

**Addendum to “MPI Rate Risk Management and the RSR” Concerning Equities Decline Scenario and the TSX Returns Data Provided by MPI in PUB (MPI) 1-60**

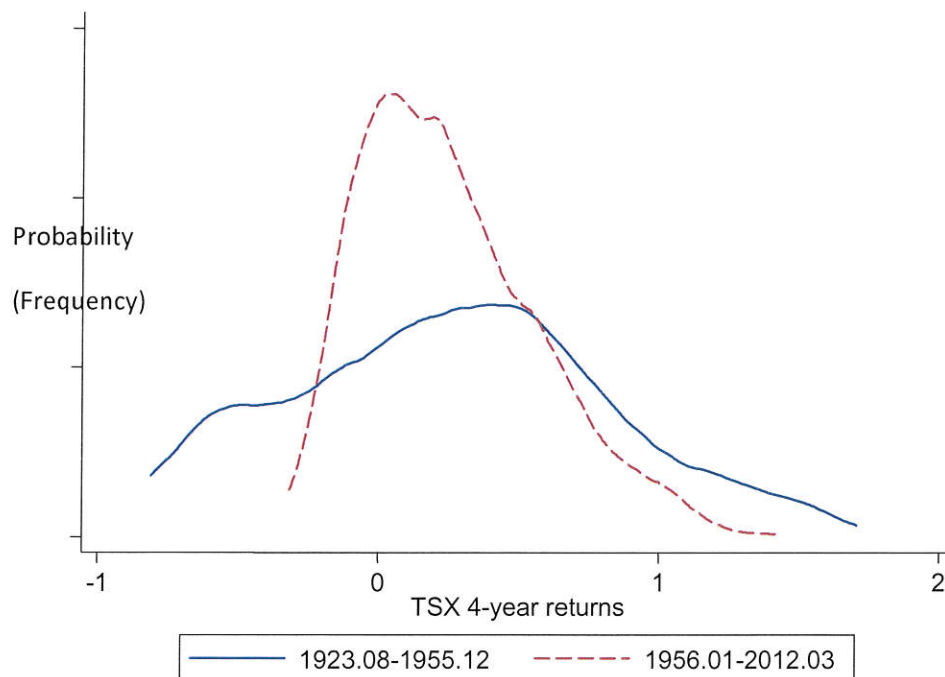
My report on “Manitoba Public Insurance Rate Risk Management and the Rate Stabilization Reserve” examined publicly available evidence on 4-year returns to equities defined by the TSXSP index. It concluded that:

“One value in seeing the four year return calculations in that they can be linked to specific stock market episodes. Is it the case, for example, that the five lowest four year returns all occur during a much earlier period, like the Great Depression, when macroeconomic stabilization was more primitive? One lesson from the Great Recession of 2007-2009 appears to be that governments have learned something about dealing with financial crises (i.e. don't let the major financial institutions fail) that limits the size of stock market crashes. In statistical terms, like any time series, there may be trend (i.e. predictable) components to stock market returns as well as true (i.e. unpredictable) volatility, but the volatility may be declining over time. If that is the case, the risk associated with equity portfolios would be overestimated by relying on old stock market outcomes. A limited amount of more recent data, or a more careful statistical analysis of the entire period from 1919 to the present, may be more useful to anticipate the size of a declining equities scenario that is likely to occur only once in 20 four-year periods (5% of the time) in the modern stock market.” (p.13)

PUB (MPI) 1-60 provides the actual four-year TSXSP returns used by MPI to justify the Equities Decline scenario in their amended DCAT report of August 3, 2012. This data can provide further information about the differences between “old stock market outcomes” and more recent outcomes and how the more recent data “may be more useful to anticipate the size of a declining equities scenario that is likely to occur only once in 20 four-year periods (5% of the time) in the modern stock market.” I analyze the data in three ways to help understand the differences between older and more recent stock market returns on the TSXSP exchange, using the cut off of 1956 (the start of publicly available TSXSP data in Statistics Canada's Cansim data base) from my earlier report. First, I present a picture of the distribution of returns for the older (up to 1956) and newer (since 1956) four-year stock market returns. Second, I calculate the basic descriptive statistics, the mean and variance, for the older and newer returns and test for differences. Finally, I calculate the fifth percentile lowest return for the entire period and compare this adverse event to the 5<sup>th</sup> percentile lowest return for the older and newer periods.

### 1. Visual Comparison of the Distributions of 4-year returns, 1923-55 vs. 1956-2012

The data allows us to examine the distribution of monthly returns for the older period (from August, 1923 to December, 1955, allowing for 4-year returns that begin with data for 1919) and the newer period (from January, 1956 to March, 2012). This is done in the chart below, using a standard (kernel density) smoothing technique to illustrate the general pattern of the two distributions. This allows us to obtain a visual perspective of the most adverse outcomes represented by the left-hand tails of each distribution.



What we see in the chart is that the older returns, represented by the solid curve, are much more spread out than the more recent returns, represented by the dashed curve. We also see that, as a consequence of this greater spread, the older returns would produce adverse events that are much lower than would be produced for the newer returns. This would include the 5<sup>th</sup> percentile return (for which 5% of the returns would be lower returns and 95% would be higher), which would have a much lower value (much worse return) for the TSXSP prior to 1956 than subsequently. We can quantify the spread of the two curves using standard descriptive statistics.

## 2. The Basic Descriptive Statistics Comparing the Newer and Older Returns

The table below calculates the mean and standard deviation of the newer and older returns data represented by the two distributions in the chart above. It also provides standard test statistics for the hypotheses that the means and standard deviations of the two samples (the older returns sample and the newer returns sample) are the same.

Time period	Mean	Test of equality of means	Standard Deviation	Test of equality of std deviations
1923.08-1955.12	0.2516	t=0.0224 (p=0.98)	0.5577	F= 3.1781 (p= 0.00)
1956.01-2012.03	0.2510		0.3128	

We find that the two distributions have virtually identical mean four-year stock market returns of about 25%. A test of this hypothesis resoundingly rejects the hypothesis that the means differ (p=0.98). (The p-statistic or exact significance level indicates that we cannot accept the hypothesis that the means are the same at less than a 98% level of significance, where 5% is the conventional standard.) But we also find that the two distributions have very different standard deviations, measuring the spread of returns about the mean. Whereas the standard deviation is 0.56 for the older data (1923.08-1955.12), it is only 0.31 for the more recent returns (1956.01-2012.03). This substantial difference is statistically significant (p=0.00); that is, there is less than a 1% chance that these standard deviations are the same. There was a significantly greater spread of returns about the mean return (25%) prior to 1956 than after 1956. Since the mean return was the same in each period, we would conclude that there was greater risk in stock market investment in the past. This means that there was a greater likelihood of adverse events associated with large negative returns for stock market investors prior to 1956.

## 3. Fifth Percentile Adverse Events From Past and Present TSXSP Returns

Because the spread of returns is much greater in the older TSXSP returns data, the definition of an adverse event based on the 5<sup>th</sup> percentile of returns from that data will be much more severe (a larger negative return). In the table below we show the 5<sup>th</sup> percentile result for the entire data set used by MPI to justify their Equities Decline scenario, but we also show the same 5<sup>th</sup> percentile result for the older and newer returns data separately. The data series, sorted in ascending order to identify the 5<sup>th</sup> percentile return (highlighted), are presented at the end of this document.

	Observations	5 <sup>th</sup> percentile observation	5 <sup>th</sup> percentile "adverse event"
1923.08-2012.03	1,064	53	-43.90%
1923.08-1955.12	389	19	-64.81%
1956.01-2012.03	675	34	-16.43%

For the entire data set of 1,064 4-year TSXSP returns provided in PUB (MPI) 1-60, the 5<sup>th</sup> percentile result (the 53<sup>rd</sup> lowest observation or 53<sup>rd</sup> worst stock market return outcome) is -43.90%, as found by MPI and reported in their DCAT report. But, as I argued in my report, this is primarily based on evidence from the older period prior to 1956. For that period of 389 observations, the 5<sup>th</sup> percentile observation (19<sup>th</sup> worst return) is -64.81%. This arises because the older data has greater spread (a larger standard deviation), reflecting much larger adverse outcomes.

