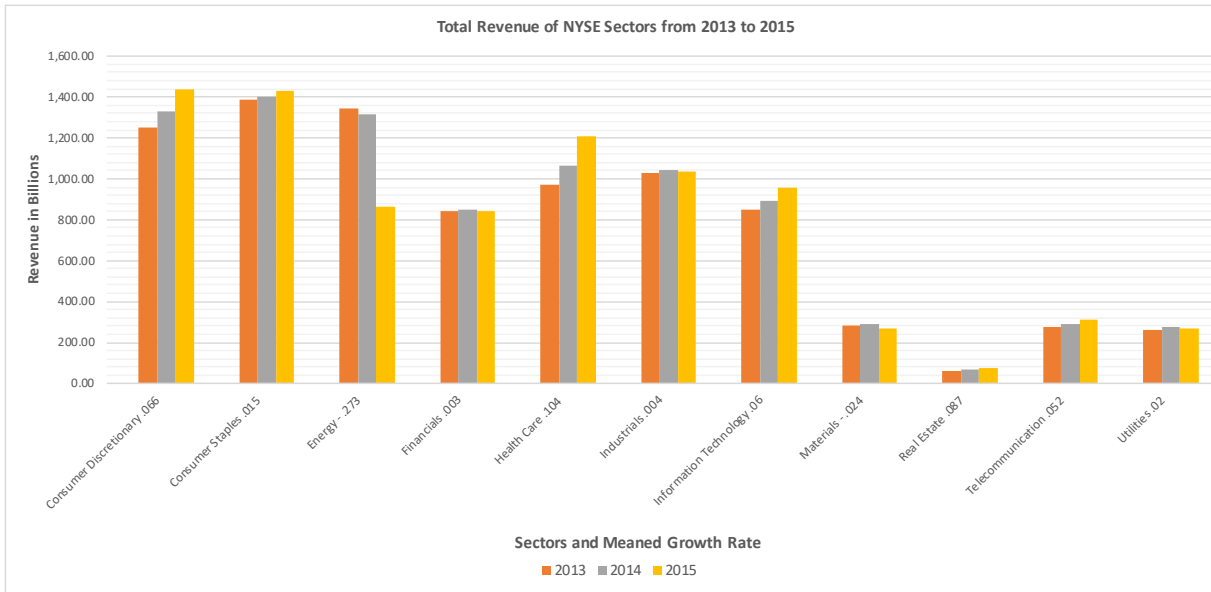


What is the mean growth rate of all NYSE Sectors from 2013 to 2015?



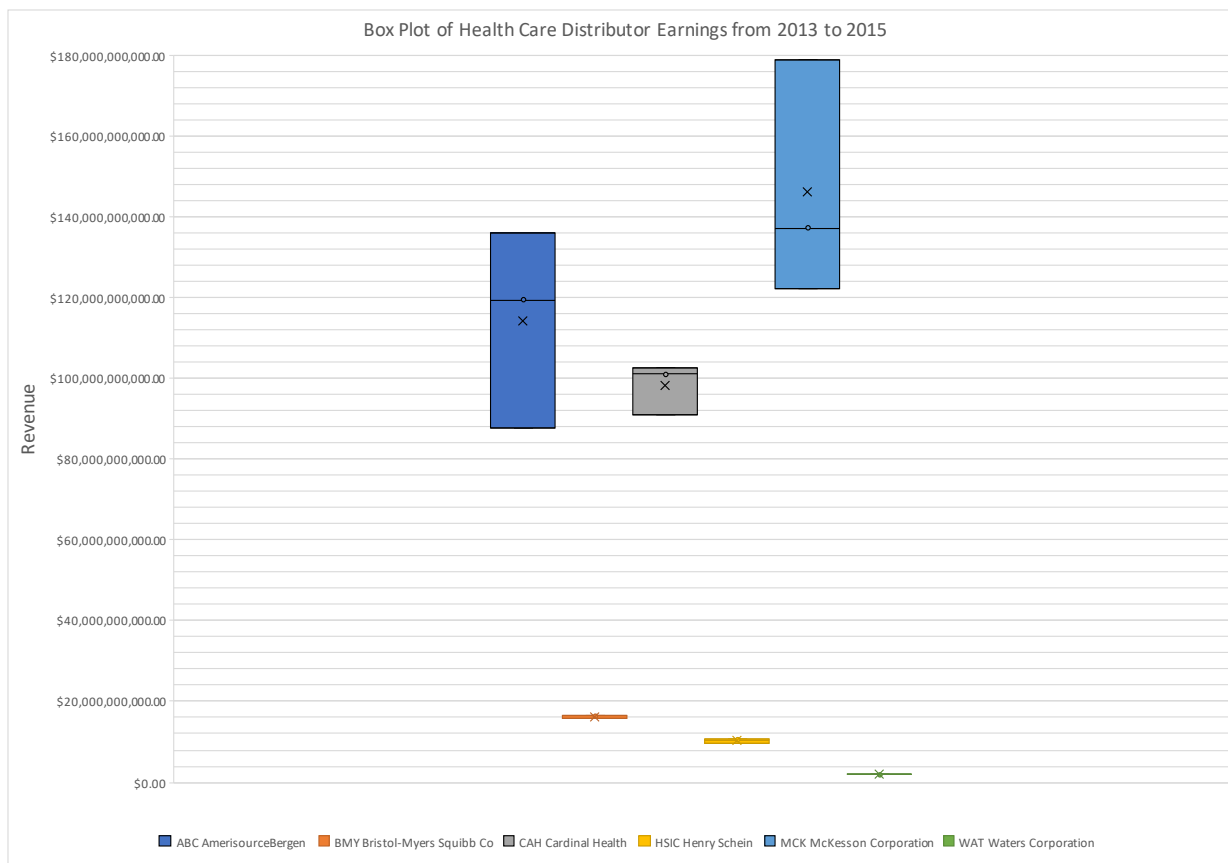
- The Energy sector has seen a drastic decline from 2% in 2014 to 52% in 2015. It has the highest deviation of 269 billion and a range of 481 billion due to its market fall. Its meaned growth rate for is -27% for those years.
- The sectors that did well on the market are: Health Care at 10%, Real Estate at 9%, Consumer Discretionary at 7%, IT at 6% and Telecommunications at 5%. For a person that doesn't have as much fund to invest, these sectors are a good starting point for diversifying their portfolio.
- The Financials and Real Estate sectors has the lowest standard of deviations at 4.8 billion and 6.2 respectively, this suggests that their annual earning are not that far from their annual revenues and thus stable markets.

