |
| | 2007 | 0.0117 | 0.0129 | 0.0105 |
| | 2008 | 0.0298 | 0.0264 | 0.0334 |
| | 2009 | 0.0070 | 0.0060 | 0.0080 |
| | 2010 | -0.0094 | -0.0061 | -0.0128 |
| | 2011 | -0.0037 | -0.0030 | -0.0044 |
| | 2012 | -0.0061 | -0.0075 | -0.0047 |
| 8 Point | 2005 | -0.0151 | -0.0181 | -0.0123 |
| | 2006 | -0.0208 | -0.0185 | -0.0230 |
| | 2007 | 0.0182 | 0.0206 | 0.0158 |
| | 2008 | 0.0341 | 0.0316 | 0.0369 |
| | 2009 | 0.0092 | 0.0086 | 0.0097 |
| | 2010 | -0.0094 | -0.0061 | -0.0128 |
| | 2011 | -0.0058 | -0.0055 | -0.0061 |
| | 2012 | -0.0104 | -0.0126 | -0.0082 |
| 9 Point | 2004 | 0.0070 | 0.0058 | 0.0083 |
| | 2005 | -0.0186 | -0.0210 | -0.0164 |
| | 2006 | -0.0236 | -0.0208 | -0.0263 |
| | 2007 | 0.0162 | 0.0189 | 0.0134 |
| | 2008 | 0.0329 | 0.0306 | 0.0354 |
| | 2009 | 0.0087 | 0.0082 | 0.0091 |
| | 2010 | -0.0091 | -0.0059 | -0.0125 |
| | 2011 | -0.0048 | -0.0047 | -0.0049 |
| | 2012 | -0.0086 | -0.0112 | -0.0061 |
| 10 Point | 2003 | -0.0076 | -0.0146 | -0.0008 |
| | 2004 | 0.0104 | 0.0123 | 0.0086 |
| | 2005 | -0.0158 | -0.0157 | -0.0162 |
| | 2006 | -0.0215 | -0.0168 | -0.0260 |
| | 2007 | 0.0177 | 0.0218 | 0.0136 |
| | 2008 | 0.0337 | 0.0322 | 0.0355 |
| | 2009 | 0.0089 | 0.0086 | 0.0092 |
| | 2010 | -0.0096 | -0.0067 | -0.0125 |
| | 2011 | -0.0059 | -0.0067 | -0.0050 |
| | 2012 | -0.0103 | -0.0144 | -0.0063 |

| INDEMNITY Expon'l RESIDUALS | Policy Year | Severity Ratio (Avg Pd & Inc) | Severity Ratio (Incur) | Severity Ratio (Pd-26) |
|--|----------------|-------------------------------------|------------------------------|------------------------------|
| 4 Point | 2009 | 0.0049 | 0.0030 | 0.0067 |
| | 2010 | -0.0079 | -0.0053 | -0.0106 |
| | 2011 | 0.0012 | 0.0016 | 0.0009 |
| | 2012 | 0.0019 | 0.0008 | 0.0031 |
| 5 Point | 2008 | 0.0096 | 0.0079 | 0.0113 |
| | 2009 | -0.0047 | -0.0048 | -0.0047 |
| | 2010 | -0.0128 | -0.0092 | -0.0164 |
| | 2011 | 0.0012 | 0.0016 | 0.0009 |
| | 2012 | 0.0069 | 0.0047 | 0.0091 |
| 6 Point | 2007 | -0.0081 | -0.0064 | -0.0100 |
| | 2008 | 0.0162 | 0.0130 | 0.0196 |
| | 2009 | -0.0006 | -0.0016 | 0.0005 |
| | 2010 | -0.0111 | -0.0079 | -0.0142 |
| | 2011 | 0.0003 | 0.0009 | -0.0002 |
| | 2012 | 0.0035 | 0.0021 | 0.0047 |
| 7 Point | 2006 | -0.0293 | -0.0284 | -0.0303 |
| | 2007 | 0.0125 | 0.0134 | 0.0115 |
| | 2008 | 0.0309 | 0.0270 | 0.0350 |
| | 2009 | 0.0080 | 0.0065 | 0.0096 |
| | 2010 | -0.0089 | -0.0059 | -0.0119 |
| | 2011 | -0.0041 | -0.0032 | -0.0049 |
| | 2012 | -0.0077 | -0.0083 | -0.0074 |
| 8 Point | 2005 | -0.0154 | -0.0178 | -0.0135 |
| | 2006 | -0.0201 | -0.0178 | -0.0222 |
| | 2007 | 0.0196 | 0.0215 | 0.0177 |
| | 2008 | 0.0357 | 0.0325 | 0.0392 |
| | 2009 | 0.0104 | 0.0092 | 0.0118 |