In contrast, for the newer period since 1956 involving 675 observations the 5<sup>th</sup> percentile observation (34<sup>th</sup> worst) return is only -16.43%, not too different from the figure of -15.1% in my report, derived from calculating returns using the annual average TSXSP index. Again, this much better outcome for investors reflects the much smaller spread (smaller standard deviation) in the newer data. As I argued in my report, it makes sense to rely on more recent stock market returns, for which there is plenty of data, to capture the improved stability of the modern economy and its ability to counteract financial crises such as the recent Great Recession. Including older stock market data yields an Equities Decline scenario that overstates the investment risk faced by MPI, according to the accepted definition of the adverse event (the 5<sup>th</sup> percentile of 4-year stock market returns), and therefore overstates the Rate Stabilization Reserve required to protect ratepayers from this risk.

Sorted 4-Year TSXSP Returns:

All Data 1923-2012	Data to 1955.12	Data from 1956.01
1933.02 -80.91%	1933.02 -80.91%	1977.1 -31.65%
1933.03 -79.29%	1933.03 -79.29%	2004.08 -29.39%
1933.01 -79.22%	1933.01 -79.22%	1976.11 -28.09%
1932.12 -77.38%	1932.12 -77.38%	1977.01 -25.56%
1933.04 -77.22%	1933.04 -77.22%	1977.09 -25.23%
1932.05 -76.85%	1932.05 -76.85%	1978.02 -24.68%
1932.11 -76.51%	1932.11 -76.51%	2011.09 -23.65%
1932.06 -76.32%	1932.06 -76.32%	1977.02 -23.42%
1932.1 -73.73%	1932.1 -73.73%	2004.07 -23.16%
1932.07 -73.17%	1932.07 -73.17%	1976.12 -23.12%
1933.05 -71.83%	1933.05 -71.83%	1977.03 -23.10%
1932.04 -70.93%	1932.04 -70.93%	1978.01 -23.10%
1933.09 -70.46%	1933.09 -70.46%	1960.07 -22.80%
1933.08 -69.05%	1933.08 -69.05%	2011.1 -22.48%
1933.1 -68.89%	1933.1 -68.89%	1977.04 -21.91%
1932.09 -67.85%	1932.09 -67.85%	1977.08 -21.70%
1932.08 -67.65%	1932.08 -67.65%	2009.02 -21.07%
1933.06 -67.12%	1933.06 -67.12%	1977.07 -20.80%
1933.07 -64.81%	1933.07 -64.81%	2004.06 -20.77%
1932.03 -63.28%	1932.03 -63.28%	2004.09 -20.58%
1932.01 -62.84%	1932.01 -62.84%	2011.12 -19.85%
1932.02 -62.76%	1932.02 -62.76%	1977.05 -19.28%
1934.04 -61.64%	1934.04 -61.64%	1991.09 -18.96%
1931.12 -61.50%	1931.12 -61.50%	1977.11 -18.94%
1933.12 -61.21%	1933.12 -61.21%	1991.07 -17.98%
1934.05 -60.85%	1934.05 -60.85%	1978.03 -17.79%
1934.07 -60.72%	1934.07 -60.72%	1991.08 -17.73%
1933.11 -59.97%	1933.11 -59.97%	1976.1 -17.52%
1934.03 -59.92%	1934.03 -59.92%	1976.09 -17.48%
1931.1 -59.17%	1931.1 -59.17%	2011.11 -17.31%
1934.01 -57.87%	1934.01 -57.87%	1976.08 -17.10%
1934.09 -57.60%	1934.09 -57.60%	1960.04 -17.03%
1941.02 -57.51%	1941.02 -57.51%	2004.04 -16.98%
1934.02 -56.90%	1934.02 -56.90%	1977.12 -16.43%
1941.03 -56.86%	1941.03 -56.86%	1960.03 -16.30%
1934.06 -56.67%	1934.06 -56.67%	1977.06 -16.29%
1941.05 -55.91%	1941.05 -55.91%	1974.12 -16.01%
1931.11 -55.51%	1931.11 -55.51%	1960.08 -15.98%
1931.09 -55.43%	1931.09 -55.43%	1960.06 -15.46%
1934.08 -55.11%	1934.08 -55.11%	2009.03 -14.98%

1941.04	-53.85%	1941.04	-53.85%	1960.09	-14.92%
1941.06	-52.50%	1941.06	-52.50%	2004.03	-14.52%
1941.07	-52.34%	1941.07	-52.34%	2004.05	-14.37%
1941.01	-51.70%	1941.01	-51.70%	2002.07	-13.88%
1941.08	-50.97%	1941.08	-50.97%	2012.03	-13.85%
1934.1	-50.07%	1934.1	-50.07%	1991.06	-13.67%
1940.12	-47.70%	1940.12	-47.70%	2012.02	-13.60%
1934.11	-46.94%	1934.11	-46.94%	2010.01	-13.41%
1935.03	-46.77%	1935.03	-46.77%	1974.09	-13.25%
1940.11	-45.48%	1940.11	-45.48%	2011.07	-13.20%
1935.02	-45.18%	1935.02	-45.18%	1974.11	-13.13%
1940.06	-44.35%	1940.06	-44.35%	1976.07	-13.08%
1940.1	-43.90%	1940.1	-43.90%	2011.08	-13.08%
1931.08	-42.91%	1931.08	-42.91%	1991.04	-13.02%
1940.05	-41.86%	1940.05	-41.86%	1960.1	-12.92%
1935.01	-41.82%	1935.01	-41.82%	1991.03	-12.88%
1940.07	-41.42%	1940.07	-41.42%	2004.1	-12.27%
1934.12	-40.79%	1934.12	-40.79%	2002.06	-12.23%
1941.09	-40.70%	1941.09	-40.70%	2012.01	-12.18%
1931.06	-40.12%	1931.06	-40.12%	2001.09	-12.07%
1942.07	-39.92%	1942.07	-39.92%	2003.04	-12.04%
1942.02	-39.74%	1942.02	-39.74%	2009.01	-11.14%
1931.05	-39.56%	1931.05	-39.56%	2011.06	-11.02%
1940.09	-39.13%	1940.09	-39.13%	1960.05	-10.94%
1940.08	-39.02%	1940.08	-39.02%	1993.01	-10.67%
1941.1	-38.32%	1941.1	-38.32%	1976.06	-10.57%
1931.07	-37.92%	1931.07	-37.92%	1991.05	-10.34%
1935.04	-37.72%	1935.04	-37.72%	2003.03	-10.03%
1942.01	-36.87%	1942.01	-36.87%	1976.05	-10.00%
1942.1	-36.74%	1942.1	-36.74%	1976.02	-9.99%
1942.06	-36.42%	1942.06	-36.42%	1975.12	-9.94%
1942.08	-35.77%	1942.08	-35.77%	1960.02	-9.80%
1942.04	-35.56%	1942.04	-35.56%	1976.01	-9.80%
1942.09	-33.88%	1942.09	-33.88%	1970.06	-9.53%
1941.12	-33.25%	1941.12	-33.25%	2010.06	-9.47%
1941.11	-32.59%	1941.11	-32.59%	2002.04	-9.35%
1977.1	-31.65%	1942.11	-31.20%	2004.02	-9.34%
1942.11	-31.20%	1942.05	-30.22%	1976.03	-9.33%
1942.05	-30.22%	1942.12	-29.25%	1984.07	-9.06%
2004.08	-29.39%	1942.03	-26.06%	1991.01	-9.05%
1942.12	-29.25%	1931.04	-25.43%	2001.1	-8.87%
1976.11	-28.09%	1940.02	-22.85%	2003.01	-8.87%
1942.03	-26.06%	1940.01	-21.75%	1975.03	-8.84%

