

| Age | De          | Conditions             | Unique registry | Permi | Medical   | Reco | Primary                         | Group |
|-----|-------------|------------------------|-----------------|-------|-----------|------|---------------------------------|-------|
| 40  | 3-MCC       | Deficiency In          | 277010057       | Yes   | 277010057 | CMD  | MN-University of Minnesota      |       |
| 3   | 3-MCC       | Deficiency In          | 270710075       | Yes   | 270710075 | CMD  | MN-University of Minnesota      |       |
| 1   | 3-MCC       | Deficiency In          | 270910132       | Yes   | 270910132 | CMD  | MN-University of Minnesota      |       |
| 0   | 3-MGA       | Type I Intake          | 271010158       | Yes   | 271010158 | CMD  | MN-University of Minnesota      |       |
| 4   | Biotinidase | Intake                 | 270610031       | Yes   | 270610031 | CMD  | MN-University of Minnesota      |       |
| 3   | Biotinidase | Intake                 |                 |       | 270710050 | CMD  | MN-University of Minnesota      |       |
| 6   | Biotinidase | Intake                 |                 |       | 270410056 | CMD  | MN-University of Minnesota      |       |
| 4   | Biotinidase | Intake                 |                 |       | 270610061 | CMD  | MN-University of Minnesota      |       |
| 3   | Biotinidase | Intake                 | 270710069       | Yes   | 270710069 | CMD  | MN-University of Minnesota      |       |
| 5   | Biotinidase | Intake                 |                 |       | 270510074 | CMD  | MN-University of Minnesota      |       |
| 3   | Biotinidase | Intake                 |                 |       | 270710077 | CMD  | MN-University of Minnesota      |       |
| 3   | Biotinidase | Intake                 |                 |       | 270710078 | CMD  | MN-University of Minnesota      |       |
| 8   | Biotinidase | Intake                 | 270210084       | Yes   | 270210084 | CMD  | MN-University of Minnesota      |       |
| 3   | Biotinidase | Intake                 | 270710083       | Yes   | 270710083 | CMD  | MN-University of Minnesota      |       |
| 2   | Biotinidase | Intake                 |                 |       | 270810082 | CMD  | MN-University of Minnesota      |       |
| 5   | Biotinidase | Intake                 |                 |       |           | CMD  | IN-Riley Hospital for Children  |       |
| 4   | Biotinidase | Intake                 | 270610139       | Yes   | 270610139 | CMD  | MN-University of Minnesota      |       |
| 1   | Biotinidase | Intake                 | 270910140       | Yes   | 270910140 | CMD  | MN-University of Minnesota      |       |
| 19  | Biotinidase | Intake,Bi              | 55-91-2-0013    | No    |           | CMD  | WI-Medical College of Wisconsin |       |
| 3   | Biotinidase | Interval               | 270710032       | Yes   | 270710032 | CMD  | MN-University of Minnesota      |       |
| 3   | Biotinidase | Interval,l             | 270710105       | Yes   | 270710105 | CMD  | MN-University of Minnesota      |       |
| 5   | BKT         | Deficiency Intak       | 270510142       | Yes   | 270510142 | CMD  | MN-University of Minnesota      |       |
| 1   | BKT         | Deficiency Intak       | 270910143       | Yes   | 270910143 | CMD  | MN-University of Minnesota      |       |
| 24  | BKT         | Deficiency Intak       | 268610027       | Yes   | 298610027 | CMD  | MO - U of Missouri-Columbia     |       |
| 38  | Carnitine   | Uptake Dis             | 277310019       | Yes   | 277310019 | CMD  | MN-University of Minnesota      |       |
| 36  | Carnitine   | Uptake Dis             | 277410024       | Yes   | 277410024 | CMD  | MN-University of Minnesota      |       |
| 40  | Carnitine   | Uptake Dis             | 277010028       | No    | 277010028 | CMD  | MN-University of Minnesota      |       |
| 50  | Carnitine   | Uptake Disorder Intake |                 |       | 276010038 | CMD  | MN-University of Minnesota      |       |
| 40  | Carnitine   | Uptake Disorder Intake |                 |       | 277110039 | CMD  | MN-University of Minnesota      |       |
