

**Data Set Name: risepeds\_basedata.sas7bdat**

| <b>Num</b> | <b>Variable</b>    | <b>Type</b> | <b>Len</b> | <b>Label</b>                   |
|------------|--------------------|-------------|------------|--------------------------------|
| 1          | treatment          | Char        | 23         | Treatment Text                 |
| 2          | sex                | Num         | 8          | Sex (1=Male, 2=Female)         |
| 3          | RACE               | Num         | 8          | Race/Ethnicity 1=White 2=Other |
| 4          | RISE_REPOSITORY_ID | Char        | 9          | RISE Repository ID             |
| 5          | AGEGROUP           | Char        | 14         | Age group at randomization     |
| 6          | RANDPER            | Num         | 8          | Period of Randomization        |

**Data Set Name: riseped\_s\_baseline.sas7bdat**

| Num | Variable           | Type | Len | Format | Informat | Label  |
|-----|--------------------|------|-----|--------|----------|--|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        |          | RISE Repository ID                             |
| 2   | VISIT              | Char | 3   |        |          | Study Visit                                    |
| 3   | BAOSPEC1           | Char | 15  | \$15.  | \$15.    | If other, specify (anti hyper)                 |
| 4   | BAOSPEC2           | Char | 15  | \$15.  | \$15.    | If other, specify (lip low)                    |
| 5   | BAOTHSPEC          | Char | 30  | \$30.  | \$30.    | If "Other," specify:                           |
| 6   | BAACE              | Num  | 8   | 1.     |          | ACE inhibitor                                  |
| 7   | BAANTIHYP          | Num  | 8   | 1.     |          | Antihypertensives?                             |
| 8   | BAARB              | Num  | 8   | 1.     |          | ARB  |
| 9   | BABETA             | Num  | 8   | 1.     |          | Beta blocker                                   |
| 10  | BACNTRCPT          | Num  | 8   | 1.     |          | Do you use contraception?                      |
| 11  | BADIAMED           | Num  | 8   | 1.     |          | Diabetes medication?                           |
| 12  | BADIURET           | Num  | 8   | 1.     |          | Diuretic                                       |
| 13  | BADPP4             | Num  | 8   | 1.     |          | DPP-4 inhibitor                                |
| 14  | BAEXENLIRA         | Num  | 8   | 1.     |          | Exenatide or liraglutide                       |
| 15  | BAFIBRATE          | Num  | 8   | 1.     |          | Fibrate  |
| 16  | BAGLRGDISNUM       | Num  | 8   | 2.     |          | Number of pens (glargine)                      |
| 17  | BAGLRGDISP         | Num  | 8   | 1.     |          | Insulin glargine dispensed?                    |
| 18  | BAHORMCON          | Num  | 8   | 1.     |          | Hormonal contraception?                        |
| 19  | BAHYPONUM          | Num  | 8   | 2.     |          | Number of episodes mild hypoglycemia           |
| 20  | BAINHALE           | Num  | 8   | 1.     |          | Inhaled steroids                               |
| 21  | BAINJECT           | Num  | 8   | 1.     |          | Injection steroids                             |
| 22  | BAINSUL            | Num  | 8   | 1.     |          | Insulin  |
| 23  | BALIPLOW           | Num  | 8   | 1.     |          | Lipid lowering medications?                    |
| 24  | BALIRADISP         | Num  | 8   | 1.     |          | liraglutide dispensed?                         |
| 25  | BALIRANUM          | Num  | 8   | 2.     |          | Number of pens (liraglutide)                   |
| 26  | BALOWBS            | Num  | 8   | 1.     |          | Episode(s) of low blood sugar?                 |
| 27  | BAMEDS             | Num  | 8   | 1.     |          | Taken any meds?                                |
| 28  | BAMETDISP          | Num  | 8   | 1.     |          | metformin/placebo dispensed?                   |
| 29  | BAMETNUM           | Num  | 8   | 1.     |          | Number of bottles                              |
| 30  | BAMILDHYP          | Num  | 8   | 1.     |          | Repeated mild hypoglycemia?                    |
| 31  | BANIACIN           | Num  | 8   | 1.     |          | Niacin   |
| 32  | BANOBABY           | Num  | 8   |        |          | What are you doing to avoid having a baby?     |
| 33  | BAORALST           | Num  | 8   | 1.     |          | Oral steroid                                   |
| 34  | BAOSTDAYS          | Num  | 8   | 2.     |          | Total days oral steroids used since last visit |
| 35  | BAOTH1             | Num  | 8   | 1.     |          | Other (antihyper)                              |
| 36  | BAOTH2             | Num  | 8   | 1.     |          | Other (lipid lowering)                         |
| 37  | BAOTH3             | Num  | 8   | 1.     |          | Other (diabetes meds)                          |

| Num | Variable   | Type | Len | Format | Informat | Label                                  |
|-----|------------|------|-----|--------|----------|--|
| 38  | BAOTHER    | Num  | 8   | 1.     |          | Other clinically important symptoms?   |
| 39  | BAPREGTEST | Num  | 8   |        |          | Result of pregnancy test               |
| 40  | BAPSYCHO   | Num  | 8   | 1.     |          | Atypical psychotropics?                |
| 41  | BASEQUEST  | Num  | 8   | 1.     |          | Bile acid sequestrant                  |
| 42  | BASKINRASH | Num  | 8   | 1.     |          | Skin rashes?                           |
| 43  | BASTATIN   | Num  | 8   | 1.     |          | Statin                                 |
| 44  | BASTDYMET  | Num  | 8   | 1.     |          | Study Metformin                        |
| 45  | BASTER     | Num  | 8   | 1.     |          | Steroids?                              |
| 46  | BASTIM     | Num  | 8   | 1.     |          | Stimulants?                            |
| 47  | BASTOMACH  | Num  | 8   | 1.     |          | Stomach/GI problems                    |
| 48  | BASULF     | Num  | 8   | 1.     |          | Sulfonylurea                           |
| 49  | BASYMP     | Num  | 8   | 1.     |          | Symptoms of diabetes out of control    |
| 50  | BATHIAZ    | Num  | 8   | 1.     |          | Thiazolidinedione                      |
| 51  | BAWGHTLOSS | Num  | 8   |        |          | Weight loss treatments?                |
| 52  | BENONMET   | Num  | 8   | 1.     |          | Non-study metformin                    |
| 53  | BIRDEF     | Num  | 8   | 1.     |          | congenital anomaly or birth defect?    |
| 54  | DBP        | Num  | 8   | 3.     |          | Diastolic BP reading                   |
| 55  | DISABILITY | Num  | 8   | 1.     |          | Permanent or severe disability?        |
| 56  | HEIGHT1    | Num  | 8   | 5.1    |          | Height Measure 1                       |
| 57  | HEIGHT2    | Num  | 8   | 5.1    |          | Weight Measure 2                       |
| 58  | HEIGHT3    | Num  | 8   | 5.1    |          | Height Measure 3                       |
| 59  | HIP1       | Num  | 8   | 5.1    |          | Hip circumference 1                    |
| 60  | HIP2       | Num  | 8   | 5.1    |          | Hip circumference 2                    |
| 61  | HIP3       | Num  | 8   | 5.1    |          | Hip circumference 3                    |
| 62  | HOSPITAL   | Num  | 8   | 1.     |          | Required or prolonged hospitalization? |
| 63  | OTHMED     | Num  | 8   | 1.     |          | Other serious medical event?           |
| 64  | OVERDOSE   | Num  | 8   | 1.     |          | Overdose of a study medication?        |
| 65  | PREG       | Num  | 8   | 1.     |          | Pregnant?                              |
| 66  | PREVENT    | Num  | 8   | 1.     |          | Required intervention to prevent sae?  |
| 67  | SBP        | Num  | 8   | 3.     |          | Systolic BP reading                    |
| 68  | SEVHYPO    | Num  | 8   | 1.     |          | episode of hypoglycemia?               |
| 69  | THREAT     | Num  | 8   | 1.     |          | Any acute life-threatening event?      |
| 70  | WAIST1     | Num  | 8   | 5.1    |          | Waist circumference measure 1          |
| 71  | WAIST2     | Num  | 8   | 5.1    |          | Waist circumference measure 2          |
| 72  | WAIST3     | Num  | 8   | 5.1    |          | Waist circumference measure 3          |
| 73  | WEIGHT1    | Num  | 8   | 5.1    |          | Weight Measure 1                       |
| 74  | WEIGHT2    | Num  | 8   | 5.1    |          | Weight Measure 2                       |
| 75  | WEIGHT3    | Num  | 8   | 5.1    |          | Weight Measure 3                       |
| 76  | DAYSRAND   | Num  | 8   |        |          | Days since RISE Randomization          |