1977.01	-25.56%	1935.07	-21.55%	2011.05	-8.59%
1931.04	-25.43%	1943.02	-20.85%	2002.05	-8.53%
1977.09	-25.23%	1935.05	-20.54%	2008.12	-8.52%
1978.02	-24.68%	1943.01	-20.08%	1976.04	-8.50%
2011.09	-23.65%	1935.06	-19.86%	1984.11	-8.21%
1977.02	-23.42%	1938.03	-19.62%	2010.08	-8.19%
2004.07	-23.16%	1935.08	-19.46%	2003.12	-8.12%
1976.12	-23.12%	1940.03	-18.24%	1970.05	-8.08%
1977.03	-23.10%	1940.04	-15.97%	1991.02	-7.97%
1978.01	-23.10%	1939.08	-15.84%	2010.07	-7.89%
1940.02	-22.85%	1943.12	-15.83%	1978.04	-7.48%
1960.07	-22.80%	1939.11	-15.55%	2010.03	-7.40%
2011.1	-22.48%	1943.11	-13.48%	2010.02	-7.31%
1977.04	-21.91%	1943.1	-12.16%	2009.04	-6.90%
1940.01	-21.75%	1931.03	-12.15%	2010.04	-6.80%
1977.08	-21.70%	1939.12	-11.98%	1960.12	-6.79%
1935.07	-21.55%	1944.03	-11.36%	2003.06	-6.71%
2009.02	-21.07%	1943.03	-10.40%	2010.05	-6.70%
1943.02	-20.85%	1938.04	-10.35%	1975.01	-6.24%
1977.07	-20.80%	1930.12	-10.21%	2003.05	-6.11%
2004.06	-20.77%	1944.01	-10.17%	2002.1	-6.03%
2004.09	-20.58%	1931.02	-10.10%	1990.1	-5.92%
1935.05	-20.54%	1944.02	-10.03%	1975.04	-5.90%
1943.01	-20.08%	1931.01	-9.79%	2002.03	-5.79%
1935.06	-19.86%	1944.04	-9.58%	1993.02	-5.64%
2011.12	-19.85%	1939.06	-9.41%	2004.01	-5.58%
1938.03	-19.62%	1943.05	-8.29%	2005.01	-5.43%
1935.08	-19.46%	1943.04	-7.10%	2010.11	-5.42%
1977.05	-19.28%	1939.07	-7.04%	2009.08	-5.06%
1991.09	-18.96%	1938.05	-6.92%	2002.12	-4.86%
1977.11	-18.94%	1943.09	-6.26%	1960.11	-4.43%
1940.03	-18.24%	1939.04	-5.20%	2010.1	-4.41%
1991.07	-17.98%	1939.05	-4.88%	1992.1	-4.21%
1978.03	-17.79%	1939.1	-4.58%	1973.05	-4.20%
1991.08	-17.73%	1930.11	-4.36%	1959.09	-4.12%
1976.1	-17.52%	1935.09	-3.61%	2003.07	-4.07%
1976.09	-17.48%	1938.02	-2.66%	1990.11	-4.06%
2011.11	-17.31%	1939.03	-2.55%	1992.06	-4.06%
1976.08	-17.10%	1943.07	-2.50%	1970.07	-3.89%
1960.04	-17.03%	1923.1	-2.47%	1975.02	-3.65%
2004.04	-16.98%	1939.09	-1.57%	2009.09	-3.62%
1977.12	-16.43%	1924.04	-1.36%	1992.12	-3.59%
1960.03	-16.30%	1930.1	-1.27%	2009.07	-3.57%

1977.06	-16.29%	1923.11	-1.00%	1975.09	-3.50%
1974.12	-16.01%	1938.01	-0.57%	2002.11	-3.40%
1960.08	-15.98%	1943.06	-0.47%	2008.11	-3.36%
1940.04	-15.97%	1924.08	-0.18%	2011.04	-3.35%
1939.08	-15.84%	1939.01	0.04%	1960.01	-3.25%
1943.12	-15.83%	1924.05	0.25%	2011.01	-3.24%
1939.11	-15.55%	1924.07	1.13%	2010.12	-3.08%
1960.06	-15.46%	1924.06	1.29%	2003.02	-2.86%
2009.03	-14.98%	1923.12	1.99%	2009.12	-2.84%
1960.09	-14.92%	1939.02	2.40%	1992.11	-2.82%
2004.03	-14.52%	1924.03	2.43%	1971.1	-2.79%
2004.05	-14.37%	1949.06	2.56%	1974.1	-2.62%
2002.07	-13.88%	1924.09	2.74%	1971.11	-2.56%
2012.03	-13.85%	1923.09	3.48%	1993.07	-2.51%
1991.06	-13.67%	1924.02	3.91%	2002.02	-2.49%
2012.02	-13.60%	1950.01	4.00%	1984.1	-2.43%
1943.11	-13.48%	1924.01	4.14%	2009.06	-2.43%
2010.01	-13.41%	1937.11	4.35%	1992.04	-2.26%
1974.09	-13.25%	1924.1	4.58%	2003.11	-2.24%
2011.07	-13.20%	1938.06	4.99%	1961.01	-2.20%
1974.11	-13.13%	1937.12	5.48%	2010.09	-2.19%
1976.07	-13.08%	1949.05	5.83%	1992.09	-2.13%
2011.08	-13.08%	1943.08	6.81%	2009.1	-2.04%
1991.04	-13.02%	1950.03	7.49%	1971.09	-2.00%
1960.1	-12.92%	1935.11	7.60%	2004.11	-2.00%
1991.03	-12.88%	1923.08	7.73%	1959.11	-1.98%
2004.1	-12.27%	1938.12	8.14%	1975.05	-1.81%
2002.06	-12.23%	1950.06	8.23%	1993.03	-1.77%
2012.01	-12.18%	1950.02	9.28%	1984.09	-1.66%
1943.1	-12.16%	1950.04	9.31%	1990.09	-1.59%
1931.03	-12.15%	1938.08	9.55%	1990.12	-1.52%
2001.09	-12.07%	1949.07	10.34%	2009.11	-1.44%
2003.04	-12.04%	1949.08	10.94%	1975.1	-1.43%
1939.12	-11.98%	1935.1	11.01%	1993.09	-1.38%
1944.03	-11.36%	1938.09	11.10%	1984.12	-1.35%
2009.01	-11.14%	1950.05	11.16%	1975.06	-1.28%
2011.06	-11.02%	1938.11	11.18%	1970.04	-1.01%
1960.05	-10.94%	1949.12	12.01%	2004.12	-0.95%
1993.01	-10.67%	1949.09	12.21%	1975.08	-0.81%
1976.06	-10.57%	1950.07	13.14%	1992.07	-0.61%
1943.03	-10.40%	1937.09	14.49%	1959.12	-0.59%
1938.04	-10.35%	1930.08	14.59%	2011.03	-0.30%
1991.05	-10.34%	1924.11	14.82%	2003.09	-0.23%