| 37  | Carnitine   | Uptake Dis             | 277310040       | Yes   | 277310040 | CMD  | MN-University of Minnesota      |       |
| 42  | Carnitine   | Uptake Dis             | 276910066       | Yes   | 276910066 | CMD  | MN-University of Minnesota      |       |
| 31  | Carnitine   | Uptake Disorder Intake |                 |       | 271790155 | CMD  | MN-University of Minnesota      |       |
| 4   | CPT-1       | Intake                 |                 |       | 270610052 | CMD  | MN-University of Minnesota      |       |
| 5   | CPT-2       | Intake                 |                 |       | 270510026 | CMD  | MN-University of Minnesota      |       |
| 1   | CPT-2       | Intake,CPT-2 I         | 290910019       | Yes   | 290910019 | CMD  | MO - U of Missouri-Columbia     |       |
| 9   | CPT-2       | Intake,CPT-2 I         | 290110007       | Yes   | 290110007 | CMD  | MO - U of Missouri-Columbia     |       |
| 56  | CPT-2       | Interval,CPT-2         | 40541004        | No    |           | CMD  | OK - Warren Cancer Center       |       |

|   |              |     |            |                                      |
|---|--------------|-----|------------|--------------------------------------|
| 4 GA-1 Intake                               | 270610030    | Yes | 270610030  | CMD MN-University of Minnesota       |
| 2 GA-1 Intake                               | 270910048    | Yes | 270910048  | CMD MN-University of Minnesota       |
| 6 GA-1 Intake                               |              |     | 270410076  | CMD MN-University of Minnesota       |
| 6 GA-1 Intake                               | 180410034    | Yes | 180410034  | CMD IN-Riley Hospital for Children   |
| 6 GA-1 Intake                               |              |     |            | CMD OH-Cincinnati Childrens™s Hos    |
| 8 GA-1 Intake,GA-1 Intake                   | 290210023    | Yes | 290210023  | CMD MO - U of Missouri-Columbia      |
| 6 GA-1 Interval,GA-1 Intake                 | 40041006     | Yes |            | CMD OK - Warren Cancer Center        |
| 2 Galactosemia Intake                       | 270810094    | Yes | 270810094  | CMD MN-University of Minnesota       |
| 12 Galactosemia Intake                      |              |     |            | CMD OH-Cincinnati Childrens™s Hos    |
| 12 Galactosemia Intake                      |              |     |            | CMD OH-Cincinnati Childrens™s Hos    |
| 3 Galactosemia Intake                       | 270710049    | Yes | 270710049  | CMD MN-University of Minnesota       |
| 2 Galactosemia Intake                       | 270910103    | Yes | 270910103  | CMD MN-University of Minnesota       |
| 1 Galactosemia Intake                       | 270910097    | Yes | 270910097  | CMD MN-University of Minnesota       |
| 7 Galactosemia Intake                       | 270310106    | No  | 270310106  | CMD MN-University of Minnesota       |
| 4 Galactosemia Intake                       |              |     | 270610099  | CMD MN-University of Minnesota       |
| 17 Galactosemia Intake                      |              |     | 279310118  | CMD MN-University of Minnesota       |
| 12 Galactosemia Intake                      |              |     | 279810117  | CMD MN-University of Minnesota       |
| 35 Galactosemia Intake                      |              |     | 277510111  | CMD MN-University of Minnesota       |
| 14 Galactosemia Intake                      |              |     | 279610116  | CMD MN-University of Minnesota       |
| 3 Galactosemia Intake                       | 270710127    | Yes | 270710127  | CMD MN-University of Minnesota       |
| 38 Galactosemia Intake                      |              |     | 277310133  | CMD MN-University of Minnesota       |
| 5 Galactosemia Intake                       | 270510149    | Yes | 270510149  | CMD MN-University of Minnesota       |
| 3 Galactosemia Intake                       | 270710148    | Yes | 270710148  | CMD MN-University of Minnesota       |
| 17 Galactosemia Intake                      |              |     |            | CMD MN-University of Minnesota       |