**Data Set Name: riseped\_s\_clamp.sas7bdat**

| Num | Variable           | Type | Len | Format | Informat | Label                             |
|-----|--------------------|------|-----|--------|----------|-----------------------------------|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        |          | RISE Repository ID                |
| 2   | VISIT              | Char | 3   |        |          | Study Visit                       |
| 3   | CLWHY              | Char | 300 | \$300. | \$300.   | Why not completed/with a problem? |
| 4   | CLAGLUC100         | Num  | 8   | 3.     |          | 14. 100 minutes*[:;]              |
| 5   | CLAGLUC110         | Num  | 8   | 3.     |          | 15. 110 minutes[:;]               |
| 6   | CLAGLUC120         | Num  | 8   | 3.     |          | 16. 120 minutes[:;]               |
| 7   | CLAGLUC30          | Num  | 8   | 3.     |          | 11. 30 minutes[:;]                |
| 8   | CLAGLUC60          | Num  | 8   | 3.     |          | 12. 60 minutes[:;]                |
| 9   | CLAGLUC90          | Num  | 8   | 3.     |          | 13. 90 minutes[:;]                |
| 10  | CLAGLUCM1          | Num  | 8   | 3.     |          | 21. -1 minute pre-argin[:;]       |
| 11  | CLAGLUCM5          | Num  | 8   | 3.     |          | 20. -5 minutes pre-argi[:;]       |
| 12  | CLAINF100          | Num  | 8   | 3.     |          | 14. 100 minutes*[:;]              |
| 13  | CLAINF110          | Num  | 8   | 3.     |          | 15. 110 minutes[:;]               |
| 14  | CLAINF120          | Num  | 8   | 3.     |          | 16. 120 minutes[:;]               |
| 15  | CLAINF30           | Num  | 8   | 3.     |          | 11. 30 minutes[:;]                |
| 16  | CLAINF60           | Num  | 8   | 3.     |          | 12. 60 minutes[:;]                |
| 17  | CLAINF90           | Num  | 8   | 3.     |          | 13. 90 minutes[:;]                |
| 18  | CLAINFM1           | Num  | 8   | 3.     |          | 21. -1 minute pre-argin[:;]       |
| 19  | CLAINFM5           | Num  | 8   | 3.     |          | 20. -5 minutes pre-argi[:;]       |
| 20  | CLATIME100M        | Num  | 8   | 3.     |          | 14. 100 minutes*[:;]              |
| 21  | CLATIME100S        | Num  | 8   | 2.     |          | 14. 100 minutes*[:;]              |
| 22  | CLATIME110M        | Num  | 8   | 3.     |          | 15. 110 minutes[:;]               |
| 23  | CLATIME110S        | Num  | 8   | 2.     |          | 15. 110 minutes[:;]               |
| 24  | CLATIME120M        | Num  | 8   | 3.     |          | 16. 120 minutes[:;]               |
| 25  | CLATIME120S        | Num  | 8   | 2.     |          | 16. 120 minutes[:;]               |
| 26  | CLATIME30M         | Num  | 8   | 3.     |          | 11. 30 minutes[:;]                |
| 27  | CLATIME30S         | Num  | 8   | 2.     |          | 11. 30 minutes[:;]                |
| 28  | CLATIME60M         | Num  | 8   | 3.     |          | 12. 60 minutes[:;]                |
| 29  | CLATIME60S         | Num  | 8   | 2.     |          | 12. 60 minutes[:;]                |
| 30  | CLATIME90M         | Num  | 8   | 3.     |          | 13. 90 minutes[:;]                |
| 31  | CLATIME90S         | Num  | 8   | 2.     |          | 13. 90 minutes[:;]                |
| 32  | CLATIMEM1M         | Num  | 8   | 3.     |          | 21. -1 minute pre-argin[:;]       |
| 33  | CLATIMEM1S         | Num  | 8   | 2.     |          | 21. -1 minute pre-argin[:;]       |
| 34  | CLATIMEM5M         | Num  | 8   | 3.     |          | 20. -5 minutes pre-argi[:;]       |
| 35  | CLATIMEM5S         | Num  | 8   | 2.     |          | 20. -5 minutes pre-argi[:;]       |
| 36  | CLBOLUS1           | Num  | 8   | 4.     |          | Stage 1 D20W glucose bolus        |
| 37  | CLBOLUS2           | Num  | 8   | 4.     |          | Stage 2 D20W glucose bolus        |

| Num | Variable     | Type | Len | Format | Informat | Label   |
|-----|--------------|------|-----|--------|----------|---|
| 38  | CLD50BOLAMT  | Num  | 8   | 2.     |          | Stage 2 D50 glucose bolus                           |
| 39  | CLD50BOLUS   | Num  | 8   | 1.     |          | Was the Stage 2 D50W glucose bolus required (50ml)? |
| 40  | CLFASTCGLM10 | Num  | 8   | 5.1    |          | -10 min fasting bedside glucose                     |
| 41  | CLFASTCGLM5  | Num  | 8   | 5.1    |          | -5 min fasting bedside glucose                      |
| 42  | CLPREP       | Num  | 8   | 1.     |          | participant prepared for the clamp test?            |
| 43  | CLPROBLEM    | Num  | 8   |        |          | Hyperglycemic clamp problems                        |
| 44  | CLQC10       | Num  | 8   | 3.     |          | Glucose value at standard (200 mg/dl)               |
| 45  | CLURINE      | Num  | 8   | 4.     |          | URINE at end STAGE 1                                |
| 46  | WEIGHT       | Num  | 8   | 5.1    |          | Weight  |
| 47  | DAYSRAND     | Num  | 8   |        |          | Days since RISE Randomization                       |

**Data Set Name: risepede\_clampdata.sas7bdat**

| Num | Variable           | Type | Len | Label                           |
|-----|--------------------|------|-----|---------------------------------|
| 1   | RISE_REPOSITORY_ID | Char | 9   | RISE Repository ID              |
| 2   | VISIT              | Char | 3   | Study Visit                     |
| 3   | gluc120            | Num  | 8   | Clamp Glucose 120 min (mg/dl)   |
| 4   | gluc_10            | Num  | 8   | Clamp Glucose -10 min (mg/dl)   |
| 5   | gluc_05            | Num  | 8   | Clamp Glucose -5 min (mg/dl)    |
| 6   | gluc010            | Num  | 8   | Clamp Glucose 10 min (mg/dl)    |
| 7   | gluc030            | Num  | 8   | Clamp Glucose 30 min (mg/dl)    |
| 8   | gluc060            | Num  | 8   | Clamp Glucose 60 min (mg/dl)    |
| 9   | gluc090            | Num  | 8   | Clamp Glucose 90 min (mg/dl)    |
| 10  | ins_10             | Num  | 8   | Clamp Insulin -10 min (uU/ml)   |
| 11  | ins_05             | Num  | 8   | Clamp Insulin -5 min (uU/ml)    |
| 12  | ins010             | Num  | 8   | Clamp Insulin 10 min (uU/ml)    |
| 13  | ins030             | Num  | 8   | Clamp Insulin 30 min (uU/ml)    |
| 14  | ins060             | Num  | 8   | Clamp Insulin 60 min (uU/ml)    |
| 15  | ins090             | Num  | 8   | Clamp Insulin 90 min (uU/ml)    |
| 16  | ins120             | Num  | 8   | Clamp Insulin 120 min (uU/ml)   |
| 17  | cpep_10            | Num  | 8   | Clamp C-peptide -10 min (ng/ml) |
| 18  | cpep_05            | Num  | 8   | Clamp C-peptide -5 min (ng/ml)  |
| 19  | cpep010            | Num  | 8   | Clamp C-peptide 10 min (ng/ml)  |
| 20  | cpep030            | Num  | 8   | Clamp C-peptide 30 min (ng/ml)  |
| 21  | cpep060            | Num  | 8   | Clamp C-peptide 60 min (ng/ml)  |
| 22  | cpep090            | Num  | 8   | Clamp C-peptide 90 min (ng/ml)  |
| 23  | cpep120            | Num  | 8   | Clamp C-peptide 120 min (ng/ml) |
| 24  | gluc002            | Num  | 8   | Clamp Glucose 2 min (mg/dl)     |
| 25  | gluc004            | Num  | 8   | Clamp Glucose 4 min (mg/dl)     |
| 26  | gluc006            | Num  | 8   | Clamp Glucose 6 min (mg/dl)     |
| 27  | gluc008            | Num  | 8   | Clamp Glucose 8 min (mg/dl)     |
| 28  | gluc100            | Num  | 8   | Clamp Glucose 100 min (mg/dl)   |
| 29  | gluc110            | Num  | 8   | Clamp Glucose 110 min (mg/dl)   |
| 30  | gluc155            | Num  | 8   | Clamp Glucose 155 min (mg/dl)   |
| 31  | gluc159            | Num  | 8   | Clamp Glucose 159 min (mg/dl)   |
| 32  | gluc162            | Num  | 8   | Clamp Glucose 162 min (mg/dl)   |
| 33  | gluc163            | Num  | 8   | Clamp Glucose 163 min (mg/dl)   |
| 34  | gluc164            | Num  | 8   | Clamp Glucose 164 min (mg/dl)   |
| 35  | gluc165            | Num  | 8   | Clamp Glucose 165 min (mg/dl)   |
| 36  | ins002             | Num  | 8   | Clamp Insulin 2 min (uU/ml)     |
| 37  | ins004             | Num  | 8   | Clamp Insulin 4 min (uU/ml)     |