Growth Rates					
Sectors	2014	2015	Variance	Mean	
Consumer Discretionary	6%	7%	1%	7%	
Consumer Staples	1%	2%	1%	2%	
Energy	-2%	-52%	-50%	-27%	
Financials	1%	-1%	-2%	0%	
Health Care	9%	12%	3%	10%	
Industrials	2%	-1%	-3%	0%	
IT	5%	7%	2%	6%	
Materials	4%	-8%	-12%	-2%	
Real Estate	10%	8%	-2%	9%	
Telecommunication	4%	7%	3%	5%	
Utilities	7%	-3%	-9%	2%	

Sectors and Yearly Earnings from 2013 to 2015				
Sectors and Mean Growth Rate	2013	2014	2015	Grand Total
Consumer Discretionary .066	\$ 1,253,135,104,000	\$ 1,332,319,553,000	\$ 1,435,979,984,000	\$ 5,623,668,607,000
Consumer Staples .015	\$ 1,389,203,539,000	\$ 1,403,938,460,000	\$ 1,433,176,833,000	\$ 5,729,663,956,000
Energy -.273	\$ 1,343,144,975,000	\$ 1,311,915,971,000	\$ 861,802,498,000	\$ 4,834,114,768,000
Financials .003	\$ 839,516,945,000	\$ 849,113,196,000	\$ 844,713,181,000	\$ 3,415,396,723,000
Health Care .104	\$ 968,538,424,000	\$ 1,063,334,023,000	\$ 1,205,934,822,000	\$ 4,455,614,002,000
Industrials .004	\$ 1,026,331,766,000	\$ 1,046,245,863,000	\$ 1,033,831,829,000	\$ 4,103,821,019,000
Information Technology .06	\$ 847,932,286,000	\$ 892,347,814,000	\$ 960,112,380,000	\$ 3,662,792,220,000
Materials -.024	\$ 280,102,204,000	\$ 290,520,675,000	\$ 267,845,555,000	\$ 1,124,278,980,000
Real Estate .087	\$ 61,899,503,000	\$ 68,647,454,000	\$ 74,335,202,000	\$ 261,218,429,000
Telecommunication .052	\$ 278,472,000,000	\$ 289,106,000,000	\$ 310,126,000,000	\$ 1,150,747,853,000
Utilities .02	\$ 259,755,001,000	\$ 278,082,544,000	\$ 270,915,907,000	\$ 1,069,025,171,000
<b>Grand Total</b>	<b>\$ 8,548,031,747,000</b>	<b>\$ 8,825,571,553,000</b>	<b>\$ 8,698,774,191,000</b>	<b>\$ 35,430,341,728,000</b>