| 4 Galactosemia Intake                       | 27060159     | Yes | 270610159  | CMD MN-University of Minnesota       |
| 18 Galactosemia Intake                      |              |     | 279210167  | CMD MN-University of Minnesota       |
| 1 Galactosemia Intake                       | 270910128    | Yes | 270910128  | CMD MN-University of Minnesota       |
| 11 Galactosemia Intake                      | 299910016    | Yes | 299910016  | CMD MO - U of Missouri-Columbia      |
| 19 Galactosemia Intake                      | 299110020    | Yes | 299110020  | CMD MO - U of Missouri-Columbia      |
| 8 Galactosemia Intake                       | 55-00-2-0005 | No  | 1799175    | CMD WI-Medical College of Wisconsin  |
| 4 Galactosemia Interval                     | 270710095    | Yes | 270710095  | CMD MN-University of Minnesota       |
| 5 Galactosemia Interval,Galactosemia Intake |              |     | 270510124  | CMD MN-University of Minnesota       |
| 15 HCS Deficiency Intake                    |              |     | 279510081  | CMD MN-University of Minnesota       |
| 0 HCS Deficiency Intake                     |              |     | 4.6201E+10 | CMD SD - Sanford Children's Hospital |
| 26 HMG CoA Lyase Deficiency Intake          |              |     | 278410086  | CMD MN-University of Minnesota       |
| 13 HMG CoA Lyase Deficiency Intake          | 189710035    | Yes | 189710035  | CMD IN-Riley Hospital for Children   |
| 5 IBD Intake                                | 170510020    | Yes | 170510020  | CMD IL-Children's Memorial Hospital  |
| 4 IBD Intake                                | 270610091    | Yes | 270610091  | CMD MN-University of Minnesota       |

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|--------------------------------|-----------|-----|------------|---------------------------------------|
| 1 IBD Intake,IBD Intern        | 290910024 | Yes | 290910024  | CMD MO - U of Missouri-Columbia       |
| 6 LCHAD Intake                 | 270410025 | Yes | 270410025  | CMD MN-University of Minnesota        |
| 6 LCHAD Intake                 |           |     | 270410034  | CMD MN-University of Minnesota        |
| 5 LCHAD Intake                 |           |     | 270510051  | CMD MN-University of Minnesota        |
| 15 LCHAD Intake                |           |     |            | CMD IN-Riley Hospital for Children    |
| 16 LCHAD Intake,LCHAD Interval |           |     | 279410068  | CMD MN-University of Minnesota        |
| 4 LCHAD Intake,LCHAD           | 260620003 | Yes | 260620003  | CMD MI-Wayne State University         |
| 1 LCHAD Intake,LCHAD           | 290910006 | Yes | 290910006  | CMD MO - U of Missouri-Columbia       |
| 4 MCADD                        | 170610036 | No  | 170610036  | CMD IL-Children's Memorial Hospital   |
| 6 MCADD                        | 39042006  | Yes | 390420006  | CMD OH-Nationwide Children's Hospital |
| 2 MCADD                        | 170810003 |     | 170810003  | CMD IL-Children's Memorial Hospital   |
| 2 MCADD                        |           | Yes | 170810016  | CMD IL-Children's Memorial Hospital   |
| 4 MCADD                        | 170610014 |     | 170610014  | CMD IL-Children's Memorial Hospital   |
| 6 MCADD                        | 170410015 |     | 170410015  | CMD IL-Children's Memorial Hospital   |
| 4 MCADD                        |           |     | 180610023  | CMD IN-Riley Hospital for Children    |
| 13 MCADD                       | 179810021 | No  | 179810021  | CMD IL-Children's Memorial Hospital   |
| 7 MCADD                        |           |     | 390320013  | CMD OH-Nationwide Children's Hospital |
| 1 MCADD                        |           |     | 390092014  | CMD OH-Nationwide Children's Hospital |
| 6 MCADD                        |           | Yes | 390420015  | CMD OH-Nationwide Children's Hospital |
| 6 MCADD                        |           | Yes | 390420018  | CMD OH-Nationwide Children's Hospital |
| 4 MCADD                        |           |     |            | CMD WI-Medical College of Wisconsin   |
| 1 MCADD                        | 40091008  | Yes |            | CMD OK - Warren Cancer Center         |