| Num | Variable        | Type | Len | Label   |
|-----|-----------------|------|-----|---|
| 38  | ins006          | Num  | 8   | Clamp Insulin 6 min (uU/ml)                             |
| 39  | ins008          | Num  | 8   | Clamp Insulin 8 min (uU/ml)                             |
| 40  | ins100          | Num  | 8   | Clamp Insulin 100 min (uU/ml)                           |
| 41  | ins110          | Num  | 8   | Clamp Insulin 110 min (uU/ml)                           |
| 42  | ins155          | Num  | 8   | Clamp Insulin 155 min (uU/ml)                           |
| 43  | ins159          | Num  | 8   | Clamp Insulin 159 min (uU/ml)                           |
| 44  | ins162          | Num  | 8   | Clamp Insulin 162 min (uU/ml)                           |
| 45  | ins163          | Num  | 8   | Clamp Insulin 163 min (uU/ml)                           |
| 46  | ins164          | Num  | 8   | Clamp Insulin 164 min (uU/ml)                           |
| 47  | ins165          | Num  | 8   | Clamp Insulin 165 min (uU/ml)                           |
| 48  | cpep002         | Num  | 8   | Clamp C-peptide 2 min (ng/ml)                           |
| 49  | cpep004         | Num  | 8   | Clamp C-peptide 4 min (ng/ml)                           |
| 50  | cpep006         | Num  | 8   | Clamp C-peptide 6 min (ng/ml)                           |
| 51  | cpep008         | Num  | 8   | Clamp C-peptide 8 min (ng/ml)                           |
| 52  | cpep100         | Num  | 8   | Clamp C-peptide 100 min (ng/ml)                         |
| 53  | cpep110         | Num  | 8   | Clamp C-peptide 110 min (ng/ml)                         |
| 54  | cpep155         | Num  | 8   | Clamp C-peptide 155 min (ng/ml)                         |
| 55  | cpep159         | Num  | 8   | Clamp C-peptide 159 min (ng/ml)                         |
| 56  | cpep162         | Num  | 8   | Clamp C-peptide 162 min (ng/ml)                         |
| 57  | cpep163         | Num  | 8   | Clamp C-peptide 163 min (ng/ml)                         |
| 58  | cpep164         | Num  | 8   | Clamp C-peptide 164 min (ng/ml)                         |
| 59  | cpep165         | Num  | 8   | Clamp C-peptide 165 min (ng/ml)                         |
| 60  | GIR             | Num  | 8   | Glucose infusion rate as mg/min (infrate*(D20gluc/100)) |
| 61  | insulin_steady  | Num  | 8   | SS insulin (uU/ml)                                      |
| 62  | M_I             | Num  | 8   | M/I * 1000 (mg/kg/min/pg/L)                             |
| 63  | cpeptide_steady | Num  | 8   | Clamp C-Peptide at steady state (ng/dL)                 |
| 64  | ACPRmax         | Num  | 8   | ACPRmax incremental mean (cpeptide)                     |
| 65  | airmax          | Num  | 8   | AIRmax incremental mean (Insulin)                       |
| 66  | ACPRg           | Num  | 8   | Clamp ACPRg, (ng/dL)                                    |
| 67  | AIRg            | Num  | 8   | AIRg (Insulin)  |
| 68  | glucagon100     | Num  | 8   | Clamp Glucagon 100 min (pM/L)                           |
| 69  | glucagon110     | Num  | 8   | Clamp Glucagon 110 min (pM/L)                           |
| 70  | glucagon155     | Num  | 8   | Clamp Glucagon 155 min (pM/L)                           |
| 71  | glucagon159     | Num  | 8   | Clamp Glucagon 159 min (pM/L)                           |
| 72  | glucagon162     | Num  | 8   | Clamp Glucagon 162 min (pM/L)                           |
| 73  | glucagon163     | Num  | 8   | Clamp Glucagon 163 min (pM/L)                           |
| 74  | glucagon164     | Num  | 8   | Clamp Glucagon 164 min (pM/L)                           |
| 75  | glucagon165     | Num  | 8   | Clamp Glucagon 165 min (pM/L)                           |
| 76  | glucagon_10     | Num  | 8   | Clamp Glucagon -10 min (pM/L)                           |



| <b>Num</b> | <b>Variable</b> | <b>Type</b> | <b>Len</b> | <b>Label</b>                  |
|------------|-----------------|-------------|------------|-------------------------------|
| 77         | glucagon_05     | Num         | 8          | Clamp Glucagon -5 min (pM/L)  |
| 78         | glucagon120     | Num         | 8          | Clamp Glucagon 120 min (pM/L) |

**Data Set Name: risepeds\_exitform.sas7bdat**

| Num | Variable           | Type | Len | Format  | Informat | Label  |
|-----|--------------------|------|-----|---------|----------|--|
| 1   | RISE_REPOSITORY_ID | Char | 9   |         |          | RISE Repository ID   |
| 2   | VISIT              | Char | 3   | \$F3.   | \$F3.    | Study Visit  |
| 3   | EXBDIFSPEC         | Char | 25  | \$25.   | \$25.    | Specify:   |
| 4   | EXDMETPLACTK       | Char | 2   | \$2.    | \$2.     | Would you consider taking metformin for a longer time period if recommended by your doctor? (Metformin/Placebo Ppts) |
| 5   | EXEMOTIV           | Char | 299 | \$299.  | \$299.   | What motivated you to join the RISE study?   |
| 6   | EXELIKE            | Char | 287 | \$287.  | \$287.   | What did you like best about participating in the RISE study?  |
| 7   | EXEDISLIKE         | Char | 237 | \$237.  | \$237.   | What did you dislike the most about the RISE study?  |
| 8   | EXEADDCOMM         | Char | 268 | \$268.  | \$268.   | Please share any additional comments about the RISE study.   |
| 9   | EXACARE            | Num  | 8   | BEST12. | F12.     | I received good care for my diabetes or prediabetes.   |
| 10  | EXAFAM             | Num  | 8   | BEST12. | F12.     | I had the support of my family or friends to participate in RISE.  |
| 11  | EXAHELP            | Num  | 8   | BEST12. | F12.     | I was part of a large study to learn more about diabetes and prediabetes and help others.                            |
| 12  | EXAHISTORY         | Num  | 8   | BEST12. | F12.     | I have a history of diabetes in my family.   |
| 13  | EXAMEDS            | Num  | 8   | BEST12. | F12.     | I received free diabetes medicines and supplies.   |
| 14  | EXAMOTIV           | Num  | 8   | BEST12. | F12.     | I am motivated to take care of my health.  |
| 15  | EXAPAID            | Num  | 8   | BEST12. | F12.     | I was paid to come to RISE visits.   |
| 16  | EXATESTS           | Num  | 8   | BEST12. | F12.     | I received medical tests and procedures.   |
| 17  | EXATRUST           | Num  | 8   | BEST12. | F12.     | I have a longstanding and trusting relationship with my RISE medical team.   |
| 18  | EXBDIF             | Num  | 8   | BEST12. | F12.     | I had a different problem (write in):  |
| 19  | EXBDISAP           | Num  | 8   | BEST12. | F12.     | I worried that the RISE study team will be disappointed in how I am taking care of my diabetes.                      |
| 20  | EXBMEDPR           | Num  | 8   | BEST12. | F12.     | Other medical problems made it hard to take care of my diabetes or prediabetes.                                      |
| 21  | EXBMEDS            | Num  | 8   | BEST12. | F12.     | I did not like taking the RISE medications.  |
| 22  | EXBMJRPROB         | Num  | 8   | BEST12. | F12.     | I did not consider my diabetes/prediabetes to be a major problem in my life.   |
| 23  | EXBSCHED           | Num  | 8   | BEST12. | F12.     | I had conflicts with school, work, or family responsibilities and it was difficult to schedule visits.               |
| 24  | EXBSMBG            | Num  | 8   | BEST12. | F12.     | I did not like testing my blood sugar. (Leave blank if not applicable)   |
| 25  | EXBSTAFF           | Num  | 8   | BEST12. | F12.     | I had a hard time interacting with the RISE study staff.   |
| 26  | EXBTALK            | Num  | 8   | BEST12. | F12.     | I didn't want to talk or think about my health.  |
| 27  | EXBTIME            | Num  | 8   | BEST12. | F12.     | I had difficulty with the length and time of RISE study visits.  |
| 28  | EXBTRANSP          | Num  | 8   | BEST12. | F12.     | I had difficulty getting to RISE study visits due to problems with transportation, or weather problems.              |
| 29  | EXBTSTQST          | Num  | 8   | BEST12. | F12.     | I did not like the testing and being asked so many questions.  |
| 30  | EXCANOTHER         | Num  | 8   | F1.     | F1.      | Based on your experience with RISE, would you participate in another research study?                                 |
| 31  | EXCANOTHER2        | Num  | 8   | F1.     | F1.      | Would you consider participating in another research study?  |