| | 2010 | -0.0089 | -0.0059 | -0.0119 |
| | 2011 | -0.0067 | -0.0061 | -0.0073 |
| | 2012 | -0.0130 | -0.0140 | -0.0122 |
| 9 Point | 2004 | 0.0059 | 0.0056 | 0.0059 |
| | 2005 | -0.0184 | -0.0206 | -0.0165 |
| | 2006 | -0.0225 | -0.0201 | -0.0247 |
| | 2007 | 0.0178 | 0.0198 | 0.0159 |
| | 2008 | 0.0345 | 0.0314 | 0.0381 |
| | 2009 | 0.0099 | 0.0088 | 0.0113 |
| | 2010 | -0.0087 | -0.0057 | -0.0117 |
| | 2011 | -0.0057 | -0.0052 | -0.0062 |
| | 2012 | -0.0112 | -0.0125 | -0.0104 |
| 10 Point | 2003 | -0.0094 | -0.0151 | -0.0043 |
| | 2004 | 0.0103 | 0.0125 | 0.0079 |
| | 2005 | -0.0148 | -0.0149 | -0.0149 |
| | 2006 | -0.0197 | -0.0156 | -0.0234 |
| | 2007 | 0.0198 | 0.0230 | 0.0168 |
| | 2008 | 0.0357 | 0.0333 | 0.0386 |
| | 2009 | 0.0102 | 0.0093 | 0.0114 |
| | 2010 | -0.0093 | -0.0066 | -0.0120 |
| | 2011 | -0.0073 | -0.0076 | -0.0070 |
| | 2012 | -0.0138 | -0.0164 | -0.0116 |

| MEDICAL Linear RESIDUALS | Policy Year | Severity Ratio (Avg Pd & Inc) | Severity Ratio (Incur) | Severity Ratio (Pd-26) |
|---------------------------------------|----------------|-------------------------------------|------------------------------|------------------------------|
| 4 Point | 2009 | -0.0061 | -0.0092 | -0.0030 |
| | 2010 | 0.0031 | 0.0087 | -0.0023 |
| | 2011 | 0.0120 | 0.0103 | 0.0136 |
| | 2012 | -0.0090 | -0.0097 | -0.0083 |
| 5 Point | 2008 | 0.0092 | 0.0077 | 0.0108 |
| | 2009 | -0.0153 | -0.0169 | -0.0138 |
| | 2010 | -0.0015 | 0.0048 | -0.0077 |
| | 2011 | 0.0120 | 0.0103 | 0.0136 |
| | 2012 | -0.0044 | -0.0059 | -0.0029 |
| 6 Point | 2007 | 0.0154 | 0.0170 | 0.0138 |
| | 2008 | -0.0031 | -0.0059 | -0.0002 |
| | 2009 | -0.0230 | -0.0254 | -0.0207 |
| | 2010 | -0.0045 | 0.0014 | -0.0105 |
| | 2011 | 0.0135 | 0.0120 | 0.0149 |
| | 2012 | 0.0017 | 0.0009 | 0.0027 |
| 7 Point | 2006 | -0.0215 | -0.0218 | -0.0213 |
| | 2007 | 0.0298 | 0.0315 | 0.0280 |
| | 2008 | 0.0069 | 0.0043 | 0.0098 |
| | 2009 | -0.0172 | -0.0196 | -0.0150 |
| | 2010 | -0.0031 | 0.0029 | -0.0091 |
| | 2011 | 0.0106 | 0.0091 | 0.0121 |
| | 2012 | -0.0054 | -0.0064 | -0.0045 |
| 8 Point | 2005 | 0.0073 | 0.0077 | 0.0069 |
| | 2006 | -0.0257 | -0.0262 | -0.0253 |
| | 2007 | 0.0267 | 0.0282 | 0.0250 |
| | 2008 | 0.0048 | 0.0021 | 0.0078 |
| | 2009 | -0.0183 | -0.0207 | -0.0160 |
| | 2010 | -0.0031 | 0.0029 | -0.0091 |
| | 2011 | 0.0117 | 0.0102 | 0.0131 |
| | 2012 | -0.0033 | -0.0042 | -0.0025 |
| 9 Point | 2004 | 0.0238 | 0.0206 | 0.0269 |
| | 2005 | -0.0046 | -0.0026 | -0.0065 |
| | 2006 | -0.0351 | -0.0343 | -0.0359 |
| | 2007 | 0.0199 | 0.0223 | 0.0173 |
| | 2008 | 0.0006 | -0.0016 | 0.0030 |
| | 2009 | -0.0200 | -0.0221 | -0.0179 |
| | 2010 | -0.0023 | 0.0036 | -0.0081 |
| | 2011 | 0.0151 | 0.0131 | 0.0169 |