1930.12	-10.21%	1949.11	14.93%	1975.07	-0.18%
1944.01	-10.17%	1949.04	16.31%	1984.08	-0.09%
1931.02	-10.10%	1949.1	16.40%	1992.03	0.17%
1944.02	-10.03%	1930.09	16.49%	2003.1	0.18%
2003.03	-10.03%	1949.02	17.35%	1984.02	0.44%
1976.05	-10.00%	1925.01	17.63%	2009.05	0.48%
1976.02	-9.99%	1924.12	17.96%	1984.06	0.49%
1975.12	-9.94%	1937.1	17.99%	1974.08	0.56%
1960.02	-9.80%	1938.1	19.71%	1993.08	0.60%
1976.01	-9.80%	1944.09	20.10%	2011.02	0.76%
1931.01	-9.79%	1925.02	20.58%	2003.08	0.79%
1944.04	-9.58%	1944.1	20.89%	1975.11	0.95%
1970.06	-9.53%	1935.12	21.52%	1992.08	0.97%
2010.06	-9.47%	1944.11	23.77%	1990.04	1.11%
1939.06	-9.41%	1949.03	23.77%	1959.08	1.25%
2002.04	-9.35%	1925.03	25.35%	2001.07	1.35%
2004.02	-9.34%	1930.07	25.39%	2001.08	1.44%
1976.03	-9.33%	1938.07	25.76%	1992.05	1.46%
1984.07	-9.06%	1955.01	25.96%	1993.04	1.80%
1991.01	-9.05%	1944.12	26.89%	1993.05	2.06%
2001.1	-8.87%	1950.08	26.94%	1959.1	2.07%
2003.01	-8.87%	1944.08	27.09%	2002.09	2.30%
1975.03	-8.84%	1925.04	27.22%	1990.08	2.71%
2011.05	-8.59%	1955.02	27.26%	1993.06	2.76%
2002.05	-8.53%	1955.03	27.40%	1961.05	2.99%
2008.12	-8.52%	1948.02	27.74%	1973.04	2.99%
1976.04	-8.50%	1937.07	27.99%	1971.07	3.02%
1943.05	-8.29%	1954.1	28.32%	1993.11	3.10%
1984.11	-8.21%	1936.03	28.37%	2001.11	3.10%
2010.08	-8.19%	1925.05	28.50%	1970.01	3.13%
2003.12	-8.12%	1936.01	29.15%	2002.01	3.20%
1970.05	-8.08%	1949.01	29.80%	1978.05	3.41%
1991.02	-7.97%	1955.04	29.98%	1971.08	3.64%
2010.07	-7.89%	1944.05	30.47%	2008.1	3.72%
1978.04	-7.48%	1930.06	30.79%	2001.12	3.75%
2010.03	-7.40%	1944.07	30.90%	1961.03	3.78%
2010.02	-7.31%	1948.09	32.04%	1961.04	3.84%
1943.04	-7.10%	1947.09	32.92%	1985.03	4.39%
1939.07	-7.04%	1948.03	32.95%	1962.09	4.80%
1938.05	-6.92%	1948.12	32.96%	1971.12	5.14%
2009.04	-6.90%	1954.09	33.01%	1961.02	5.28%
2010.04	-6.80%	1945.01	33.52%	1962.1	5.29%
1960.12	-6.79%	1937.08	34.14%	1984.05	5.37%

2003.06	-6.71%	1948.08	34.20%	1978.06	5.50%
2010.05	-6.70%	1936.02	34.79%	1993.1	5.62%
1943.09	-6.26%	1947.08	35.64%	1993.12	5.80%
1975.01	-6.24%	1955.1	35.72%	1961.06	6.09%
2003.05	-6.11%	1925.06	35.86%	1963.07	6.17%
2002.1	-6.03%	1937.06	35.94%	1959.07	6.47%
1990.1	-5.92%	1947.06	36.22%	1985.04	6.51%
1975.04	-5.90%	1948.07	36.30%	1990.05	6.67%
2002.03	-5.79%	1947.1	36.34%	1971.04	6.71%
1993.02	-5.64%	1947.07	36.43%	1990.06	6.79%
2004.01	-5.58%	1954.04	37.85%	1970.08	6.81%
2005.01	-5.43%	1948.11	37.88%	1982.07	6.93%
2010.11	-5.42%	1955.05	38.30%	1972.1	6.97%
1939.04	-5.20%	1947.05	38.48%	1959.06	7.02%
2009.08	-5.06%	1954.12	38.62%	1985.06	7.06%
1939.05	-4.88%	1948.01	38.65%	1968.03	7.18%
2002.12	-4.86%	1954.08	38.68%	1985.05	7.54%
1939.1	-4.58%	1954.05	39.55%	1968.05	7.57%
1960.11	-4.43%	1954.11	39.61%	1971.06	7.84%
2010.1	-4.41%	1948.06	40.76%	1991.12	8.06%
1930.11	-4.36%	1948.1	40.77%	1985.01	8.37%
1992.1	-4.21%	1945.03	40.95%	1970.02	8.54%
1973.05	-4.20%	1955.09	41.06%	1971.05	8.62%
1959.09	-4.12%	1944.06	41.07%	2001.06	8.70%
2003.07	-4.07%	1954.02	41.15%	1992.02	8.81%
1990.11	-4.06%	1954.01	42.43%	1970.1	9.03%
1992.06	-4.06%	1947.12	42.58%	1987.11	9.08%
1970.07	-3.89%	1955.08	43.48%	1969.1	9.22%
1975.02	-3.65%	1954.03	43.81%	1973.01	9.22%
2009.09	-3.62%	1955.11	43.81%	1973.11	9.31%
1935.09	-3.61%	1954.06	44.00%	1963.02	9.36%
1992.12	-3.59%	1926.05	44.60%	1969.07	9.54%
2009.07	-3.57%	1955.12	44.70%	1973.06	9.54%
1975.09	-3.50%	1925.07	45.05%	1982.06	9.60%
2002.11	-3.40%	1936.04	45.26%	1969.09	9.61%
2008.11	-3.36%	1936.09	45.51%	1971.02	9.65%
2011.04	-3.35%	1947.04	45.97%	1972.11	9.75%
1960.01	-3.25%	1948.04	46.18%	1978.07	9.95%
2011.01	-3.24%	1953.12	46.24%	1970.03	10.01%
2010.12	-3.08%	1950.09	46.80%	1972.12	10.13%
2003.02	-2.86%	1936.08	48.10%	1968.07	10.18%
2009.12	-2.84%	1945.02	48.14%	1971.03	10.32%
1992.11	-2.82%	1947.11	48.34%	1973.03	10.49%

1971.1	-2.79%	1930.02	48.86%	1984.01	10.50%
1938.02	-2.66%	1926.04	49.27%	1985.02	10.74%
1974.1	-2.62%	1926.06	49.66%	1971.01	10.76%
1971.11	-2.56%	1955.07	50.07%	1994.06	10.82%
1939.03	-2.55%	1954.07	50.15%	1961.07	10.90%
1993.07	-2.51%	1955.06	50.50%	1959.05	11.12%
1943.07	-2.50%	1953.11	50.69%	2002.08	11.34%
2002.02	-2.49%	1925.11	51.74%	1973.12	11.57%
1923.1	-2.47%	1925.08	52.28%	1962.12	11.61%
1984.1	-2.43%	1930.05	52.39%	1990.03	11.72%
2009.06	-2.43%	1926.07	52.46%	1969.12	11.74%
1992.04	-2.26%	1926.1	53.03%	1982.09	11.97%
2003.11	-2.24%	1925.12	53.17%	1969.08	12.20%
1961.01	-2.20%	1948.05	53.48%	1968.04	12.29%
2010.09	-2.19%	1926.08	53.76%	1991.11	12.40%
1992.09	-2.13%	1925.09	53.89%	1962.07	12.49%
2009.1	-2.04%	1926.09	54.00%	1969.02	12.63%
1971.09	-2.00%	1950.11	54.36%	1962.11	12.69%
2004.11	-2.00%	1925.1	54.41%	1963.08	12.76%
1959.11	-1.98%	1950.1	54.48%	1972.09	12.86%
1975.05	-1.81%	1953.1	54.48%	1990.07	12.94%
1993.03	-1.77%	1926.12	55.13%	1973.02	12.97%
1984.09	-1.66%	1947.03	55.61%	1991.1	13.05%
1990.09	-1.59%	1945.04	55.94%	1968.06	13.30%
1939.09	-1.57%	1930.03	56.11%	1963.03	13.38%
1990.12	-1.52%	1950.12	56.13%	1968.08	13.68%
2009.11	-1.44%	1945.07	56.94%	1962.08	13.70%
1975.1	-1.43%	1926.03	57.10%	1963.06	13.91%
1993.09	-1.38%	1930.01	57.13%	1963.01	13.92%
1924.04	-1.36%	1945.09	57.15%	1968.02	14.11%
1984.12	-1.35%	1926.11	57.25%	1972.06	14.12%
1975.06	-1.28%	1952.05	57.78%	2005.05	14.18%
1930.1	-1.27%	1927.01	57.85%	1968.09	14.19%
1970.04	-1.01%	1945.08	59.20%	2005.04	14.36%
1923.11	-1.00%	1953.09	59.29%	1970.09	14.38%
2004.12	-0.95%	1927.03	60.05%	1992.01	14.39%
1975.08	-0.81%	1927.02	60.95%	1994.07	14.42%
1992.07	-0.61%	1926.01	61.49%	1970.11	14.44%
1959.12	-0.59%	1927.04	62.52%	1974.04	14.54%
1938.01	-0.57%	1929.12	63.88%	1970.12	14.78%
1943.06	-0.47%	1929.11	64.39%	1985.07	14.98%
2011.03	-0.30%	1952.1	64.68%	1987.12	15.03%
2003.09	-0.23%	1937.05	65.20%	1988.01	15.05%