| Num | Variable     | Type | Len | Format  | Informat | Label  |
|-----|--------------|------|-----|---------|----------|--|
| 32  | EXCANOTHWHY  | Num  | 8   | BEST12. | F12.     | If NO, please select the primary reason that you would not participate in another research study from the list below.                    |
| 33  | EXCEXPL      | Num  | 8   | F1.     | F1.      | Did you feel the study requirements were adequately explained before starting the study?   |
| 34  | EXCFIRST     | Num  | 8   | F1.     | F1.      | Is this the first research study in which you have participated?   |
| 35  | EXCGAIN      | Num  | 8   | F1.     | F1.      | Do you feel that you gained anything personally from participation in the study?   |
| 36  | EXDGLGLRGMET | Num  | 8   | F1.     | F1.      | Would you consider taking insulin glargine for a longer time period if recommended by your doctor? (Glargine followed by metformin ppts) |
| 37  | EXDGLMETTAKE | Num  | 8   | F1.     | F1.      | Would you consider taking metformin for a longer time period if recommended by your doctor? (Glargine followed by metformin ppts)        |
| 38  | EXDLIRATAKE  | Num  | 8   | F1.     | F1.      | Would you consider taking liraglutide for a longer time period if recommended by your doctor? (liraglutide ppts)                         |
| 39  | EXDLIRMETTAK | Num  | 8   | F1.     | F1.      | Would you consider taking metformin for a longer time period if recommended by your doctor? (liraglutide ppts)                           |
| 40  | EXDMETPLACT0 | Num  | 8   | F1.     | F1.      | Would you consider taking metformin for a longer time period if recommended by your doctor? (Metformin/Placebo Ppts)                     |
| 41  | EXDMETTAKE   | Num  | 8   | F1.     | F1.      | Would you consider taking metformin for a longer time period if recommended by your doctor? (metformin alone ped ppts)                   |
| 42  | EXLRGPILLS   | Num  | 8   | BEST12. | F12.     | I thought the pills were too large.  |
| 43  | EXMEDSGEN    | Num  | 8   | BEST12. | F12.     | I do not like taking medications in general.   |
| 44  | EXNEEDLE     | Num  | 8   | BEST12. | F12.     | I dislike using needles.   |
| 45  | EXSIDEFX     | Num  | 8   | BEST12. | F12.     | The medication caused side effects (stomach issues, headaches, etc).   |
| 46  | EXWGHT       | Num  | 8   | BEST12. | F12.     | The medication caused me to gain weight.   |
| 47  | DAYSRAND     | Num  | 8   |         |          | Days since RISE Randomization  |

**Data Set Name: riseped\_s\_history.sas7bdat**

| Num | Variable           | Type | Len | Format | Label   |
|-----|--------------------|------|-----|--------|---|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        | RISE Repository ID                                  |
| 2   | VISIT              | Char | 3   |        | Study Visit   |
| 3   | HIADULTS           | Num  | 8   | 2.     | Adults 18 and older                                 |
| 4   | HIAGELAST          | Num  | 8   | 2.     | How old was she at her last period?                 |
| 5   | HIBIRTHDK          | Num  | 8   | 1.     | Don't know birth weight                             |
| 6   | HIBIRTHGRM         | Num  | 8   | 4.     | participant's birth weight in grams                 |
| 7   | HIBIRTHLBS         | Num  | 8   | 2.     | Participants Birth weight pounds                    |
| 8   | HIBIRTHOZ          | Num  | 8   | 2.     | Participant's birth weight ounces                   |
| 9   | HIDEPRESS          | Num  | 8   | 1.     | Depression  |
| 10  | HIFATS             | Num  | 8   | 1.     | Any lipid abnormality                               |
| 11  | HIHEART            | Num  | 8   | 1.     | Heart disease                                       |
| 12  | HIHIGHBP           | Num  | 8   | 1.     | High blood pressure                                 |
| 13  | HIHOUSE            | Num  | 8   | 2.     | Total (Adults plus children)                        |
| 14  | HIINCOME           | Num  | 8   |        | total income of household                           |
| 15  | HIKIDS             | Num  | 8   | 2.     | Children (<18 years)                                |
| 16  | HIMENST            | Num  | 8   |        | participant still menstruating?                     |
| 17  | HIMOMDIA           | Num  | 8   |        | participant's monther ever diagnosed with diabetes? |
| 18  | HIPCOS             | Num  | 8   | 1.     | Polycystic ovaries?                                 |
| 19  | HIPERAGE           | Num  | 8   | 2.     | Age when periods began                              |
| 20  | HIPERIOD           | Num  | 8   |        | Has the participant had her first period?           |
| 21  | HIPERNUM           | Num  | 8   | 2.     | Number of periods in the past 12 months             |
| 22  | HIPRGDIAAWAY       | Num  | 8   |        | diabetes go away after the participant was born?    |
| 23  | HIPRGDIAOTH        | Num  | 8   |        | ppt's monther have diabetes during other pregnant?  |
| 24  | HIPRGDIAPPT        | Num  | 8   |        | ppt's monther have diabetes when pregnant with ppt? |
| 25  | HISCHOOL           | Num  | 8   |        | Highest degree or level of school                   |
| 26  | HISLEEP            | Num  | 8   | 1.     | Sleep apnea   |
| 27  | DAYSRAND           | Num  | 8   |        | Days since RISE Randomization                       |

**Data Set Name: risepeds\_loclab.sas7bdat**

| <b>Num</b> | <b>Variable</b>    | <b>Type</b> | <b>Len</b> | <b>Format</b> | <b>Label</b>                                 |
|------------|--------------------|-------------|------------|---------------|--|
| 1          | RISE_REPOSITORY_ID | Char        | 9          |               | RISE Repository ID                           |
| 2          | VISIT              | Char        | 3          |               | Study Visit                                  |
| 3          | LOALT              | Num         | 8          | 5.1           | ALT  |
| 4          | LOHBA1C            | Num         | 8          | 4.1           | HbA1c (if processed locally, see note above) |
| 5          | LOHEMAT            | Num         | 8          | 4.1           | Hematocrit                                   |
| 6          | LOHEMOG            | Num         | 8          | 4.1           | Hemoglobin                                   |
| 7          | LOSERCRT           | Num         | 8          | 3.1           | Serum creatinine                             |
| 8          | DAYSRAND           | Num         | 8          |               | Days since RISE Randomization                |

