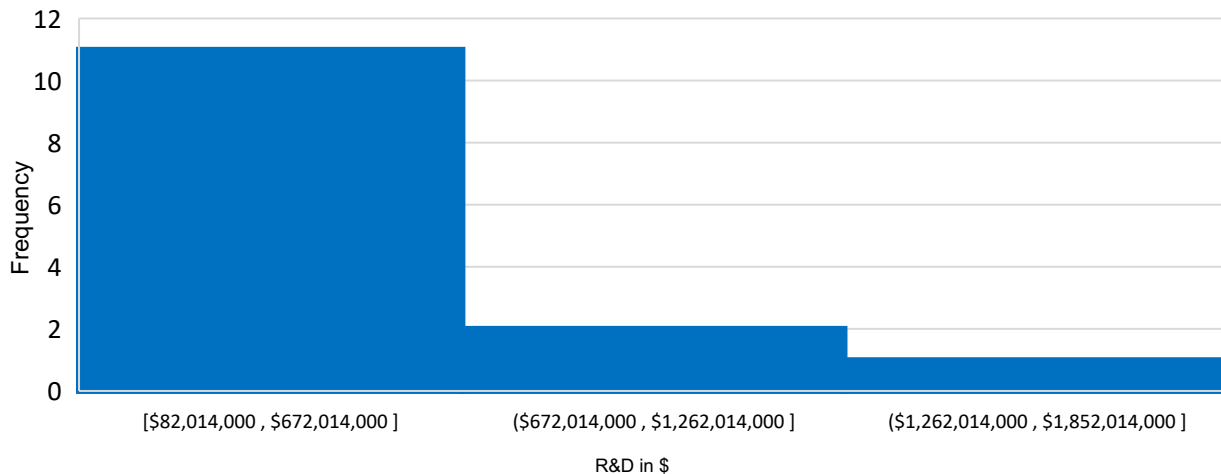


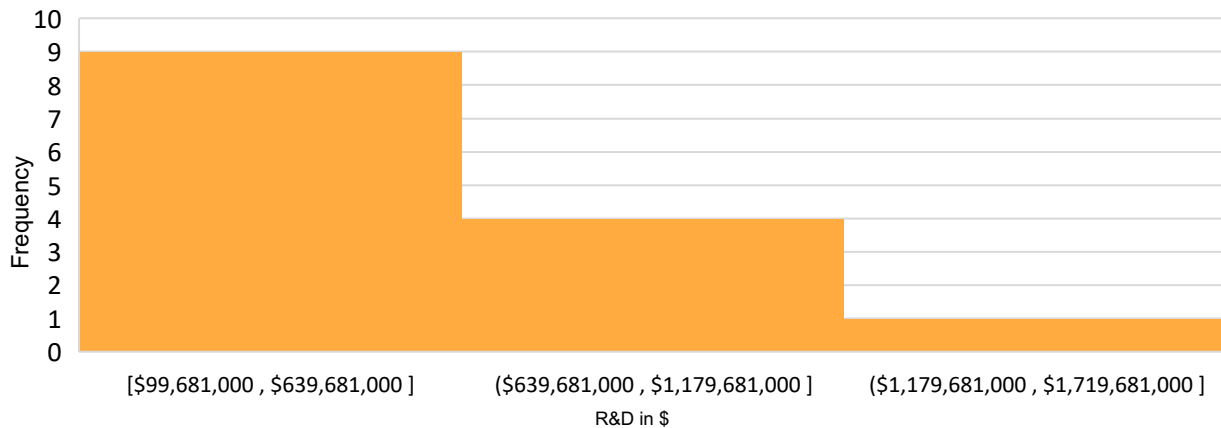
Question

Year 1 compared to Year 4 analyze the same 14 companies from the Health Care/ Health Care equipment category for Research & Development Cost.

Research & Development Year 1 Expenditure \$6,434,357,000



Research & development Year 4 Expenditure \$7,014,809,000



Histograms for the Year 1 and Year 4 for the same 14 companies for health care / health care equipment Research and Development total expenditure.

Both distributions are right-skewed or positively skewed which results from the mean being higher than the median.

Overall, there was an 8.63% increase from Year 1 to Year 4 in total research expenditure when comparing the data.