| | 2012 | 0.0026 | 0.0010 | 0.0043 |
| 10 Point | 2003 | -0.0046 | -0.0087 | -0.0004 |
| | 2004 | 0.0258 | 0.0245 | 0.0271 |
| | 2005 | -0.0029 | 0.0005 | -0.0064 |
| | 2006 | -0.0338 | -0.0319 | -0.0358 |
| | 2007 | 0.0208 | 0.0240 | 0.0174 |
| | 2008 | 0.0011 | -0.0006 | 0.0030 |
| | 2009 | -0.0199 | -0.0219 | -0.0179 |
| | 2010 | -0.0025 | 0.0031 | -0.0081 |
| | 2011 | 0.0144 | 0.0119 | 0.0169 |
| | 2012 | 0.0016 | -0.0010 | 0.0042 |

| MEDICAL Expon'l RESIDUALS | Policy Year | Severity Ratio (Avg Pd & Inc) | Severity Ratio (Incur) | Severity Ratio (Pd-26) |
|--|----------------|-------------------------------------|------------------------------|------------------------------|
| 4 Point | 2009 | -0.0065 | -0.0094 | -0.0037 |
| | 2010 | 0.0042 | 0.0096 | -0.0011 |
| | 2011 | 0.0128 | 0.0110 | 0.0146 |
| | 2012 | -0.0104 | -0.0110 | -0.0097 |
| 5 Point | 2008 | 0.0077 | 0.0066 | 0.0090 |
| | 2009 | -0.0145 | -0.0162 | -0.0130 |
| | 2010 | 0.0001 | 0.0061 | -0.0059 |
| | 2011 | 0.0128 | 0.0110 | 0.0146 |
| | 2012 | -0.0058 | -0.0072 | -0.0044 |
| 6 Point | 2007 | 0.0131 | 0.0152 | 0.0110 |
| | 2008 | -0.0030 | -0.0057 | 0.0000 |
| | 2009 | -0.0215 | -0.0242 | -0.0189 |
| | 2010 | -0.0028 | 0.0028 | -0.0084 |
| | 2011 | 0.0143 | 0.0127 | 0.0159 |
| | 2012 | 0.0004 | -0.0001 | 0.0009 |
| 7 Point | 2006 | -0.0243 | -0.0238 | -0.0248 |
| | 2007 | 0.0305 | 0.0322 | 0.0287 |
| | 2008 | 0.0096 | 0.0066 | 0.0129 |
| | 2009 | -0.0140 | -0.0169 | -0.0111 |
| | 2010 | -0.0009 | 0.0047 | -0.0064 |
| | 2011 | 0.0102 | 0.0088 | 0.0117 |
| | 2012 | -0.0101 | -0.0102 | -0.0100 |
| 8 Point | 2005 | 0.0029 | 0.0042 | 0.0016 |
| | 2006 | -0.0260 | -0.0263 | -0.0257 |
| | 2007 | 0.0291 | 0.0302 | 0.0280 |
| | 2008 | 0.0087 | 0.0052 | 0.0124 |
| | 2009 | -0.0145 | -0.0176 | -0.0114 |
| | 2010 | -0.0009 | 0.0047 | -0.0064 |
| | 2011 | 0.0108 | 0.0095 | 0.0120 |
| | 2012 | -0.0090 | -0.0086 | -0.0094 |
| 9 Point | 2004 | 0.0178 | 0.0159 | 0.0197 |
| | 2005 | -0.0062 | -0.0039 | -0.0085 |
| | 2006 | -0.0335 | -0.0329 | -0.0340 |
| | 2007 | 0.0235 | 0.0252 | 0.0217 |
| | 2008 | 0.0050 | 0.0020 | 0.0083 |
| | 2009 | -0.0160 | -0.0189 | -0.0131 |
| | 2010 | -0.0001 | 0.0054 | -0.0055 |
| | 2011 | 0.0141 | 0.0124 | 0.0157 |
| | 2012 | -0.0030 | -0.0034 | -0.0026 |
| 10 Point | 2003 | -0.0120 | -0.0146 | -0.0094 |
| | 2004 | 0.0235 | 0.0227 | 0.0241 |
| | 2005 | -0.0014 | 0.0019 | -0.0048 |
| | 2006 | -0.0297 | -0.0284 | -0.0310 |
| | 2007 | 0.0263 | 0.0286 | 0.0239 |
| | 2008 | 0.0067 | 0.0040 | 0.0096 |
| | 2009 | -0.0156 | -0.0184 | -0.0128 |
| | 2010 | -0.0010 | 0.0043 | -0.0062 |
| | 2011 | 0.0118 | 0.0097 | 0.0139 |
| | 2012 | -0.0068 | -0.0080 | -0.0057 |