1924.08	-0.18%	1927.06	65.44%	1962.06	15.11%
1975.07	-0.18%	1945.05	65.58%	1974.03	15.11%
1984.08	-0.09%	1947.01	65.66%	1969.06	15.21%
1939.01	0.04%	1947.02	65.67%	1969.11	15.26%
1992.03	0.17%	1930.04	65.93%	1973.08	15.36%
2003.1	0.18%	1927.05	66.32%	1968.1	15.47%
1924.05	0.25%	1953.08	66.63%	1974.07	15.67%
1984.02	0.44%	1952.06	66.82%	1994.03	15.69%
2009.05	0.48%	1926.02	67.09%	1984.04	15.71%
1984.06	0.49%	1952.04	68.62%	1959.04	15.75%
1974.08	0.56%	1945.06	68.71%	2005.02	15.80%
1993.08	0.60%	1952.11	68.96%	2001.05	15.85%
2011.02	0.76%	1945.1	69.42%	1995.02	16.44%
2003.08	0.79%	1952.12	71.70%	1994.02	16.71%
1975.11	0.95%	1945.11	72.39%	1969.03	17.21%
1992.08	0.97%	1936.07	72.47%	1972.01	17.42%
1990.04	1.11%	1927.07	72.83%	1972.07	17.46%
1924.07	1.13%	1951.01	73.38%	1982.08	17.47%
1959.08	1.25%	1953.04	74.44%	1963.04	17.62%
1924.06	1.29%	1951.02	75.36%	1969.04	17.64%
2001.07	1.35%	1952.09	75.66%	2001.03	17.69%
2001.08	1.44%	1953.03	75.83%	1969.01	17.87%
1992.05	1.46%	1953.07	75.96%	1994.05	18.18%
1993.04	1.80%	1946.12	76.26%	1972.04	18.31%
1923.12	1.99%	1951.03	76.46%	1968.01	18.46%
1993.05	2.06%	1953.01	76.76%	1987.1	18.71%
1959.1	2.07%	1936.05	77.46%	1974.01	18.74%
2002.09	2.30%	1952.08	77.62%	2001.02	18.79%
1939.02	2.40%	1946.11	78.00%	1974.02	18.97%
1924.03	2.43%	1952.07	78.58%	1974.06	18.99%
1949.06	2.56%	1953.06	80.61%	1974.05	19.08%
1990.08	2.71%	1951.06	81.11%	1968.11	19.23%
1924.09	2.74%	1936.1	81.71%	1963.05	19.29%
1993.06	2.76%	1927.08	82.76%	1998.08	19.46%
1961.05	2.99%	1953.02	84.13%	1994.01	19.64%
1973.04	2.99%	1951.07	85.22%	1995.01	19.83%
1971.07	3.02%	1953.05	86.30%	1958.12	19.86%
1993.11	3.10%	1951.11	86.64%	1972.08	19.89%
2001.11	3.10%	1945.12	87.85%	2001.04	20.24%
1970.01	3.13%	1946.1	88.85%	1995.04	20.47%
2002.01	3.20%	1951.05	89.93%	1995.03	20.50%
1978.05	3.41%	1936.11	90.30%	1990.02	20.52%
1923.09	3.48%	1951.12	91.13%	1966.11	20.62%

1971.08	3.64%	1951.04	91.33%	1959.02	20.64%
2008.1	3.72%	1936.06	92.65%	1967.05	20.89%
2001.12	3.75%	1952.01	93.63%	1985.08	20.89%
1961.03	3.78%	1952.03	93.92%	1969.05	20.93%
1961.04	3.84%	1951.1	94.28%	1998.09	21.12%
1924.02	3.91%	1937.04	95.33%	1968.12	21.16%
1950.01	4.00%	1927.09	95.51%	1973.09	21.24%
1924.01	4.14%	1946.09	96.06%	1972.05	21.54%
1937.11	4.35%	1951.08	96.44%	1990.01	21.64%
1985.03	4.39%	1952.02	99.57%	1959.03	21.91%
1924.1	4.58%	1951.09	100.79%	1959.01	21.94%
1962.09	4.80%	1929.1	101.37%	1963.09	22.09%
1938.06	4.99%	1927.1	101.49%	1995.05	22.44%
1971.12	5.14%	1928.02	101.59%	1965.12	22.46%
1961.02	5.28%	1927.11	104.09%	2005.03	22.48%
1962.1	5.29%	1928.08	106.01%	1963.11	22.49%
1984.05	5.37%	1936.12	106.09%	1982.05	22.68%
1937.12	5.48%	1937.01	106.76%	1965.11	22.70%
1978.06	5.50%	1927.12	107.91%	1963.12	22.91%
1993.1	5.62%	1946.01	108.02%	1988.02	22.94%
1993.12	5.80%	1928.03	108.72%	1966.12	22.97%
1949.05	5.83%	1928.01	109.09%	1963.1	23.09%
1961.06	6.09%	1946.02	112.40%	1958.11	23.14%
1963.07	6.17%	1928.07	114.63%	1973.07	23.32%
1959.07	6.47%	1928.06	114.89%	1965.07	23.33%
1985.04	6.51%	1928.09	118.99%	1984.03	23.36%
1990.05	6.67%	1928.04	123.20%	1967.1	23.84%
1971.04	6.71%	1946.08	126.11%	1958.05	23.93%
1990.06	6.79%	1929.06	129.47%	1995.1	23.94%
1943.08	6.81%	1946.07	129.64%	2005.06	24.29%
1970.08	6.81%	1928.1	130.29%	1957.12	24.40%
1982.07	6.93%	1946.03	131.09%	1965.08	24.43%
1972.1	6.97%	1929.07	133.16%	1994.04	24.68%
1959.06	7.02%	1928.05	133.85%	1967.01	25.10%
1985.06	7.06%	1929.05	134.03%	1967.12	25.19%
1968.03	7.18%	1929.08	138.75%	1966.03	25.28%
1950.03	7.49%	1946.06	139.38%	1995.08	25.31%
1985.05	7.54%	1937.02	139.71%	1958.08	25.46%
1968.05	7.57%	1946.05	141.78%	1961.08	25.68%
1935.11	7.60%	1937.03	143.12%	1958.04	26.24%
1923.08	7.73%	1929.03	144.10%	1989.05	26.34%
1971.06	7.84%	1929.04	144.39%	1994.12	26.46%
1991.12	8.06%	1946.04	145.01%	1962.05	26.47%