**Data Set Name: risepeds\_ogtt.sas7bdat**

| Num | Variable           | Type | Len | Format | Informat | Label   |
|-----|--------------------|------|-----|--------|----------|---|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        |          | RISE Repository ID                                    |
| 2   | VISIT              | Char | 3   |        |          | Study Visit   |
| 3   | OGGLEN1            | Char | 3   | \$3.   | \$3.     | Time glucose consumption ended minutes                |
| 4   | OGCOMPLETE         | Num  | 8   |        |          | OGTT completed/with/without problem                   |
| 5   | OGDRAW10M          | Num  | 8   | 3.     |          | Time 10 min sample drawn minutes                      |
| 6   | OGDRAW10S          | Num  | 8   | 2.     |          | Time 10 min sample drawn seconds                      |
| 7   | OGDRAW120M         | Num  | 8   | 3.     |          | Time 120 min sample drawn minutes                     |
| 8   | OGDRAW120S         | Num  | 8   | 2.     |          | Time 120 min sample drawn seconds                     |
| 9   | OGDRAW150M         | Num  | 8   | 3.     |          | Time 150 min sample drawn minutes                     |
| 10  | OGDRAW150S         | Num  | 8   | 2.     |          | Time 150 min sample drawn seconds                     |
| 11  | OGDRAW180M         | Num  | 8   | 3.     |          | Time 180 min sample drawn minutes                     |
| 12  | OGDRAW180S         | Num  | 8   | 2.     |          | Time 180 min sample drawn seconds                     |
| 13  | OGDRAW20M          | Num  | 8   | 3.     |          | Time 20 min sample drawn minutes                      |
| 14  | OGDRAW20S          | Num  | 8   | 2.     |          | Time 20 min sample drawn seconds                      |
| 15  | OGDRAW30M          | Num  | 8   | 3.     |          | Time 30 min sample drawn minutes                      |
| 16  | OGDRAW30S          | Num  | 8   | 2.     |          | Time 30 min sample drawn seconds                      |
| 17  | OGDRAW60M          | Num  | 8   | 3.     |          | Time 60 min sample drawn minutes                      |
| 18  | OGDRAW60S          | Num  | 8   | 2.     |          | Time 60 min sample drawn seconds                      |
| 19  | OGDRAW90M          | Num  | 8   | 3.     |          | Time 90 min sample drawn minutes                      |
| 20  | OGDRAW90S          | Num  | 8   | 2.     |          | Time 90 min sample drawn seconds                      |
| 21  | OGFAST             | Num  | 8   | 1.     |          | Fasting finger-stick blood sugar elevated?            |
| 22  | OGFSTTIME1         | Num  | 8   | TIME5. |          | Time of 1st fasting blood sample (-10 min)            |
| 23  | OGFSTTIME2         | Num  | 8   | TIME5. |          | Time of 2nd fasting blood sample (-5 min)             |
| 24  | OGGLUEND2          | Num  | 8   | 2.     |          | Time glucose consumption ended seconds                |
| 25  | OGPREP             | Num  | 8   | 1.     |          | Participant prepared for the OGTT?                    |
| 26  | OGPROBWHY          | Num  | 8   |        |          | Why OGTT "completed with problem" or "not completed"? |
| 27  | DAYSRAND           | Num  | 8   |        |          | Days since RISE Randomization                         |

**Data Set Name: riseped\_s\_ogttdata.sas7bdat**

| Num | Variable           | Type | Len | Label                          |
|-----|--------------------|------|-----|--------------------------------|
| 1   | RISE_REPOSITORY_ID | Char | 9   | RISE Repository ID             |
| 2   | VISIT              | Char | 3   | Study Visit                    |
| 3   | gluc120            | Num  | 8   | OGTT Glucose 120 min (mg/dl)   |
| 4   | gluc_10            | Num  | 8   | OGTT Glucose -10 min (mg/dl)   |
| 5   | gluc_05            | Num  | 8   | OGTT Glucose -5 min (mg/dl)    |
| 6   | gluc010            | Num  | 8   | OGTT Glucose 10 min (mg/dl)    |
| 7   | gluc020            | Num  | 8   | OGTT Glucose 20 min (mg/dl)    |
| 8   | gluc030            | Num  | 8   | OGTT Glucose 30 min (mg/dl)    |
| 9   | gluc060            | Num  | 8   | OGTT Glucose 60 min (mg/dl)    |
| 10  | gluc090            | Num  | 8   | OGTT Glucose 90 min (mg/dl)    |
| 11  | gluc150            | Num  | 8   | OGTT Glucose 150 min (mg/dl)   |
| 12  | gluc180            | Num  | 8   | OGTT Glucose 180 min (mg/dl)   |
| 13  | ins_10             | Num  | 8   | OGTT Insulin -10 min (uU/ml)   |
| 14  | ins_05             | Num  | 8   | OGTT Insulin -5 min (uU/ml)    |
| 15  | ins010             | Num  | 8   | OGTT Insulin 10 min (uU/ml)    |
| 16  | ins020             | Num  | 8   | OGTT Insulin 20 min (uU/ml)    |
| 17  | ins030             | Num  | 8   | OGTT Insulin 30 min (uU/ml)    |
| 18  | ins060             | Num  | 8   | OGTT Insulin 60 min (uU/ml)    |
| 19  | ins090             | Num  | 8   | OGTT Insulin 90 min (uU/ml)    |
| 20  | ins120             | Num  | 8   | OGTT Insulin 120 min (uU/ml)   |
| 21  | ins150             | Num  | 8   | OGTT Insulin 150 min (uU/ml)   |
| 22  | ins180             | Num  | 8   | OGTT Insulin 180 min (uU/ml)   |
| 23  | cpep_10            | Num  | 8   | OGTT C-peptide -10 min (ng/mL) |
| 24  | cpep_05            | Num  | 8   | OGTT C-peptide -5 min (ng/mL)  |
| 25  | cpep010            | Num  | 8   | OGTT C-peptide 10 min (ng/mL)  |
| 26  | cpep020            | Num  | 8   | OGTT C-peptide 20 min (ng/mL)  |
| 27  | cpep030            | Num  | 8   | OGTT C-peptide 30 min (ng/mL)  |
| 28  | cpep060            | Num  | 8   | OGTT C-peptide 60 min (ng/mL)  |
| 29  | cpep090            | Num  | 8   | OGTT C-peptide 90 min (ng/mL)  |
| 30  | cpep120            | Num  | 8   | OGTT C-peptide 120 min (ng/mL) |
| 31  | cpep150            | Num  | 8   | OGTT C-peptide 150 min (ng/mL) |
| 32  | cpep180            | Num  | 8   | OGTT C-peptide 180 min (ng/mL) |
| 33  | glucagon030        | Num  | 8   | OGTT Glucagon 30 min (pM/L)    |
| 34  | glucagon060        | Num  | 8   | OGTT Glucagon 60 min (pM/L)    |
| 35  | glucagon090        | Num  | 8   | OGTT Glucagon 90 min (pM/L)    |
| 36  | glucagon150        | Num  | 8   | OGTT Glucagon 150 min (pM/L)   |
| 37  | glucagon180        | Num  | 8   | OGTT Glucagon 180 min (pM/L)   |

| <b>Num</b> | <b>Variable</b> | <b>Type</b> | <b>Len</b> | <b>Label</b>                  |
|------------|-----------------|-------------|------------|-------------------------------|
| 38         | glucagon_10     | Num         | 8          | OGTT Glucagon -10 min (pM/L)  |
| 39         | glucagon_05     | Num         | 8          | OGTT Glucagon -5 min (pM/L)   |
| 40         | glucagon010     | Num         | 8          | OGTT Glucagon 10 min (pM/L)   |
| 41         | glucagon020     | Num         | 8          | OGTT Glucagon 20 min (pM/L)   |
| 42         | glucagon120     | Num         | 8          | OGTT Glucagon 120 min (pM/L)  |
| 43         | IGI             | Num         | 8          | IGI, early insulin response   |
| 44         | CPGI            | Num         | 8          | CPGI, Early cpeptide response |



**Data Set Name: risepeds\_ otherlabdata.sas7bdat**

| Num | Variable           | Type | Len | Label                 |
|-----|--------------------|------|-----|-----------------------|
| 1   | RISE_REPOSITORY_ID | Char | 9   | RISE Repository ID    |
| 2   | VISIT              | Char | 3   | Study Visit           |
| 3   | HbA1c              | Num  | 8   | HbA1c (%)             |
| 4   | LDL                | Num  | 8   | LDL (mg/dL)           |
| 5   | HDL                | Num  | 8   | HDL (mg/dL)           |
| 6   | Chol               | Num  | 8   | Cholesterol (mg/dL)   |
| 7   | Trig               | Num  | 8   | Triglycerides (mg/dL) |
| 8   | VLDL               | Num  | 8   | VLDL (mg/dL)          |