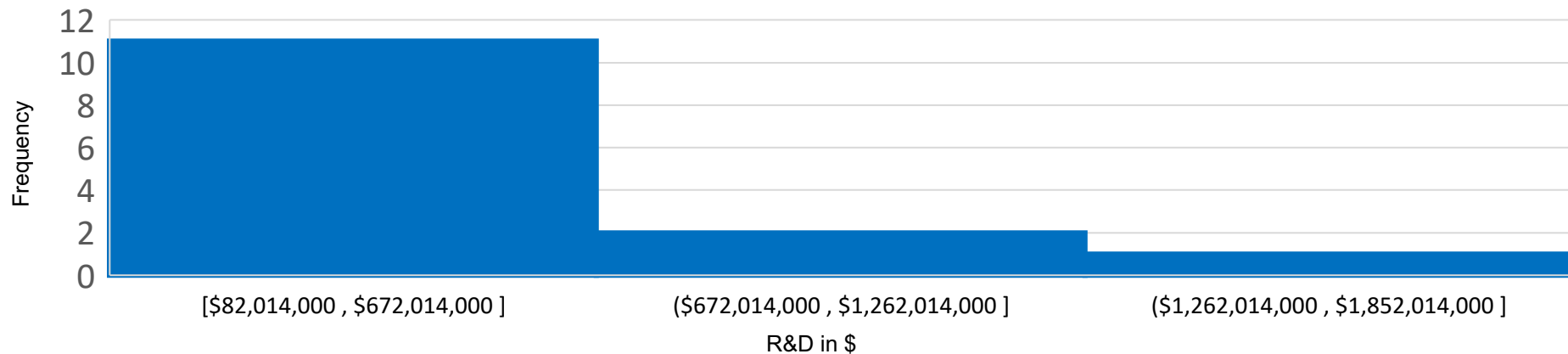
The mean for YEAR 1 is \$459 million but YEAR 4 is \$501 million.

Both the median and mode are the same for each year: YEAR 1 is \$293 million. YEAR 4 is \$337 million.

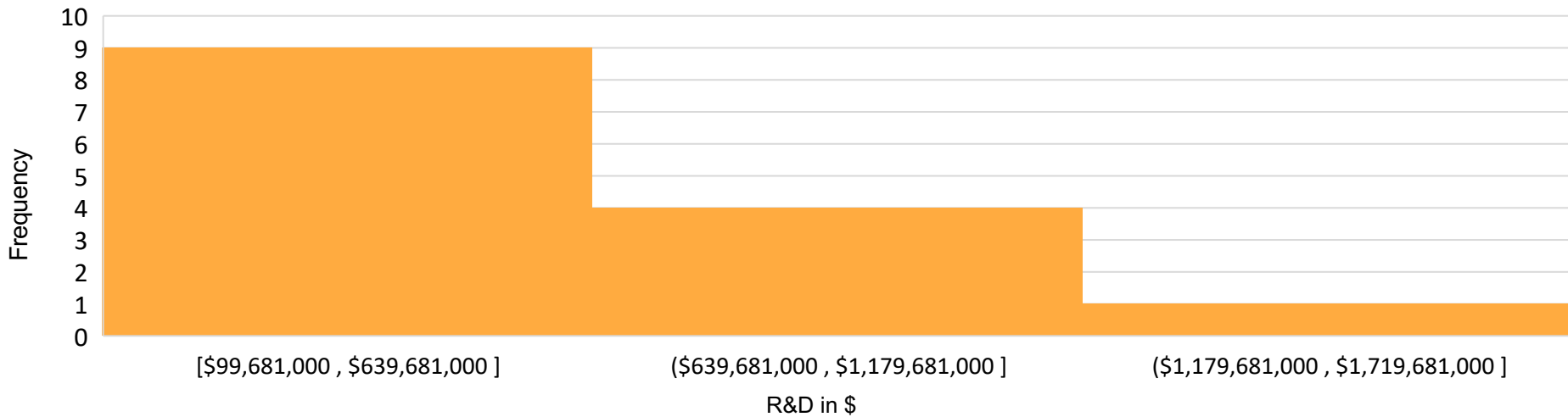
Most of the R&D expenditure for both YEAR 1 and YEAR 4 range from \$82 – \$672 million (70%).

The max expenditure from YEAR 1 and YEAR 4 is around \$1.4 billion.

Research & Development Year 1 Expenditure \$6,434,357,000



Research & development Year 4 Expenditure \$7,014,809,000



Histograms for the Year 1 and Year 4 for the same 14 companies for health care / health care equipment Research and Development total expenditure.

Both distributions are right-skewed or positively skewed which results from the mean being higher than the median.

Overall, there was an 8.63% increase from Year 1 to Year 4 in total research expenditure when comparing the data.

The mean for YEAR 1 is \$459 million but YEAR 4 is \$501 million.

Both the median and mode are the same for each year: YEAR 1 is \$293 million. YEAR 4 is \$337 million.

Most of the R&D expenditure for both YEAR 1 and YEAR 4 range from \$82 – \$672 million (70%)

The max expenditure from YEAR 1 and YEAR 4 is \$1.4 billion.