1938.12	8.14%	1929.09	146.14%	1965.06	26.83%
1950.06	8.23%	1928.12	146.69%	1966.02	26.87%
1985.01	8.37%	1928.11	146.80%	1973.1	26.89%
1970.02	8.54%	1929.02	164.29%	1994.08	26.90%
1971.05	8.62%	1929.01	170.49%	1966.08	26.95%
2001.06	8.70%			1994.11	26.95%
1992.02	8.81%			1972.03	27.09%
1970.1	9.03%			1983.12	27.09%
1987.11	9.08%			1978.08	27.20%
1969.1	9.22%			1958.07	27.27%
1973.01	9.22%			1972.02	27.27%
1950.02	9.28%			1995.07	27.28%
1950.04	9.31%			1978.1	27.46%
1973.11	9.31%			1995.06	27.51%
1963.02	9.36%			1989.03	27.65%
1969.07	9.54%			1967.04	27.71%
1973.06	9.54%			1958.06	27.73%
1938.08	9.55%			1988.09	27.96%
1982.06	9.60%			1983.09	28.03%
1969.09	9.61%			1989.12	28.06%
1971.02	9.65%			1967.11	28.24%
1972.11	9.75%			1989.02	28.31%
1978.07	9.95%			1989.04	28.31%
1970.03	10.01%			1988.08	28.40%
1972.12	10.13%			1965.09	28.60%
1968.07	10.18%			1967.06	28.85%
1971.03	10.32%			1958.03	29.02%
1949.07	10.34%			1988.03	29.08%
1973.03	10.49%			1989.11	29.11%
1984.01	10.50%			1989.06	29.28%
1985.02	10.74%			1957.1	29.54%
1971.01	10.76%			1988.11	29.59%
1994.06	10.82%			1982.11	29.60%
1961.07	10.90%			1989.01	29.91%
1949.08	10.94%			1966.04	29.98%
1935.1	11.01%			1982.04	30.00%
1938.09	11.10%			1965.1	30.09%
1959.05	11.12%			1966.09	30.09%
1950.05	11.16%			2008.09	30.29%
1938.11	11.18%			1966.1	30.58%
2002.08	11.34%			1982.1	30.58%
1973.12	11.57%			1967.02	30.59%
1962.12	11.61%			1995.09	30.59%

1990.03	11.72%	1958.02	30.65%
1969.12	11.74%	1958.09	30.75%
1982.09	11.97%	1966.01	30.86%
1949.12	12.01%	1967.03	31.04%
1969.08	12.20%	1995.12	31.06%
1949.09	12.21%	1983.08	31.37%
1968.04	12.29%	2005.07	31.45%
1991.11	12.40%	1988.12	31.53%
1962.07	12.49%	1983.03	31.55%
1969.02	12.63%	1985.09	31.61%
1962.11	12.69%	1995.11	31.99%
1963.08	12.76%	1964.01	32.31%
1972.09	12.86%	1989.08	32.45%
1990.07	12.94%	1958.1	32.73%
1973.02	12.97%	1967.09	32.81%
1991.1	13.05%	1979.02	33.03%
1950.07	13.14%	1989.07	33.09%
1968.06	13.30%	1988.04	33.42%
1963.03	13.38%	1961.09	33.45%
1968.08	13.68%	1982.12	33.62%
1962.08	13.70%	1957.11	33.67%
1963.06	13.91%	1979.01	33.69%
1963.01	13.92%	1958.01	33.90%
1968.02	14.11%	1985.11	33.95%
1972.06	14.12%	1983.01	33.97%
2005.05	14.18%	1967.08	34.13%
1968.09	14.19%	2000.11	34.29%
2005.04	14.36%	1996.02	34.37%
1970.09	14.38%	1988.1	34.48%
1992.01	14.39%	1983.11	34.70%
1994.07	14.42%	1983.1	34.71%
1970.11	14.44%	1994.09	34.78%
1937.09	14.49%	1996.01	34.78%
1974.04	14.54%	1983.02	34.85%
1930.08	14.59%	1983.06	35.06%
1970.12	14.78%	1998.1	35.26%
1924.11	14.82%	1988.05	35.31%
1949.11	14.93%	1982.03	35.64%
1985.07	14.98%	1964.02	35.77%
1987.12	15.03%	1994.1	36.24%
1988.01	15.05%	1967.07	36.65%
1962.06	15.11%	1985.1	36.72%
1974.03	15.11%	1989.1	36.79%

1969.06	15.21%	1965.05	37.44%
1969.11	15.26%	1966.05	37.46%
1973.08	15.36%	2000.12	38.09%
1968.1	15.47%	1996.07	39.60%
1974.07	15.67%	2001.01	39.72%
1994.03	15.69%	1989.09	39.85%
1984.04	15.71%	2005.08	39.91%
1959.04	15.75%	1985.12	40.05%
2005.02	15.80%	1965.04	40.49%
2001.05	15.85%	1983.04	40.65%
1949.04	16.31%	1966.07	40.82%
1949.1	16.40%	1964.03	41.00%
1995.02	16.44%	2005.11	41.84%
1930.09	16.49%	1979.04	42.03%
1994.02	16.71%	1983.05	42.03%
1969.03	17.21%	1983.07	42.14%
1949.02	17.35%	1979.05	42.28%
1972.01	17.42%	1996.03	42.29%
1972.07	17.46%	1998.01	42.56%
1982.08	17.47%	1979.07	42.63%
1963.04	17.62%	2005.12	42.64%
1925.01	17.63%	1956.01	42.68%
1969.04	17.64%	1978.11	42.98%
2001.03	17.69%	1979.03	42.99%
1969.01	17.87%	1999.03	42.99%
1924.12	17.96%	1999.02	43.07%
1937.1	17.99%	1999.07	43.24%
1994.05	18.18%	1965.03	43.34%
1972.04	18.31%	1999.09	43.42%
1968.01	18.46%	1999.05	43.58%
1987.1	18.71%	1988.06	43.66%
1974.01	18.74%	1962.04	44.04%
2001.02	18.79%	1998.12	44.08%
1974.02	18.97%	1999.08	44.10%
1974.06	18.99%	1999.06	44.54%
1974.05	19.08%	1998.11	45.04%
1968.11	19.23%	1996.06	45.22%
1963.05	19.29%	1961.1	45.32%
1998.08	19.46%	1957.09	45.54%
1994.01	19.64%	1961.11	46.28%
1938.1	19.71%	1988.07	46.37%
1995.01	19.83%	2005.1	46.46%
1958.12	19.86%	1966.06	46.58%



1972.08	19.89%	1962.03	46.98%
1944.09	20.10%	1978.09	47.10%
2001.04	20.24%	1987.05	47.27%
1995.04	20.47%	1996.08	47.28%
1995.03	20.50%	1965.02	47.32%
1990.02	20.52%	1979.06	47.76%
1925.02	20.58%	1987.06	47.85%
1966.11	20.62%	1978.12	48.47%
1959.02	20.64%	2006.02	48.61%
1944.1	20.89%	1964.04	48.71%
1967.05	20.89%	2006.05	48.86%
1985.08	20.89%	1962.01	48.97%
1969.05	20.93%	1956.11	49.19%
1998.09	21.12%	1964.05	49.42%
1968.12	21.16%	1964.08	49.49%
1973.09	21.24%	1996.04	49.73%
1935.12	21.52%	2006.03	49.75%
1972.05	21.54%	1997.12	50.04%
1990.01	21.64%	1987.09	50.58%
1959.03	21.91%	1999.11	50.64%
1959.01	21.94%	1986.01	50.73%
1963.09	22.09%	1997.11	50.77%
1995.05	22.44%	2008.01	50.85%
1965.12	22.46%	1982.02	50.93%
2005.03	22.48%	2008.02	51.02%
1963.11	22.49%	1996.05	51.16%
1982.05	22.68%	1962.02	51.49%
1965.11	22.70%	1986.12	51.70%
1963.12	22.91%	2006.01	51.70%
1988.02	22.94%	1999.1	51.83%
1966.12	22.97%	2008.03	51.95%
1963.1	23.09%	1965.01	52.73%
1958.11	23.14%	1964.12	52.81%
1973.07	23.32%	1999.04	52.97%
1965.07	23.33%	1964.06	52.98%
1984.03	23.36%	1997.04	53.29%
1944.11	23.77%	1987.04	53.51%
1949.03	23.77%	1956.02	54.23%
1967.1	23.84%	1957.08	54.47%
1958.05	23.93%	1957.02	54.51%
1995.1	23.94%	2006.04	54.65%
2005.06	24.29%	1997.08	54.75%
1957.12	24.40%	1987.08	55.16%