**Data Set Name: riseped\_s\_runend.sas7bdat**

| Num | Variable           | Type | Len | Format | Label                                   |
|-----|--------------------|------|-----|--------|---|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        | RISE Repository ID                      |
| 2   | VISIT              | Char | 3   |        | Study Visit                             |
| 3   | BIRDEF             | Num  | 8   | 1.     | Congenital abnormality or birth defect? |
| 4   | DISABILITY         | Num  | 8   | 1.     | Permanent or severe disability?         |
| 5   | HOSPITAL           | Num  | 8   | 1.     | Required or prolonged hospitalization?  |
| 6   | OTHMED             | Num  | 8   | 1.     | Other serious medical event?            |
| 7   | OVERDOSE           | Num  | 8   | 1.     | Overdose of study medication?           |
| 8   | PREG               | Num  | 8   | 1.     | Pregnant?                               |
| 9   | PREVENT            | Num  | 8   | 1.     | Intervention to prevent an SAE          |
| 10  | READHERE           | Num  | 8   | 1.     | Ppt meet adherence criteria?            |
| 11  | REDEMONST          | Num  | 8   | 1.     | successfully demonstrate injection?     |
| 12  | REDIAMED           | Num  | 8   | 1.     | Ppt used any diabetes medication        |
| 13  | REHYPONUM          | Num  | 8   | 2.     | How many episodes of mild hypoglycemia? |
| 14  | REILLEXCL          | Num  | 8   | 1.     | New illnesses exclusionary?             |
| 15  | REINJCTADHR        | Num  | 8   |        | Calculated medication adherence         |
| 16  | RELOWBS            | Num  | 8   | 1.     | Episode(s) of low blood sugar?          |
| 17  | REMEDEXCL          | Num  | 8   | 1.     | Any new meds exclusionary?              |
| 18  | REMET              | Num  | 8   | 1.     | Pediatric, ppt on metformin?            |
| 19  | REMETADHERE        | Num  | 8   | 3.     | Percent of expected pills taken         |
| 20  | REMETDOSE          | Num  | 8   | 4.     | Current metformin dose                  |
| 21  | REMILDHYP          | Num  | 8   | 1.     | Repeated mild hypoglycemia?             |
| 22  | RENEWILL           | Num  | 8   | 1.     | Diagnosed with new illness?             |
| 23  | RENEWMED           | Num  | 8   | 1.     | Taking new medications?                 |
| 24  | REOTHER            | Num  | 8   | 1.     | Other clinically important symptoms?    |
| 25  | RERUNINJCT         | Num  | 8   | 1.     | Ppt taken run-in liraglutide placebo?   |
| 26  | RERUNMET           | Num  | 8   | 1.     | Ppt taken run-in metforminn?            |
| 27  | RESKINRASH         | Num  | 8   | 1.     | Skin rashes?                            |
| 28  | RESTOMACH          | Num  | 8   | 1.     | Stomach/GI problems?                    |
| 29  | RESYMP             | Num  | 8   | 1.     | Symptoms of diabetes out of control?    |
| 30  | RESYRINGE          | Num  | 8   | 1.     | Number of returned pens                 |
| 31  | REWEEKS            | Num  | 8   | 1.     | Total weeks of run-in                   |
| 32  | SEVHYPO            | Num  | 8   | 1.     | Episode of severe hypoglycemia?         |
| 33  | THREAT             | Num  | 8   | 1.     | Life-threatening event?                 |
| 34  | DAYSRAND           | Num  | 8   |        | Days since RISE Randomization           |

**Data Set Name: riseped\_s\_runstart.sas7bdat**

| Num | Variable           | Type | Len | Format | Informat | Label                                       |
|-----|--------------------|------|-----|--------|----------|---|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        |          | RISE Repository ID                          |
| 2   | VISIT              | Char | 3   |        |          | Study Visit                                 |
| 3   | RSHYPONUM          | Char | 2   | \$2.   | \$2.     | Number of mild hypoglycemia episodes        |
| 4   | BIRDEF             | Num  | 8   | 1.     |          | pregnancy resulting in abnormally or defect |
| 5   | DISABILITY         | Num  | 8   | 1.     |          | Permanent or severe diability?              |
| 6   | HOSPITAL           | Num  | 8   | 1.     |          | Required or prolonged hospitalization?      |
| 7   | OTHMED             | Num  | 8   | 1.     |          | Other serious medical event?                |
| 8   | OVERDOSE           | Num  | 8   | 1.     |          | overdose?                                   |
| 9   | PREG               | Num  | 8   | 1.     |          | Pregnant?                                   |
| 10  | PREVENT            | Num  | 8   | 1.     |          | Intervention to prevent an SAE?             |
| 11  | RSDIAMED           | Num  | 8   | 1.     |          | Any diabetes meds since last visit?         |
| 12  | RSILLEXCL          | Num  | 8   | 1.     |          | New illnesses exclusionary?                 |
| 13  | RSINJCTDISP        | Num  | 8   | 1.     |          | run-in injection placebo dispensed?         |
| 14  | RSLOWBS            | Num  | 8   | 1.     |          | Episodes of low blood sugar?                |
| 15  | RSMEDXCL           | Num  | 8   | 1.     |          | Are new meds exclusionary?                  |
| 16  | RSMET              | Num  | 8   | 1.     |          | Participant on metformin?                   |
| 17  | RSMETACDISP        | Num  | 8   | 1.     |          | Active metformindispensed?                  |
| 18  | RSMETDOSE          | Num  | 8   | 4.     |          | Current metformin dose                      |
| 19  | RSMETPLDISP        | Num  | 8   | 1.     |          | run-in metformin dispensed?                 |
| 20  | RSMILDHYP          | Num  | 8   | 1.     |          | repeated mild hypoglycemia?                 |
| 21  | RSNEWILL           | Num  | 8   | 1.     |          | Ppt diagnosed with new illness?             |
| 22  | RSNEWMED           | Num  | 8   | 1.     |          | Participant taking new meds?                |
| 23  | RSOTHER            | Num  | 8   | 1.     |          | Other clinically important symptoms?        |
| 24  | RSSKINRASH         | Num  | 8   | 1.     |          | Skin rashes?                                |
| 25  | RSSTOMACH          | Num  | 8   | 1.     |          | Stomach problems?                           |
| 26  | RSSYMP             | Num  | 8   | 1.     |          | Diabetes symptoms out of control?           |
| 27  | SEVHYPO            | Num  | 8   | 1.     |          | Severe hypoglycemia                         |
| 28  | THREAT             | Num  | 8   | 1.     |          | acute life-threatening event?               |
| 29  | DAYSRAND           | Num  | 8   |        |          | Days since RISE Randomization               |

**Data Set Name: riseped\_sscreen.sas7bdat**

| Num | Variable           | Type | Len | Format | Label   |
|-----|--------------------|------|-----|--------|---|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        | RISE Repository ID                                      |
| 2   | VISIT              | Char | 3   |        | Study Visit   |
| 3   | DBP                | Num  | 8   | 3.     | blood pressure diastolic                                |
| 4   | HEIGHT1            | Num  | 8   | 5.1    | Height Measurement 1                                    |
| 5   | HEIGHT2            | Num  | 8   | 5.1    | Height Measurement 2                                    |
| 6   | HEIGHT3            | Num  | 8   | 5.1    | Height Measurement 3                                    |
| 7   | SBP                | Num  | 8   | 3.     | BP reading  |
| 8   | SC2HRTIMEM         | Num  | 8   | 3.     | Time of 2 hour blood sample-minutes                     |
| 9   | SC2HRTIMES         | Num  | 8   | 2.     | Time of 2 hour blood sample-seconds                     |
| 10  | SCABLE             | Num  | 8   | 1.     | Ppt willing and able to participate                     |
| 11  | SCAGEELIG          | Num  | 8   | 1.     | Age 20-65 years if adult or 10-19 years if pediatric?   |
| 12  | SCALLERGY          | Num  | 8   | 1.     | Allergies or adverse drug reactions                     |
| 13  | SCALT              | Num  | 8   | 5.1    | ALT Value   |
| 14  | SCALTELIG          | Num  | 8   | 1.     | ALT Eligible?   |
| 15  | SCBEHAV            | Num  | 8   | 1.     | Meet all behavioral eligibility criteria?               |
| 16  | SCBMI              | Num  | 8   | 4.1    | BMI   |
| 17  | SCBMI2540          | Num  | 8   | 1.     | BMI >= 25 kg/m2 and <= 50 kg/m2?                        |
| 18  | SCBMIPERC          | Num  | 8   | 4.1    | 85th percentile for age and sex                         |
| 19  | SCBPELIG           | Num  | 8   | 1.     | Is participant eligible based on blood pressure?        |
| 20  | SCBRST             | Num  | 8   | 1.     | Breast Tanner stage                                     |
| 21  | SCCONSENT          | Num  | 8   | 1.     | Were informed consent/assent signed and dated?          |
| 22  | SCCREAT            | Num  | 8   | 3.1    | Serum creatinine value                                  |
| 23  | SCCREATELIG        | Num  | 8   | 1.     | Serum creatinine eligible?                              |
| 24  | SCDIABET           | Num  | 8   | 1.     | Does this participant have diabetes?                    |
| 25  | SCDIAMED           | Num  | 8   | 1.     | participant ever used any other diabetes medication?    |
| 26  | SCELIG             | Num  | 8   | 1.     | Ppt meets eligibility for run-in                        |
| 27  | SCEXCLSRX          | Num  | 8   | 1.     | participant taking any exclusionary medications?        |
| 28  | SCFAST150          | Num  | 8   | 1.     | Fasting finger-stick blood sugar >150 adults >200 peds? |
| 29  | SCFASTTIME         | Num  | 8   | TIME5. | Time of fasting blood sample                            |
| 30  | SCGLUENDM          | Num  | 8   | 3.     | Time glucose consumption ended (minutes)                |
| 31  | SCGLUENDS          | Num  | 8   | 2.     | Time glucose consumption ended (seconds)                |
| 32  | SCHGB              | Num  | 8   | 4.1    | Hemoglobin Value  |
| 33  | SCHGBELIG          | Num  | 8   | 1.     | Hemoglobin Eligible?                                    |
| 34  | SCINSUL            | Num  | 8   | 1.     | Has the participant ever used insulin?                  |
| 35  | SCINSULDUR         | Num  | 8   | 1.     | participant ever used insulin > 1 week?                 |
| 36  | SCLABELIG          | Num  | 8   | 1.     | Ppt meets lab eligibility?                              |
| 37  | SCLEAVE            | Num  | 8   | 1.     | Likely leave area within 2 years                        |

