The script efficiently loads, cleans, and merges multiple healthcare datasets using pandas, handling date parsing, missing values, and duplicate rows with optimized DataFrame operations. The merging is done safely by renaming overlapping columns, but as the merged DataFrame grows, memory usage can increase — performance is generally smooth for moderate dataset sizes but might slow down on very large data. Exporting to CSV/Excel is slower due to text formatting, while Parquet and Feather offer faster, compressed binary exports suitable for big data use.