1965.08	24.43%	1998.02	55.20%
1994.04	24.68%	1997.1	55.76%
1967.01	25.10%	1996.09	56.35%
1967.12	25.19%	2008.07	56.54%
1966.03	25.28%	1979.08	56.58%
1995.08	25.31%	2005.09	56.68%
1925.03	25.35%	1999.01	56.87%
1930.07	25.39%	1987.07	56.94%
1958.08	25.46%	1997.06	57.50%
1961.08	25.68%	1997.03	57.68%
1938.07	25.76%	2000.1	58.00%
1955.01	25.96%	2006.06	58.09%
1958.04	26.24%	1980.03	58.28%
1989.05	26.34%	2000.01	58.61%
1994.12	26.46%	1961.12	58.81%
1962.05	26.47%	1987.01	59.22%
1965.06	26.83%	1957.01	59.25%
1966.02	26.87%	1964.11	59.44%
1944.12	26.89%	1997.05	59.48%
1973.1	26.89%	1956.12	59.95%
1994.08	26.90%	1964.07	59.96%
1950.08	26.94%	2008.08	60.12%
1966.08	26.95%	1986.11	60.26%
1994.11	26.95%	1998.07	60.46%
1944.08	27.09%	1956.1	60.97%
1972.03	27.09%	1980.04	61.36%
1983.12	27.09%	1987.02	61.58%
1978.08	27.20%	1986.02	62.26%
1925.04	27.22%	1979.1	62.28%
1955.02	27.26%	1957.03	62.77%
1958.07	27.27%	1982.01	62.92%
1972.02	27.27%	1996.1	63.31%
1995.07	27.28%	2000.05	63.45%
1955.03	27.40%	1956.03	63.68%
1978.1	27.46%	1964.09	64.14%
1995.06	27.51%	1956.09	64.18%
1989.03	27.65%	2007.12	64.53%
1967.04	27.71%	1964.1	64.78%
1958.06	27.73%	2008.04	65.20%
1948.02	27.74%	2008.06	65.23%
1988.09	27.96%	1956.05	65.32%
1937.07	27.99%	1956.06	65.53%
1983.09	28.03%	1986.1	65.53%

1989.12	28.06%	1979.11	65.55%
1967.11	28.24%	1999.12	65.64%
1989.02	28.31%	1987.03	67.15%
1989.04	28.31%	1997.07	67.88%
1954.1	28.32%	1981.12	68.29%
1936.03	28.37%	2000.04	68.32%
1988.08	28.40%	1956.08	68.35%
1925.05	28.50%	1998.03	68.71%
1965.09	28.60%	1957.07	69.48%
1967.06	28.85%	1998.05	69.53%
1958.03	29.02%	1980.05	69.77%
1988.03	29.08%	2007.11	70.15%
1989.11	29.11%	2008.05	70.62%
1936.01	29.15%	1997.09	70.64%
1989.06	29.28%	2000.02	71.49%
1957.1	29.54%	1996.12	71.75%
1988.11	29.59%	1956.07	71.82%
1982.11	29.60%	1981.09	72.19%
1949.01	29.80%	1979.09	72.43%
1989.01	29.91%	1956.04	72.59%
1955.04	29.98%	1997.02	73.30%
1966.04	29.98%	1998.04	73.59%
1982.04	30.00%	1981.1	73.63%
1965.1	30.09%	2006.07	74.77%
1966.09	30.09%	1957.04	75.04%
2008.09	30.29%	2000.03	76.32%
1944.05	30.47%	1998.06	77.28%
1966.1	30.58%	1996.11	77.93%
1982.1	30.58%	2007.08	78.09%
1967.02	30.59%	1957.06	78.13%
1995.09	30.59%	2006.08	78.14%
1958.02	30.65%	1986.09	78.87%
1958.09	30.75%	1957.05	79.04%
1930.06	30.79%	1997.01	79.39%
1966.01	30.86%	2000.09	80.23%
1944.07	30.90%	1981.11	80.38%
1967.03	31.04%	1986.08	80.55%
1995.12	31.06%	1980.06	80.77%
1983.08	31.37%	1979.12	81.38%
2005.07	31.45%	1986.03	82.13%
1988.12	31.53%	2007.1	84.22%
1983.03	31.55%	1980.01	85.65%
1985.09	31.61%	2007.09	85.94%

1995.11	31.99%	2006.09	86.03%
1948.09	32.04%	2000.06	86.66%
1964.01	32.31%	2007.07	87.01%
1989.08	32.45%	1986.04	88.78%
1958.1	32.73%	2006.11	89.66%
1967.09	32.81%	2006.12	90.69%
1947.09	32.92%	2006.1	92.91%
1948.03	32.95%	1980.07	93.33%
1948.12	32.96%	1980.02	93.75%
1954.09	33.01%	2007.01	93.86%
1979.02	33.03%	2007.02	94.45%
1989.07	33.09%	1986.05	94.51%
1988.04	33.42%	2007.06	94.76%
1961.09	33.45%	2000.07	94.97%
1945.01	33.52%	1980.08	95.46%
1982.12	33.62%	1986.07	98.45%
1957.11	33.67%	2007.04	99.25%
1979.01	33.69%	1981.02	100.26%
1958.01	33.90%	2007.05	100.38%
1985.11	33.95%	1981.08	100.68%
1983.01	33.97%	2000.08	101.56%
1967.08	34.13%	1981.07	101.76%
1937.08	34.14%	2007.03	102.90%
1948.08	34.20%	1980.09	103.02%
2000.11	34.29%	1981.01	107.16%
1996.02	34.37%	1980.12	107.97%
1988.1	34.48%	1980.1	109.29%
1983.11	34.70%	1981.03	111.16%
1983.1	34.71%	1981.06	112.06%
1994.09	34.78%	1981.04	114.54%
1996.01	34.78%	1986.06	115.65%
1936.02	34.79%	1981.05	123.56%
1983.02	34.85%	1980.11	141.47%
1983.06	35.06%		
1998.1	35.26%		
1988.05	35.31%		
1947.08	35.64%		
1982.03	35.64%		
1955.1	35.72%		
1964.02	35.77%		
1925.06	35.86%		
1937.06	35.94%		
1947.06	36.22%		

1994.1	36.24%
1948.07	36.30%
1947.1	36.34%
1947.07	36.43%
1967.07	36.65%
1985.1	36.72%
1989.1	36.79%
1965.05	37.44%
1966.05	37.46%
1954.04	37.85%
1948.11	37.88%
2000.12	38.09%
1955.05	38.30%
1947.05	38.48%
1954.12	38.62%
1948.01	38.65%
1954.08	38.68%
1954.05	39.55%
1996.07	39.60%
1954.11	39.61%
2001.01	39.72%
1989.09	39.85%
2005.08	39.91%
1985.12	40.05%
1965.04	40.49%
1983.04	40.65%
1948.06	40.76%
1948.1	40.77%
1966.07	40.82%
1945.03	40.95%
1964.03	41.00%
1955.09	41.06%
1944.06	41.07%
1954.02	41.15%
2005.11	41.84%
1979.04	42.03%
1983.05	42.03%
1983.07	42.14%
1979.05	42.28%
1996.03	42.29%
1954.01	42.43%
1998.01	42.56%
1947.12	42.58%