| Num | Variable    | Type | Len | Format | Label   |
|-----|-------------|------|-----|--------|---|
| 38  | SCMBI8540   | Num  | 8   | 1.     | BMI >85th percentile and <= 50 kg/m2  |
| 39  | SCMEDCON    | Num  | 8   | 1.     | Participant have any exclusionary medical conditions?                             |
| 40  | SCMET       | Num  | 8   | 1.     | participant ever used metformin?  |
| 41  | SCMETDUR    | Num  | 8   |        | months of metformin   |
| 42  | SCOGTTCOMPL | Num  | 8   |        | The OGTT was:   |
| 43  | SCOGTTWHY   | Num  | 8   |        | Why was OGTT not completed/with problem?  |
| 44  | SCOSTUDY    | Num  | 8   | 1.     | Participated in another study   |
| 45  | SCPOCHBAC   | Num  | 8   | 4.1    | Screen Local HbA1c value  |
| 46  | SCPOCTYPE   | Num  | 8   |        | Type of measurement   |
| 47  | SCPOTAS     | Num  | 8   | 3.1    | Serum potassium value   |
| 48  | SCPOTASELIG | Num  | 8   | 1.     | Serum potassium eligible?   |
| 49  | SCPREP      | Num  | 8   | 1.     | Prepared for OGTT?  |
| 50  | SCPREPOC    | Num  | 8   | 4.1    | Pre-Screening local HbA1c Value   |
| 51  | SCPROCEED   | Num  | 8   | 1.     | Ppt proceed to run-in?  |
| 52  | SCREFER     | Num  | 8   |        | How was the participant referred to the study?                                    |
| 53  | SCSEX       | Num  | 8   |        | Sex   |
| 54  | SCT2DDU     | Num  | 8   | 1.     | Duration since diabetes diagnosis <1 year for adults and < 6 months for children? |
| 55  | SCTANNER    | Num  | 8   | 1.     | Tanner stage eligible?  |
| 56  | SCTESTVOL   | Num  | 8   | 2.     | Testicular volume   |
| 57  | SCTRIG      | Num  | 8   | 4.     | Triglycerides Value   |
| 58  | SCTRIGELIG  | Num  | 8   | 1.     | Triglycerides eligible?   |
| 59  | SCTSH       | Num  | 8   | 5.2    | TSH Value   |
| 60  | SCTSHELIG   | Num  | 8   | 1.     | TSH eligible?   |
| 61  | SCUPT       | Num  | 8   |        | Urine Pregnancy Test  |
| 62  | WEIGHT1     | Num  | 8   | 5.1    | Weight Measurement 1  |
| 63  | WEIGHT2     | Num  | 8   | 5.1    | Weight Measurement 2  |
| 64  | WEIGHT3     | Num  | 8   | 5.1    | Weight Measurement 3  |
| 65  | DAYSRAND    | Num  | 8   |        | Days since RISE Randomization   |

**Data Set Name: risepeds\_screendata.sas7bdat**

| <b>Num</b> | <b>Variable</b>    | <b>Type</b> | <b>Len</b> | <b>Label</b>                             |
|------------|--------------------|-------------|------------|--|
| 1          | RISE_REPOSITORY_ID | Char        | 9          | RISE Repository ID                       |
| 2          | VISIT              | Char        | 3          | Study Visit                              |
| 3          | DIABETES           | Num         | 8          | diabetes status at the time of screening |
| 4          | gluc000s           | Num         | 8          | Glucose 0 min (mg/dl)                    |
| 5          | gluc120s           | Num         | 8          | Glucose 120 min (mg/dl)                  |
| 6          | hba1c_screen       | Num         | 8          | HBA1C                                    |

**Data Set Name: riseped\_slpq\_ped.sas7bdat**

| Num | Variable           | Type | Len | Format | Label   |
|-----|--------------------|------|-----|--------|---|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        | RISE Repository ID                                |
| 2   | VISIT              | Char | 3   |        | Study Visit                                       |
| 3   | CLALERT            | Num  | 8   | 2.     | Cleveland Alertness Statements                    |
| 4   | CLSLP              | Num  | 8   | 2.     | Cleveland Sleepiness Statements                   |
| 5   | CLTOTAL            | Num  | 8   | 2.     | Cleveland Total Score                             |
| 6   | SDSAROUSE          | Num  | 8   | 2.     | SDS Disorders of Arousal                          |
| 7   | SDSBREATHE         | Num  | 8   | 2.     | SDS Sleep Breathing Disorders                     |
| 8   | SDSDURA            | Num  | 8   |        | SDS Habitual Sleep Duration                       |
| 9   | SDSHYPER           | Num  | 8   | 2.     | SDS Sleep Hyperhydrosis                           |
| 10  | SDSLATEN           | Num  | 8   |        | SDS Sleep Latency                                 |
| 11  | SDSMAINTAIN        | Num  | 8   | 4.1    | SDS Disorders of Initiating and Maintaining Sleep |
| 12  | SDSSOMNOL          | Num  | 8   | 2.     | SDS Disorders of Excessive Somnolence             |
| 13  | SDSTOTAL           | Num  | 8   | 5.1    | SDS Total Score                                   |
| 14  | SDSTRANSIT         | Num  | 8   | 2.     | SDS Sleep-Wake Transition Disorders               |
| 15  | DAYSRAND           | Num  | 8   |        | Days since RISE Randomization                     |

**Data Set Name: riseped\_smbg.sas7bdat**

| Num | Variable           | Type | Len | Format | Label                                       |
|-----|--------------------|------|-----|--------|---|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        | RISE Repository ID                          |
| 2   | VISIT              | Char | 3   |        | Study Visit                                 |
| 3   | SMCOMPL            | Num  | 8   | 3.     | Self-monitoring compliance                  |
| 4   | SMFBG1112          | Num  | 8   | 3.     | 9. Weeks 11 & 12[;]a. Mean Fasting Blood G  |
| 5   | SMFBG12            | Num  | 8   | 3.     | 4. Weeks 1 & 2[;]a. Mean Fasting Blood G    |
| 6   | SMFBG1314          | Num  | 8   | 3.     | 10. Weeks 13 & 14[;]a. Mean Fasting Blood G |
| 7   | SMFBG34            | Num  | 8   | 3.     | 5. Weeks 3 & 4[;]a. Mean Fasting Blood G    |
| 8   | SMFBG56            | Num  | 8   | 3.     | 6. Weeks 5 & 6[;]a. Mean Fasting Blood G    |
| 9   | SMFBG78            | Num  | 8   | 3.     | 7. Weeks 7 & 8[;]a. Mean Fasting Blood G    |
| 10  | SMFBG910           | Num  | 8   | 3.     | 8. Weeks 9 & 10[;]a. Mean Fasting Blood G   |
| 11  | SMLOWBS1112        | Num  | 8   | 2.     | 9. Weeks 11 & 12[;]c. Total number of days  |
| 12  | SMLOWBS12          | Num  | 8   | 2.     | 4. Weeks 1 & 2[;]c. Total number of days    |
| 13  | SMLOWBS1314        | Num  | 8   | 2.     | 10. Weeks 13 & 14[;]c. Total number of days |
| 14  | SMLOWBS34          | Num  | 8   | 2.     | 5. Weeks 3 & 4[;]c. Total number of days    |
| 15  | SMLOWBS56          | Num  | 8   | 2.     | 6. Weeks 5 & 6[;]c. Total number of days    |
| 16  | SMLOWBS78          | Num  | 8   | 2.     | 7. Weeks 7 & 8[;]c. Total number of days    |
| 17  | SMLOWBS910         | Num  | 8   | 2.     | 8. Weeks 9 & 10[;]c. Total number of days   |
| 18  | SMSD1112           | Num  | 8   | 2.     | 9. Weeks 11 & 12[;]b. Standard Deviation    |
| 19  | SMSD12             | Num  | 8   | 2.     | 4. Weeks 1 & 2[;]b. Standard Deviation      |
| 20  | SMSD1314           | Num  | 8   | 2.     | 10. Weeks 13 & 14[;]b. Standard Deviation   |
| 21  | SMSD34             | Num  | 8   | 2.     | 5. Weeks 3 & 4[;]b. Standard Deviation      |
| 22  | SMSD56             | Num  | 8   | 2.     | 6. Weeks 5 & 6[;]b. Standard Deviation      |
| 23  | SMSD78             | Num  | 8   | 2.     | 7. Weeks 7 & 8[;]b. Standard Deviation      |
| 24  | SMSD910            | Num  | 8   | 2.     | 8. Weeks 9 & 10[;]b. Standard Deviation     |
| 25  | DAYSRAND           | Num  | 8   |        | Days since RISE Randomization               |