| 0 MCADD                        |           |     | 4.6201E+10 | CMD SD - Sanford Children's Hospital  |
| 10 MCADD                       |           |     | 4.62E+10   | CMD SD - Sanford Children's Hospital  |
| 2 MCADD                        |           |     | 4.6201E+10 | CMD SD - Sanford Children's Hospital  |
| 4 MCADD                        |           |     | 4.6201E+10 | CMD SD - Sanford Children's Hospital  |
| 22 MCADD Intake                | 278810012 | No  | 278810012  | CMD MN-University of Minnesota        |
| 9 MCADD Intake                 | 39012005  | Yes | 390120005  | CMD OH-Nationwide Children's Hospital |
| 5 MCADD Intake                 | 180510005 | Yes | 180510005  | CMD IN-Riley Hospital for Children    |
| 20 MCADD Intake                |           |     | 189010011  | CMD IN-Riley Hospital for Children    |
| 7 MCADD Intake                 |           |     | 180310018  | CMD IN-Riley Hospital for Children    |
| 3 MCADD Intake                 |           |     | 180710009  | CMD IN-Riley Hospital for Children    |
| 8 MCADD Intake                 | 180210027 | Yes | 180210027  | CMD IN-Riley Hospital for Children    |
| 4 MCADD Intake                 | 180410028 | Yes | 180410028  | CMD IN-Riley Hospital for Children    |
| 15 MCADD Intake                |           |     | 279510036  | CMD MN-University of Minnesota        |
| 2 MCADD Intake                 | 270810070 | No  | 270810070  | CMD MN-University of Minnesota        |
| 2 MCADD Intake                 | 270810071 | No  | 270810071  | CMD MN-University of Minnesota        |
| 2 MCADD Intake                 | 270810073 | Yes | 270810073  | CMD MN-University of Minnesota        |

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| 3 MCADD Intake      | 270710092 | Yes | 270710092 | CMD MN-University of Minnesota      |
| 8 MCADD Intake      | 270210085 |     | 270210085 | CMD MN-University of Minnesota      |
| 29 MCADD Intake     |           |     |           | CMD IN-Riley Hospital for Children  |
| 2 MCADD Intake      |           |     |           | CMD OH-Cincinnati Children's Hos    |
| 2 MCADD Intake      |           |     |           | CMD OH-Cincinnati Children's Hos    |
| 1 MCADD Intake      | 270910121 | Yes | 270910121 | CMD MN-University of Minnesota      |
| 1 MCADD Intake      | 270910131 | Yes | 270910131 | CMD MN-University of Minnesota      |
| 5 MCADD Intake      |           | Yes | 390520016 | CMD OH-Nationwide Children's Hospi  |
| 0 MCADD Intake      |           |     | 271010150 | CMD MN-University of Minnesota      |
| 0 MCADD Intake      | 271010160 | Yes | 271010160 | CMD MN-University of Minnesota      |
| 0 MCADD Intake      |           |     | 271010163 | CMD MN-University of Minnesota      |
| 4 MCADD Intake,MCA  | 170610035 | No  | 170610035 | CMD IL-Children's Memorial Hospital |
| 5 MCADD Intake,MCA  | 170510001 | No  | 170510001 | CMD IL-Children's Memorial Hospital |
| 4 MCADD Intake,MCA  | 170710033 | No  | 170710033 | CMD IL-Children's Memorial Hospital |
| 7 MCADD Intake,MCA  | 170310034 | No  | 170310034 | CMD IL-Children's Memorial Hospital |
| 4 MCADD Intake,MCA  | 170710017 | No  | 170710017 | CMD IL-Children's Memorial Hospital |
| 10 MCADD Intake,MCA | 170010018 | No  | 170010018 | CMD IL-Children's Memorial Hospital |
| 7 MCADD Intake,MCA  | 170310037 | No  | 170310037 | CMD IL-Children's Memorial Hospital |
| 6 MCADD Intake,MCA  | 170410038 | No  | 170410038 | CMD IL-Children's Memorial Hospital |
| 5 MCADD Intake,MCA  | 170510039 | No  | 170510039 | CMD IL-Children's Memorial Hospital |
| 5 MCADD Intake,MCA  | 170510040 | No  | 170510040 | CMD IL-Children's Memorial Hospital |
| 5 MCADD Intake,MCA  | 170510019 | No  | 170510019 | CMD IL-Children's Memorial Hospital |
| 6 MCADD Intake,MCA  | 270410001 | Yes | 270410001 | CMD MN-University of Minnesota      |
| 4 MCADD Intake,MCA  | 270610003 | Yes | 270610003 | CMD MN-University of Minnesota      |
| 4 MCADD Intake,MCA  | 270710004 | Yes | 270710004 | CMD MN-University of Minnesota      |
| 4 MCADD Intake,MCA  | 270610020 | Yes | 270610020 | CMD MN-University of Minnesota      |
