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Report

It is clear to see the significant overhead of sending a request to a separate process compared to handling the request locally. This should be expected since sending and waiting for a request takes longer than calling a function locally and producing the data. This hypothesis is proven with figure 1 demonstrating the impact of high requests to a server and the time taken to receive that data. Notice that with relatively small number of request the server can produce that data in a reasonable amount of time, however with very large number of requests the time difference is clear. Calling a function locally and producing that data is faster than sending a request and waiting for a response.

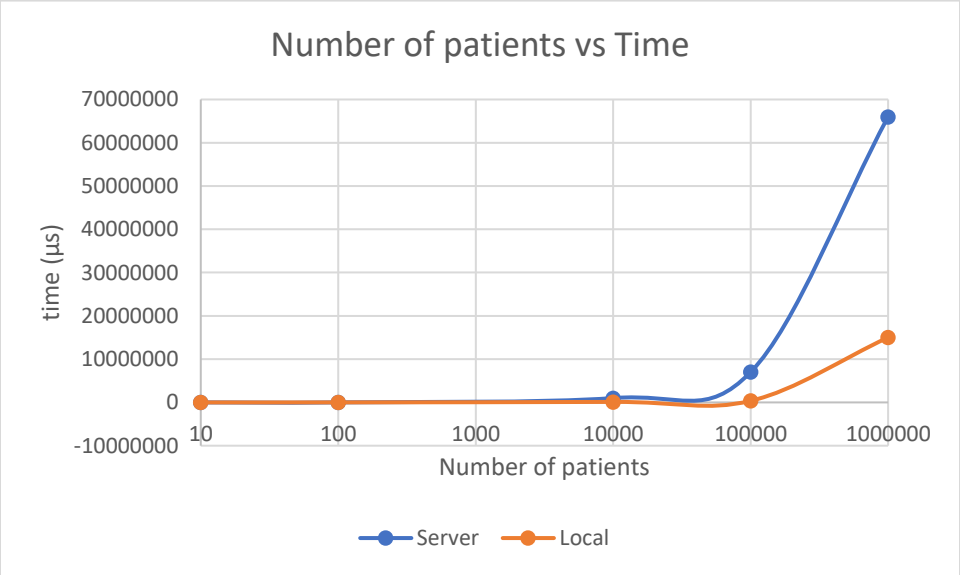

Figure 1- Comparing the time of Server vs Local calls