Program Test Data Sheet

Program Name: Patient Blood Pressure Report Developer Name: Julie Moore Date Tested: March 21, 2018

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| **Test Run** | **User Input**  Ex. Weight = 140 | **Desk Check Results**  Calculate by hand and record results | **Program Executed Results**  Run program and record how program executed, include modifications needed, if any |
| **Test 1 – Using Valid Data**  Use valid data | Patient.txt file | Number of patient records = 16  Patients with high blood pressure = 12  Average systolic value = 161 | Program functions properly |
| **Test 2 – Consult.txt doesn’t exist**  Delete consult.txt file | Patient.txt file | Number of patient records = 16  Patients with high blood pressure = 12  Average systolic value = 161 | Program functions properly. Program creates consult.txt file and writes patient records to file |
| **Test 3 – Out of range data values**  Add extra patient records to patient.txt file | Patient.txt file | IndexOutOfRangeException | Program only works with declared size of 15 |
| **Test 4 – User defined test**  Added 2 records to patient.txt with systolic levels over 120. Changed the size of the arrays to 50 and wrote in code to ReDim Preserve the arrays | Patient.txt file | Number of patient records = 18  Patients with high blood pressure = 14  Average systolic value = 165 | Program functions properly. Didn’t save results because program requirements state that arrays only hold 16 elements each. |
| **Test 5 – User defined test**  Deleted patient.txt file | Patient.txt file | Message Box – “The file is not available. Restart when the file is available” | Program functions properly |