| 3 MCADD Intake,MCA  | 270710005 | Yes | 270710005 | CMD MN-University of Minnesota      |
| 5 MCADD Intake,MCA  | 270510055 | No  | 270510055 | CMD MN-University of Minnesota      |
| 5 MCADD Intake,MCA  | 270510044 | No  | 270510044 | CMD MN-University of Minnesota      |
| 4 MCADD Intake,MCA  | 270610011 | No  | 270610011 | CMD MN-University of Minnesota      |
| 6 MCADD Intake,MCA  | 270410027 | No  | 270410027 | CMD MN-University of Minnesota      |
| 4 MCADD Intake,MCA  | 270610006 | Yes | 270610006 | CMD MN-University of Minnesota      |
| 4 MCADD Intake,MCA  | 270610010 | No  | 270610010 | CMD MN-University of Minnesota      |
| 8 MCADD Intake,MCA  | 270210013 | Yes | 270210013 | CMD MN-University of Minnesota      |
| 9 MCADD Intake,MCA  | 270210064 | Yes | 270210064 | CMD MN-University of Minnesota      |
| 13 MCADD Intake,MCA | 279710063 | Yes | 279710063 | CMD MN-University of Minnesota      |
| 17 MCADD Intake,MCA | 279310062 | Yes | 279310062 | CMD MN-University of Minnesota      |
| 7 MCADD Intake,MCA  | 270310014 | Yes | 270310014 | CMD MN-University of Minnesota      |

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| 2 MCADD Intake,MCA                   | 270810089 | Yes | 270810089 | CMD MN-University of Minnesota      |
| 2 MCADD Intake,MCA                   | 270810080 | Yes | 270810080 | CMD MN-University of Minnesota      |
| 7 MCADD Intake,MCA                   | 170410002 | Yes | 170410002 | CMD IL-Children's Memorial Hospital |
| 9 MCADD Intake,MCA                   | 39082001  | Yes | 390820001 | CMD OH-Nationwide Children's Hosp   |
| 5 MCADD Intake,MCA                   | 39052002  | Yes | 390520002 | CMD OH-Nationwide Children's Hosp   |
| 3 MCADD Intake,MCA                   | 39072003  | Yes | 390720003 | CMD OH-Nationwide Children's Hosp   |
| 7 MCADD Intake,MCA                   | 39032004  | Yes | 390320004 | CMD OH-Nationwide Children's Hosp   |
| 5 MCADD Intake,MCA                   | 18051003  | Yes | 180510003 | CMD IN-Riley Hospital for Children  |
| 3 MCADD Intake,MCA                   | 180710014 | Yes | 180710014 | CMD IN-Riley Hospital for Children  |
| 2 MCADD Intake,MCA                   | 180810015 | Yes | 180810015 | CMD IN-Riley Hospital for Children  |
| 2 MCADD Intake,MCA                   | 180810017 | Yes | 180810017 | CMD IN-Riley Hospital for Children  |
| 3 MCADD Intake,MCA                   | 180710024 | Yes | 180710024 | CMD IN-Riley Hospital for Children  |
| 6 MCADD Intake,MCA                   | 180610016 | Yes | 180410016 | CMD IN-Riley Hospital for Children  |
| 4 MCADD Intake,MCA                   | 180610023 | Yes | 180610023 | CMD IN-Riley Hospital for Children  |
| 7 MCADD Intake,MCA                   | 180310029 | Yes | 180310029 | CMD IN-Riley Hospital for Children  |
| 3 MCADD Intake,MCA                   | 180710031 | Yes | 180710031 | CMD IN-Riley Hospital for Children  |
| 5 MCADD Intake,MCA                   | 270510023 | No  | 270510023 | CMD MN-University of Minnesota      |
| 4 MCADD Intake,MCADD Interval Upd    |           | Yes | 390620011 | CMD OH-Nationwide Children's Hosp   |
| 10 MCADD Intake,MCA                  | 170010026 | Yes | 170010026 | CMD IL-Children's Memorial Hospital |
| 7 MCADD Intake,MCA                   | 170310027 | Yes | 170310027 | CMD IL-Children's Memorial Hospital |
| 11 MCADD Intake,MCA                  | 179910025 | Yes | 179910025 | CMD IL-Children's Memorial Hospital |
| 2 MCADD Intake,MCA                   | 290810003 | Yes | 290810003 | CMD MO - U of Missouri-Columbia     |
| 4 MCADD Intake,MCA 55/06/2/0001      |           | Yes | 1946625   | CMD WI-Medical College of Wisconsin |
| 7 MCADD Intake,MCA 55/03/2/0002      |           | No  |           | CMD WI-Medical College of Wisconsin |
| 11 MCADD Intake,MCA 55/00/2/0004     |           | No  | 550020004 | CMD WI-Medical College of Wisconsin |
| 3 MCADD Intake,MCADD Interval Upd    |           | No  | 390720017 | CMD OH-Nationwide Children's Hosp   |
| 4 MCADD Interval Upc                 | 270610035 | No  | 270610035 | CMD MN-University of Minnesota      |
| 3 MCADD Interval Upc                 | 270710067 | Yes | 270710067 | CMD MN-University of Minnesota      |
