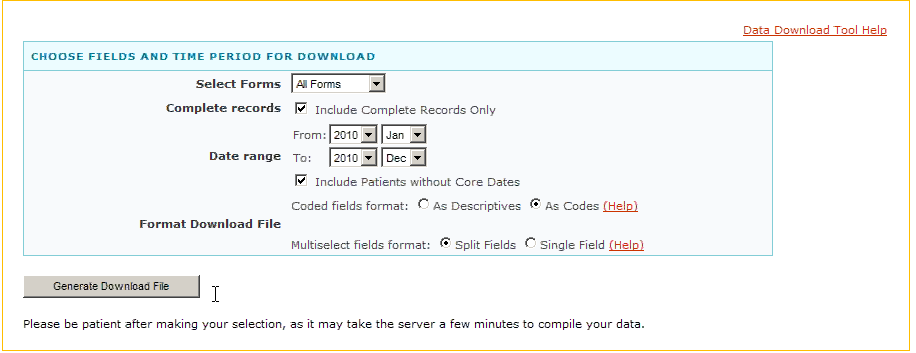
**MPOG - NSQIP interface**

* Process
  + Log into the registry.acsnsqip.org website
  + Select “Data download”
  + Select the following options:



* + Adjust the date range as necessary
  + Each site downloads their NSQIP content from the outcome science download tool
    - The site has to use specific parameters
      * “coded” instead of “descriptions”
      * “split fields” instead of “single field” for multi select options
      * “complete records only”
      * “Include cases without core dates”
    - Save that zip file into a local directory on NSQIP SCNR workstation
    - Unzip the file into a local directory
  + Launch the MPOG local interface application
    - Application switch only enables “Merge NSQIP data” option
  + Choose “Merge NSQIP data”
    - Point application at directory containing files
    - Application will import NSQIP data into local MPOG database
      * Does not import duplicate records, creates an error for any duplicate records
    - Application will attempt to match records
    - User will confirm matches and perform remaining matches
    - User alerted to unmapped cases or multiple cases, confirms they wish to discard them
* NSQIP tables
  + Contained with the MPOG\_MAS database
  + NSQIP\_Case\_Form
    - Primary key: site\_os\_id + case\_number
    - Add a column called “Transmission\_Status\_CD”
      * Identifies whether this case has been sent to the MAS\_Central
  + NSQIP\_Intraop\_Occurrences
    - Primary key: site\_os\_id + case\_number + elemdata\_seq
  + NSQIP\_Postop\_Occurrences
    - Primary key: site\_os\_id + case\_number + elemdata\_Seq
  + NSQIP\_Demographics
    - Primary key: site\_os\_id + patient\_os\_id
    - Add a column called “Transmission\_Status\_CD”
      * Identifies whether this case has been sent to the MAS\_Central
      * Requires separate column because this is not a case-linked table or row
  + NSQIP\_Concurrent\_Procedures
    - Primary key: site\_os\_id + case\_number + elemdata\_seq
  + NSQIP\_Other\_Procedures
    - Primary key: site\_os\_id + case\_number + elemdata\_Seq
  + NSQIP\_Return\_CPT\_Code
    - Primary key: site\_os\_id + case\_number + elemdata\_Seq
  + NSQIP\_Return\_ICD9\_Code
    - Primary key: site\_os\_id + case\_number + elemdata\_Seq
  + NSQIP\_MPOG\_Case\_Linking
    - MPOG\_Case\_ID (guid, auto assigned)
    - MPOG\_NSQIP\_Case\_Number (guid, auto assigned)
    - Link\_Status\_CD
      * 10 = committed link
      * 20 = proposed perfect match
      * 30 = proposed date match
      * 40 = proposed manual select match by user (ie, user clicked on it, but has not hit “commit” yet
* Matching logic
  + Reg num management
    - Strip leading zeroes from both NSQIP and AIMS reg number
    - Strip leading and trailing blanks
  + Highest confidence match
    - NSQIP regnum + Case\_Form.dt\_anes\_start (including time) = AIMS regnum + AIMS\_IntraopNotes.AIMS\_Note\_observation\_DT (including time) for concept id = 50002 (anes start)
  + Medium confidence match
    - NSQIP regnum + Case\_Form.dt\_anes\_start (without time) = exactly one AIMS regnum + AIMS\_IntraopNotes.AIMS\_Note\_observation\_DT (without time) for concept id = 50002 (anes start)
  + Manual review
    - NSQIP regnum + Case\_Form.dt\_anes\_start (without time) = more than one AIMS regnum + AIMS\_IntraopNotes.AIMS\_Note\_observation\_DT (without time) for concept id = 50002 (anes start)
    - NSQIP regnum + Case\_Form.dt\_anes\_start (without time) = NO AIMS regnum + AIMS\_IntraopNotes.AIMS\_Note\_observation\_DT (without time) for concept id = 50002 (anes start)
      * Show all AIMS cases for that reg num within two day before, day of, and two day after case\_form\_dt\_anes\_start
      * Show procedure description from mpog and from nsqip
* Deidentification / provider / patient scrubbing applied to following tables and columns
  + NSQIP\_Case\_Form
    - Comments
    - Created\_by
    - Updated\_by
  + NSQIP\_Concurrent\_Procedures
    - Created\_by
    - Updated\_by
  + NSQIP\_Intraop\_Occurrences
    - Created\_by
    - Updated\_by
    - Comments\_intra
  + NSQIP\_Other\_Procedures
    - Created\_by
    - Updated\_by
  + NSQIP\_Postop\_Occurrences
    - Comments\_post
    - Created\_by
    - Updated\_by
  + NSQIP\_Return\_CPT\_Code
    - Created\_by
    - Updated\_by
  + NSQIP\_Return\_ICD9\_Code
    - Created\_by
    - Updated\_by
* Tables not transferred (all PHI)
  + NSQIP\_Demographics