The CONSORT statement is used worldwide to improve the reporting of parallel group, randomized trials. It suggests creating a CONSORT diagram that represents the participant flow in the trial. The CONSORT diagram for two arm study can easily be generated using MS Word by manually entering the counts at each phase of the study. However, manual entry may be prone to error, especially when there are more than two arms in a trial. The RTF and macro functionalities of SAS® can be used to develop the CONSORT diagram. SAS reads the RTF template of CONSORT diagram specific to the trial, fills in the counts at each phase of the trial and then re-writes the final CONSORT diagram to RTF displaying the counts. This poster will provide an illustration in how RTF and SAS macros can automatically generate a CONSORT flow diagram of choice.