| 10 MCADD Interval Upc                | 270010021 | Yes | 270010021 | CMD MN-University of Minnesota      |
| 6 MCADD Interval Upc                 | 390520007 | Yes | 390520007 | CMD OH-Nationwide Children's Hosp   |
| 3 MCADD Interval Upc                 | 39072007  | Yes | 390720008 | CMD OH-Nationwide Children's Hosp   |
| 6 MCADD Interval Upc                 | 180410030 | Yes | 180410030 | CMD IN-Riley Hospital for Children  |
| 3 MCADD Interval Upc                 | 40071002  | No  |           | 2 CMD OK - Warren Cancer Center     |
| 2 MCADD Interval Upc                 | 40541004  | No  |           | 4 CMD OK - Warren Cancer Center     |
| 5 MCADD Interval Upc                 | 290610012 | Yes | 290610012 | CMD MO - U of Missouri-Columbia     |
| 8 MCADD Interval Update,MCADD Intake |           |     |           | CMD WI-Medical College of Wisconsin |
| 1 MCADD Interval Upc 55-09-2-0006    |           | No  |           | CMD WI-Medical College of Wisconsin |
| 10 MCADD Interval Upc 55/00/2/0007   |           | No  |           | CMD WI-Medical College of Wisconsin |

|    |  |           |     |           |                                       |
|----|--|-----------|-----|-----------|---------------------------------------|
| 5  | MCADD Interval Upc 55-05-2-0009          | No        |     |           | CMD WI-Medical College of Wisconsin   |
| 4  | MCADD Interval Upc 55-06-2-0010          | No        |     |           | CMD WI-Medical College of Wisconsin   |
| 8  | MCADD Interval Upc 55-02-2-0011          | No        |     |           | CMD WI-Medical College of Wisconsin   |
| 4  | MCADD Interval Update,MCADD,MCADD Intake |           |     |           | CMD WI-Medical College of Wisconsin   |
| 16 | MCADD,MCADD Intake                       | 189410001 | Yes | 189410001 | CMD IN-Riley Hospital for Children    |
| 32 | MCADD,MCADD Intake                       | 187810010 | Yes | 187810010 | CMD IN-Riley Hospital for Children    |
| 3  | MCADD,MCADD Intake                       |           |     | 180710002 | CMD IN-Riley Hospital for Children    |
| 9  | MCADD,MCADD Intake                       |           |     | 180210004 | CMD IN-Riley Hospital for Children    |
| 5  | MCADD,MCADD Intake                       | 180510005 | Yes | 180510006 | CMD IN-Riley Hospital for Children    |
| 6  | MCADD,MCADD Intake                       |           |     | 180410008 | CMD IN-Riley Hospital for Children    |
| 9  | MCADD,MCADD Intake                       |           |     | 180110019 | CMD IN-Riley Hospital for Children    |
| 8  | MCADD,MCADD Intake                       | 180210022 | Yes | 180210022 | CMD IN-Riley Hospital for Children    |
| 3  | MCADD,MCADD Intake                       | 180710021 | Yes | 180710021 | CMD IN-Riley Hospital for Children    |
| 8  | MCADD,MCADD Intake 55/02/2/0003          |           | No  |           | CMD WI-Medical College of Wisconsin   |
| 2  | MCADD,MCADD Intake                       | 180810007 | Yes | 180810007 | CMD IN-Riley Hospital for Children    |
| 2  | MCADD,MCADD Intake,MCADD Interval Update |           |     | 180810020 | CMD IN-Riley Hospital for Children    |
| 2  | MCADD,MCADD Intake                       | 260820002 | Yes | 260820002 | CMD MI-Wayne State University         |
| 4  | MCADD,MCADD Intake                       | 260620004 | Yes | 260620004 | CMD MI-Wayne State University         |
| 3  | MCADD,MCADD Intake                       | 260720006 | Yes | 260720006 | CMD MI-Wayne State University         |
| 2  | MCADD,MCADD Intake                       | 260920007 | Yes | 260920007 | CMD MI-Wayne State University         |
| 4  | MCADD,MCADD Intake                       | 290610015 | Yes | 290610015 | CMD MO - U of Missouri-Columbia       |
| 11 | MMA + Hcy Intake                         | 279910045 | Yes | 279910045 | CMD MN-University of Minnesota        |
| 5  | MMA + Hcy Intake                         | 270510060 | Yes | 270510060 | CMD MN-University of Minnesota        |
| 22 | MMA + Hcy Intake                         | 278810122 | Yes | 278810122 | CMD MN-University of Minnesota        |