1979.07	42.63%
2005.12	42.64%
1956.01	42.68%
1978.11	42.98%
1979.03	42.99%
1999.03	42.99%
1999.02	43.07%
1999.07	43.24%
1965.03	43.34%
1999.09	43.42%
1955.08	43.48%
1999.05	43.58%
1988.06	43.66%
1954.03	43.81%
1955.11	43.81%
1954.06	44.00%
1962.04	44.04%
1998.12	44.08%
1999.08	44.10%
1999.06	44.54%
1926.05	44.60%
1955.12	44.70%
1998.11	45.04%
1925.07	45.05%
1996.06	45.22%
1936.04	45.26%
1961.1	45.32%
1936.09	45.51%
1957.09	45.54%
1947.04	45.97%
1948.04	46.18%
1953.12	46.24%
1961.11	46.28%
1988.07	46.37%
2005.1	46.46%
1966.06	46.58%
1950.09	46.80%
1962.03	46.98%
1978.09	47.10%
1987.05	47.27%
1996.08	47.28%
1965.02	47.32%
1979.06	47.76%

1987.06	47.85%
1936.08	48.10%
1945.02	48.14%
1947.11	48.34%
1978.12	48.47%
2006.02	48.61%
1964.04	48.71%
1930.02	48.86%
2006.05	48.86%
1962.01	48.97%
1956.11	49.19%
1926.04	49.27%
1964.05	49.42%
1964.08	49.49%
1926.06	49.66%
1996.04	49.73%
2006.03	49.75%
1997.12	50.04%
1955.07	50.07%
1954.07	50.15%
1955.06	50.50%
1987.09	50.58%
1999.11	50.64%
1953.11	50.69%
1986.01	50.73%
1997.11	50.77%
2008.01	50.85%
1982.02	50.93%
2008.02	51.02%
1996.05	51.16%
1962.02	51.49%
1986.12	51.70%
2006.01	51.70%
1925.11	51.74%
1999.1	51.83%
2008.03	51.95%
1925.08	52.28%
1930.05	52.39%
1926.07	52.46%
1965.01	52.73%
1964.12	52.81%
1999.04	52.97%
1964.06	52.98%

1926.1	53.03%
1925.12	53.17%
1997.04	53.29%
1948.05	53.48%
1987.04	53.51%
1926.08	53.76%
1925.09	53.89%
1926.09	54.00%
1956.02	54.23%
1950.11	54.36%
1925.1	54.41%
1957.08	54.47%
1950.1	54.48%
1953.1	54.48%
1957.02	54.51%
2006.04	54.65%
1997.08	54.75%
1926.12	55.13%
1987.08	55.16%
1998.02	55.20%
1947.03	55.61%
1997.1	55.76%
1945.04	55.94%
1930.03	56.11%
1950.12	56.13%
1996.09	56.35%
2008.07	56.54%
1979.08	56.58%
2005.09	56.68%
1999.01	56.87%
1945.07	56.94%
1987.07	56.94%
1926.03	57.10%
1930.01	57.13%
1945.09	57.15%
1926.11	57.25%
1997.06	57.50%
1997.03	57.68%
1952.05	57.78%
1927.01	57.85%
2000.1	58.00%
2006.06	58.09%
1980.03	58.28%



2000.01	58.61%
1961.12	58.81%
1945.08	59.20%
1987.01	59.22%
1957.01	59.25%
1953.09	59.29%
1964.11	59.44%
1997.05	59.48%
1956.12	59.95%
1964.07	59.96%
1927.03	60.05%
2008.08	60.12%
1986.11	60.26%
1998.07	60.46%
1927.02	60.95%
1956.1	60.97%
1980.04	61.36%
1926.01	61.49%
1987.02	61.58%
1986.02	62.26%
1979.1	62.28%
1927.04	62.52%
1957.03	62.77%
1982.01	62.92%
1996.1	63.31%
2000.05	63.45%
1956.03	63.68%
1929.12	63.88%
1964.09	64.14%
1956.09	64.18%
1929.11	64.39%
2007.12	64.53%
1952.1	64.68%
1964.1	64.78%
1937.05	65.20%
2008.04	65.20%
2008.06	65.23%
1956.05	65.32%
1927.06	65.44%
1956.06	65.53%
1986.1	65.53%
1979.11	65.55%
1945.05	65.58%

1999.12	65.64%
1947.01	65.66%
1947.02	65.67%
1930.04	65.93%
1927.05	66.32%
1953.08	66.63%
1952.06	66.82%
1926.02	67.09%
1987.03	67.15%
1997.07	67.88%
1981.12	68.29%
2000.04	68.32%
1956.08	68.35%
1952.04	68.62%
1945.06	68.71%
1998.03	68.71%
1952.11	68.96%
1945.1	69.42%
1957.07	69.48%
1998.05	69.53%
1980.05	69.77%
2007.11	70.15%
2008.05	70.62%
1997.09	70.64%
2000.02	71.49%
1952.12	71.70%
1996.12	71.75%
1956.07	71.82%
1981.09	72.19%
1945.11	72.39%
1979.09	72.43%
1936.07	72.47%
1956.04	72.59%
1927.07	72.83%
1997.02	73.30%
1951.01	73.38%
1998.04	73.59%
1981.1	73.63%
1953.04	74.44%
2006.07	74.77%
1957.04	75.04%
1951.02	75.36%
1952.09	75.66%

1953.03	75.83%
1953.07	75.96%
1946.12	76.26%
2000.03	76.32%
1951.03	76.46%
1953.01	76.76%
1998.06	77.28%
1936.05	77.46%
1952.08	77.62%
1996.11	77.93%
1946.11	78.00%
2007.08	78.09%
1957.06	78.13%
2006.08	78.14%
1952.07	78.58%
1986.09	78.87%
1957.05	79.04%
1997.01	79.39%
2000.09	80.23%
1981.11	80.38%
1986.08	80.55%
1953.06	80.61%
1980.06	80.77%
1951.06	81.11%
1979.12	81.38%
1936.1	81.71%
1986.03	82.13%
1927.08	82.76%
1953.02	84.13%
2007.1	84.22%
1951.07	85.22%
1980.01	85.65%
2007.09	85.94%
2006.09	86.03%
1953.05	86.30%
1951.11	86.64%
2000.06	86.66%
2007.07	87.01%
1945.12	87.85%
1986.04	88.78%
1946.1	88.85%
2006.11	89.66%
1951.05	89.93%

1936.11	90.30%
2006.12	90.69%
1951.12	91.13%
1951.04	91.33%
1936.06	92.65%
2006.1	92.91%
1980.07	93.33%
1952.01	93.63%
1980.02	93.75%
2007.01	93.86%
1952.03	93.92%
1951.1	94.28%
2007.02	94.45%
1986.05	94.51%
2007.06	94.76%
2000.07	94.97%
1937.04	95.33%
1980.08	95.46%
1927.09	95.51%
1946.09	96.06%
1951.08	96.44%
1986.07	98.45%
2007.04	99.25%
1952.02	99.57%
1981.02	100.26%
2007.05	100.38%
1981.08	100.68%
1951.09	100.79%
1929.1	101.37%
1927.1	101.49%
2000.08	101.56%
1928.02	101.59%
1981.07	101.76%
2007.03	102.90%
1980.09	103.02%
1927.11	104.09%
1928.08	106.01%
1936.12	106.09%
1937.01	106.76%
1981.01	107.16%
1927.12	107.91%
1980.12	107.97%
1946.01	108.02%

1928.03	108.72%
1928.01	109.09%
1980.1	109.29%
1981.03	111.16%
1981.06	112.06%
1946.02	112.40%
1981.04	114.54%
1928.07	114.63%
1928.06	114.89%
1986.06	115.65%
1928.09	118.99%
1928.04	123.20%
1981.05	123.56%
1946.08	126.11%
1929.06	129.47%
1946.07	129.64%
1928.1	130.29%
1946.03	131.09%
1929.07	133.16%
1928.05	133.85%
1929.05	134.03%
1929.08	138.75%
1946.06	139.38%
1937.02	139.71%
1980.11	141.47%
1946.05	141.78%
1937.03	143.12%
1929.03	144.10%
1929.04	144.39%
1946.04	145.01%
1929.09	146.14%
1928.12	146.69%
1928.11	146.80%
1929.02	164.29%
1929.01	170.49%