The following bugs have been detected in NONMEM 7.5.1

1) When using ADVAN5, ADVAN7, or ADVAN8, a memory access violation occurs during the $TABLE step. One of the local arrays was not given a large enough size. This error was present since NONMEM VI, and was recently revealed with NONMEM 7.5.1's more efficient sizing of model size (PC). A work-around is to specify
   $SIZES PC=xxx
   Where xxx>=2*NCOMPARTMENTS+1
   Or, specify -prdefault for problems where NCOMPARTMENTS<=14

2) When using file passing interface (FPI) parallelization (transfer_type=0), and importance sampling estimation is requested, with MATRIX=R or RSR is requested, a memory access violation occurs if $TABLE is requested after this. A work-around is to specify transfer_type=2 instead of transfer_type=0 in the pnm file. This error has been present since NONMEM 7.4

3) When there are subjects in the data set containing no data records to be included in estimation (such as when all records of a subject have MDV=1), the "total data points normally distributed", N*log(2pi) constant, and the "total effective etas" reported in the report file may be inaccurately assessed in a parallelized problem. This error has been present since NONMEM 7.4. A work-around is to remove or comment out subjects in the data file not contributing data.

4) The $THETAR, and $THETAI commands produce an error when used with $COV SIR sampling system. This error has been present since NONMEM 7.4 Also, memory access problems occur when the SIR step is parallelized. This error has been present since NONMEM 7.5. Set $COV … RANMETHOD=P to utilize the original parallelization scheme of NONMEM 7.4.

5) When ETAS(1:x) is requested in a $TABLE record, and NOAPPEND is not specified as an option, incorrect table items will be outputted. This bug has been present since NONMEM 7.3. A work-around is to add NOAPPEND when using ETAS().

6) When using a $MODEL based ADVAN (5,6-18) and the number of compartments is only 1, an access violation can occur. Use -prdefault command line option or set $SIZES PC=3 in the control stream file.

7) Error messages from previous parallel runs may appear in a new run in NONMEM versions nm750 and nm751. To correct this from occurring, remove WK_* files from previous runs in the run directory or its worker directories to avoid appearance of these messages.

8) When more than one OMEGA/SIGMA block is defined for simulating inverse wishart distributed omegas, it incorrectly uses the values defined in the first block

for simulating values in the next blocks. In addition, incorrect simulation occurs when there are intervening fixed initial omega values. This error was present since nm6.2.0. As a work-around, define just one unfixed OMEGA block.