| 8  | MMA + Hcy Intake                         |           |     | 270210138 | CMD MN-University of Minnesota        |
| 5  | MMA Intake                               | 270510043 | Yes | 270510043 | CMD MN-University of Minnesota        |
| 1  | MMA Interval                             | 400910001 | No  |           | CMD OK - Warren Cancer Center         |
| 3  | MMA Interval,MMA 40071-009               |           | Yes | 40071009  | CMD OK - Warren Cancer Center         |
| 8  | MMA Interval,MMA 40021005                |           | Yes | 3         | CMD OK - Warren Cancer Center         |
| 4  | MSUD                                     |           | Yes |           | CMD OH-Cincinnati Children's Hospital |
| 17 | MSUD                                     | 179410006 |     | 179410006 | CMD IL-Children's Memorial Hospital   |
| 9  | MSUD                                     | 170210004 |     | 170210004 | CMD IL-Children's Memorial Hospital   |
| 13 | MSUD                                     | 179710005 |     | 179710005 | CMD IL-Children's Memorial Hospital   |
| 23 | MSUD                                     | 178710013 |     | 178710013 | CMD IL-Children's Memorial Hospital   |
| 2  | MSUD                                     | 170810022 |     | 170810022 | CMD IL-Children's Memorial Hospital   |
| 4  | MSUD                                     |           |     |           | CMD OH-Cincinnati Children's Hospital |
| 29 | MSUD Intake                              |           |     | 278110009 | CMD MN-University of Minnesota        |
| 26 | MSUD Intake                              | 278410037 | Yes | 278410037 | CMD MN-University of Minnesota        |

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| 13 MSUD Intake                     |             |     | 279710058 CMD MN-University of Minnesota        |
| 16 MSUD Intake,MSUD                | 189410025   | Yes | 189410025 CMD IN-Riley Hospital for Children    |
| 7 MSUD Interval Upda               | 270310007   | Yes | 270310007 CMD MN-University of Minnesota        |
| 53 MSUD Interval Upda              | 275710008   | Yes | 275710008 CMD MN-University of Minnesota        |
| 9 MSUD,MCADD Inter                 | 290210008   | Yes | 290210008 CMD MO - U of Missouri-Columbia       |
| 9 MSUD,MSUD Intake,MSUD Interval I |             | Yes | 290110009 CMD MO - U of Missouri-Columbia       |
| 6 MSUD,MSUD Intake,                | 290410013   | Yes | 290410013 CMD MO - U of Missouri-Columbia       |
| 16 MSUD,MSUD Interv:               | 299410010   | Yes | 299410010 CMD MO - U of Missouri-Columbia       |
| 22 PA Intake                       |             |     | 278810022 CMD MN-University of Minnesota        |
| 28 PA Intake                       |             |     | 278210029 CMD MN-University of Minnesota        |
| 10 PA Intake                       |             |     | 180010068 CMD IN-Riley Hospital for Children    |
| 20 PA Intake                       | 189010037   | Yes | 189010037 CMD IN-Riley Hospital for Children    |
| 15 PA Intake                       | 189510041   | Yes | 189510041 CMD IN-Riley Hospital for Children    |
| 9 PA Intake                        | 180110038   | Yes | 180110038 CMD IN-Riley Hospital for Children    |
| 15 PA Intake                       | 189510039   | Yes | 189510039 CMD IN-Riley Hospital for Children    |
| 22 PA Intake                       | 188910040   | Yes | 188910040 CMD IN-Riley Hospital for Children    |
| 0 PA Intake                        | 46201010007 | Yes | 4.6201E+10 CMD SD - Sanford Children's Hospital |
| 3 PA Intake,PA Interva             | 290810014   | Yes | 290810014 CMD MO - U of Missouri-Columbia       |
| 0 PA Intake,PA Interva             | 291010025   | Yes | 291010025 CMD MO - U of Missouri-Columbia       |
| 7 PA Intake,PA Interva             | 290310026   | Yes | 290310026 CMD MO - U of Missouri-Columbia       |
| 4 SCAD Intake                      | 270610059   | Yes | 270610059 CMD MN-University of Minnesota        |
| 13 SCAD Intake                     | 179710011   | Yes | 179710011 CMD IL-Children's Memorial Hospital   |