Summary Statistics			
Mean	Median	Range	Standard Deviation
\$ 1,340,478,213,667	\$ 1,332,319,553,000	\$ 182,844,880,000	91,695,067,171
\$ 1,408,772,944,000	\$ 1,403,938,460,000	\$ 43,973,294,000	22,381,729,669
\$ 1,172,287,814,667	\$ 1,311,915,971,000	\$ 481,342,477,000	269,341,162,045
\$ 844,447,774,000	\$ 844,713,181,000	\$ 9,596,251,000	4,803,627,689
\$ 1,079,269,089,667	\$ 1,063,334,023,000	\$ 237,396,398,000	119,497,728,883
\$ 1,035,469,819,333	\$ 1,033,831,829,000	\$ 19,914,097,000	10,057,587,886
\$ 900,130,826,667	\$ 892,347,814,000	\$ 112,180,094,000	56,493,582,265
\$ 279,489,478,000	\$ 280,102,204,000	\$ 22,675,120,000	11,349,970,996
\$ 68,294,053,000	\$ 68,647,454,000	\$ 12,435,699,000	6,225,377,226
\$ 292,568,000,000	\$ 289,106,000,000	\$ 31,654,000,000	16,108,476,402
\$ 269,584,484,000	\$ 270,915,907,000	\$ 18,327,543,000	9,236,028,557

How spread out are the earnings of Health Care Distributors from 2013 to 2015?



- From this box plot of earnings of Health Care Distributors from 2013 to 2015, we can quickly assess that there is at least 70 billion dollars of revenue that separates half of the companies that is listed in this sub-industry.
- MCK McKesson posted the highest revenue of 179 billion in 2015 and is the highest in the plot. It has a mean growth rate of 17% and has the highest deviation at 29 billion because of its market dominance.
- AMC AmerisourceBergen and CAH Cardinal Health are the other two that are much separated from the box plot. Their lowest revenue are 87 billion and 91 billion respectively and does not even equal the summed three year revenues of BMJ Bristol, HSIC Henry Schein and WAT Waters Corp.
- The highest range of revenue for the Health Care Distributors was 2015 at 177 billion. That is how much McKesson's revenue when subtracted Water's Corporation's revenue

Ticker Symbol	Growth Rates			
	2014	2015	Variance	Mean
ABC	26%	12%	-14%	19%
BMJ	-3%	4%	7%	0%
CAH	-11%	11%	22%	0%
HSIC	8%	2%	-5%	5%
MCK	11%	23%	12%	17%
WAT	4%	3%	-2%	3%

Health Care Distributors Earnings from 2013 to 2015				
Ticker Symbol	2013	2013	2013	Grand Total
ABC AmerisourceBergen	\$ 87,959,167,000	\$ 119,569,127,000	\$ 135,961,803,000	\$ 343,490,097,000
BMJ Bristol-Myers Squibb Co	\$ 16,385,000,000	\$ 15,879,000,000	\$ 16,560,000,000	\$ 48,824,000,000
CAH Cardinal Health	\$ 101,093,000,000	\$ 91,084,000,000	\$ 102,531,000,000	\$ 294,708,000,000
HSIC Henry Schein	\$ 9,560,647,000	\$ 10,371,390,000	\$ 10,629,719,000	\$ 30,561,756,000
MCK McKesson Corporation	\$ 122,196,000,000	\$ 137,392,000,000	\$ 179,045,000,000	\$ 438,633,000,000
WAT Waters Corporation	\$ 1,904,218,000	\$ 1,989,344,000	\$ 2,042,332,000	\$ 5,935,894,000
<b>Grand Total</b>	<b>\$ 339,098,032,000</b>	<b>\$ 376,284,861,000</b>	<b>\$ 446,769,854,000</b>	<b>\$ 1,162,152,747,000</b>

Summary Statistics of each Corporations from 2013 to 2015				
Mean	Median	Range	Standard Deviation	
\$ 114,496,699,000	\$ 119,569,127,000	\$ 48,002,636,000	\$ 24,400,008,404	
\$ 16,274,666,667	\$ 16,385,000,000	\$ 681,000,000	\$ 353,652,843	
\$ 98,236,000,000	\$ 101,093,000,000	\$ 11,447,000,000	\$ 6,235,406,081	
\$ 10,187,252,000	\$ 10,371,390,000	\$ 1,069,072,000	\$ 557,816,132	
\$ 146,211,000,000	\$ 137,392,000,000	\$ 56,849,000,000	\$ 29,432,690,516	
\$ 1,978,631,333	\$ 1,989,344,000	\$ 138,114,000	\$ 69,677,401	

Summary Statistics of Health Care Distributors from 2013 to 2015			
	2013	2014	2015
Range of Revenue per Year	\$ 120,291,782,000	\$ 135,402,656,000	\$ 177,002,668,000
Standard of Deviation per Year	\$ 53,079,926,806	\$ 60,390,257,398	\$ 75,072,642,731
Median Revenue per Year	\$ 52,172,083,500	\$ 53,481,500,000	\$ 59,545,500,000
Mean of Revenues per Year	\$ 56,516,338,667	\$ 62,714,143,500	\$ 74,461,642,333