| 6 SCAD Intake                      | 170410010   |     | 170410010 CMD IL-Children's Memorial Hospital   |
| 2 SCAD Intake                      | 170810023   | Yes | 170810023 CMD IL-Children's Memorial Hospital   |
| 4 SCAD Intake                      | 170610024   | Yes | 170610024 CMD IL-Children's Memorial Hospital   |
| 3 SCAD Intake                      | 180710041   | Yes | 180710042 CMD IN-Riley Hospital for Children    |
| 6 SCAD Intake,SCAD Ir              | 180410026   | Yes | 180410026 CMD IN-Riley Hospital for Children    |
| 1 SCAD Intake,SCAD Ir              | 291010022   | Yes | 291010022 CMD MO - U of Missouri-Columbia       |
| 3 SCAD Interval,SCAD 40-071-010    |             | Yes | 40071-10 CMD OK - Warren Cancer Center          |
| 2 SCAD Interval,SCAD 40081-011     |             | Yes | 40081-011 CMD OK - Warren Cancer Center         |
| 5 SCAD Interval,SCAD 55-06-2-0008  |             | No  | CMD WI-Medical College of Wisconsin             |
| 12 TFPD Intake                     | 179810009   | Yes | 179810009 CMD IL-Children's Memorial Hospital   |
| 7 TFPD Intake                      | 270310016   | Yes | 270310016 CMD MN-University of Minnesota        |
| 15 TFPD Intake                     | 279510017   | Yes | 279510017 CMD MN-University of Minnesota        |
| 7 TFPD Intake                      |             |     | 270310053 CMD MN-University of Minnesota        |
| 5 TFPD Intake                      |             |     | 270510054 CMD MN-University of Minnesota        |
| 6 VLCAD Intake                     | 170510007   |     | 170510007 CMD IL-Children's Memorial Hospital   |
| 26 VLCAD Intake                    | 178410008   |     | 178410008 CMD IL-Children's Memorial Hospital   |

|                               |                 |            |                                       |
|-------------------------------|-----------------|------------|---------------------------------------|
| 5 VLCAD Intake                | 170610012       | 170610012  | CMD IL-Children's Memorial Hospital   |
| 5 VLCAD Intake                | 270610033 Yes   | 270610033  | CMD MN-University of Minnesota        |
| 3 VLCAD Intake                | 270710079 No    | 270710079  | CMD MN-University of Minnesota        |
| 5 VLCAD Intake                |                 |            | CMD OH-Cincinnati Children's Hospital |
| 3 VLCAD Intake                |                 |            | CMD OH-Cincinnati Children's Hospital |
| 21 VLCAD Intake               |                 |            | CMD IN-Riley Hospital for Children    |
| 0 VLCAD Intake                |                 | 4.6201E+10 | CMD SD - Sanford Children's Hospital  |
| 3 VLCAD Intake,VLCAD          | 260720001 Yes   | 260720001  | CMD MI-Wayne State University         |
| 13 VLCAD Intake,VLCAD         | 189710013 Yes   | 189710013  | CMD IN-Riley Hospital for Children    |
| 5 VLCAD Intake,VLCAD          | 180510012 Yes   | 180510012  | CMD IN-Riley Hospital for Children    |
| 4 VLCAD Intake,VLCAD          | 260620005 Yes   | 260620005  | CMD MI-Wayne State University         |
| 1 VLCAD Intake,VLCAD          | 180910044 Yes   | 180910044  | CMD IN-Riley Hospital for Children    |
| 5 VLCAD Intake,VLCAD          | 290510021 Yes   | 290510021  | CMD MO - U of Missouri-Columbia       |
| 4 VLCAD Interval              | 270610015 Yes   | 270610015  | CMD MN-University of Minnesota        |
| 7 VLCAD Interval,VLCAD Intake | Yes             | 290310011  | CMD MO - U of Missouri-Columbia       |
| 0 VLCAD Interval,VLCAD        | 55-09-2-0012 No |            | CMD WI-Medical College of Wisconsin   |

| #   | Condition      |
|-----|----------------|
| 3   | 3MCC           |
| 1   | 3MGA-I         |
| 17  | Bio            |
| 3   | BKTdef         |
| 8   | CUD            |
| 5   | CPT1/2         |
| 7   | GA-I           |
| 25  | Galactosemia   |
| 2   | HCS deficiency |
| 2   | HMGCoAL        |
| 3   | IBD            |
| 7   | LCHAD          |
| 127 | MCADD          |
| 4   | MMA+ Hcy       |
| 4   | MMA            |
| 17  | MSUD           |
| 12  | PA             |
| 11  | SCAD           |
| 5   | TFP            |
| 18  | VLCAD          |
| 281 | total          |