**Data Set Name: riseped\_s\_status.sas7bdat**

| Num | Variable           | Type | Len | Format  | Informat | Label  |
|-----|--------------------|------|-----|---------|----------|--|
| 1   | RISE_REPOSITORY_ID | Char | 9   |         |          | RISE Repository ID                                   |
| 2   | VISIT              | Char | 3   |         |          | Study Visit  |
| 3   | STOTHSPEC          | Char | 15  | \$15.   | \$15.    | If "Other," specify:                                 |
| 4   | STADDINFO          | Char | 100 | \$100.  | \$100.   | Additional Information:                              |
| 5   | STLASTVIS          | Char | 3   | \$3.    | \$3.     | Last study visit completed (e.g. M09, M12, M15, etc) |
| 6   | STSTATUS           | Num  | 8   | BEST12. | F12.     | Updated status                                       |
| 7   | STWHY              | Num  | 8   | BEST12. | F12.     | Primary reason for status change                     |
| 8   | DAYSRAND           | Num  | 8   |         |          | Days since RISE Randomization                        |

**Data Set Name: riseped\_s\_unsched.sas7bdat**

| Num | Variable           | Type | Len | Format | Informat | Label  |
|-----|--------------------|------|-----|--------|----------|--|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        |          | RISE Repository ID   |
| 2   | VISIT              | Char | 3   |        |          | Study Visit  |
| 3   | UNOTHSPEC          | Char | 128 | \$128. | \$128.   | If "Other," specify:   |
| 4   | UNADDCOM           | Char | 200 | \$200. | \$200.   | Additional comments about the unscheduled visit:   |
| 5   | BIRDEF             | Num  | 8   |        |          | Pregnancy resulting in congenital anomaly or birth defect?   |
| 6   | DISABILITY         | Num  | 8   |        |          | Permanent or severe disability?  |
| 7   | HOSPITAL           | Num  | 8   |        |          | Required or prolonged hospitalization?   |
| 8   | OTHMED             | Num  | 8   |        |          | Other serious medical event?   |
| 9   | OVERDOSE           | Num  | 8   |        |          | Overdose of a Study/ medication?   |
| 10  | PREG               | Num  | 8   |        |          | Pregnant?  |
| 11  | PREVENT            | Num  | 8   |        |          | Required intervention to prevent permanent impairment or damage?   |
| 12  | SEVHYPO            | Num  | 8   |        |          | An episode of hypoglycemia that required help from someone else to bring the blood sugar back to normal? (e.g. due to loss of consciousness, confusion or severe lethargy) |
| 13  | THREAT             | Num  | 8   |        |          | Any acute life-threatening event?  |
| 14  | UNCBL              | Num  | 8   |        |          | Collection of laboratory specimen  |
| 15  | UNGLRGDISP         | Num  | 8   | 1.     |          | Was insulin glargine dispensed at this visit?  |
| 16  | UNGLRGNUM          | Num  | 8   | 2.     |          | Number of pens:  |
| 17  | UNILL              | Num  | 8   |        |          | Interim illness  |
| 18  | UNLIRADISP         | Num  | 8   | 1.     |          | Was liraglutide dispensed at this visit?   |
| 19  | UNLIRANUM          | Num  | 8   | 1.     |          | Number of pens:  |
| 20  | UNLOCATION         | Num  | 8   |        |          | Visit Location   |
| 21  | UNMEDDISP          | Num  | 8   |        |          | Was medication dispensed in person or by mail?   |
| 22  | UNMEDMGT           | Num  | 8   |        |          | Study medication or supply management  |
| 23  | UNMEDRSN           | Num  | 8   |        |          | Select primary reason for study medication or supply management:   |
| 24  | UNMETDISP          | Num  | 8   | 1.     |          | Was metformin/placebo dispensed at this visit?   |
| 25  | UNMETNUM           | Num  | 8   | 1.     |          | Number of bottles:   |
| 26  | UNOTH              | Num  | 8   |        |          | Other  |
| 27  | UNSAE              | Num  | 8   |        |          | Serious adverse event  |
| 28  | UNTEMPINS          | Num  | 8   |        |          | Temporary insulin use  |
| 29  | DAYSRAND           | Num  | 8   |        |          | Days since RISE Randomization  |

**Data Set Name: risepeds\_visit.sas7bdat**

| Num | Variable           | Type | Len | Format | Informat | Label   |
|-----|--------------------|------|-----|--------|----------|---|
| 1   | RISE_REPOSITORY_ID | Char | 9   |        |          | RISE Repository ID  |
| 2   | VISIT              | Char | 3   |        |          | Study Visit   |
| 3   | VIOSPEC1           | Char | 15  | \$15.  | \$15.    | If other, specify (antihypertensives)   |
| 4   | VIWGHTSPEC         | Char | 2   | \$2.   | \$2.     | If other, specify (weight loss)   |
| 5   | VIOSPEC2           | Char | 15  | \$15.  | \$15.    | If other, specify (lipid lowering)  |
| 6   | VIOSPEC3           | Char | 15  | \$15.  | \$15.    | If other, specify (diabetes meds)   |
| 7   | VIBCOSPEC          | Char | 25  | \$25.  | \$25.    | If other, specify:  |
| 8   | VIOTHSPEC          | Char | 30  | \$30.  | \$30.    | If "Other," specify:  |
| 9   | BIRDEF             | Num  | 8   | 1.     |          | Pregnancy w/ congenital abnormality or birth defect?                              |
| 10  | DISABILITY         | Num  | 8   | 1.     |          | Permanent or severe disability?   |
| 11  | GLARG1             | Num  | 8   | 1.     |          | a. Permanently discontinued study medication[;]Glargine                           |
| 12  | GLARG10            | Num  | 8   | 1.     |          | j. Size of pill is a problem[;]Glargine   |
| 13  | GLARG11            | Num  | 8   | 1.     |          | k. Other[;]Glargine   |
| 14  | GLARG12            | Num  | 8   | 1.     |          | l. No specific reason given[;]Glargine  |
| 15  | GLARG2             | Num  | 8   | 1.     |          | b. Temporarily stopped study medication due to intercurrent illness[;]Glargine    |
| 16  | GLARG3             | Num  | 8   | 1.     |          | c. Forgets to take study medication in general[;]Glargine                         |
| 17  | GLARG4             | Num  | 8   | 1.     |          | d. GI reaction to medication[;]Glargine   |
| 18  | GLARG5             | Num  | 8   | 1.     |          | e. Believes medication causes weight gain or other side effect[;]Glargine         |
| 19  | GLARG6             | Num  | 8   | 1.     |          | f. Disruption of regular routine or travel[;]Glargine                             |
| 20  | GLARG7             | Num  | 8   | 1.     |          | g. Depressed mood or other psychiatric issue[;]Glargine                           |
| 21  | GLARG8             | Num  | 8   | 1.     |          | h. Lost/misplaced study medication[;]Glargine                                     |
| 22  | GLARG9             | Num  | 8   | 1.     |          | i. Dislikes using needles[;]Glargine  |
| 23  | HEIGHT1            | Num  | 8   | 5.1    |          | Height Measure 1  |
| 24  | HEIGHT2            | Num  | 8   | 5.1    |          | Height Measure 2  |
| 25  | HEIGHT3            | Num  | 8   | 5.1    |          | Height Measure 3  |
| 26  | HIP1               | Num  | 8   | 5.1    |          | Hip circumference 1   |
| 27  | HIP2               | Num  | 8   | 5.1    |          | Hip circumference 2   |
| 28  | HIP3               | Num  | 8   | 5.1    |          | Hip circumference 3   |
| 29  | HOSPITAL           | Num  | 8   | 1.     |          | Required or prolonged hospitalization?  |
| 30  | LIRA1              | Num  | 8   | 1.     |          | a. Permanently discontinued study medication[;]Liraglutide                        |
| 31  | LIRA10             | Num  | 8   | 1.     |          | j. Size of pill is a problem[;]Liraglutide  |
| 32  | LIRA11             | Num  | 8   | 1.     |          | k. Other[;]Liraglutide  |
| 33  | LIRA12             | Num  | 8   | 1.     |          | l. No specific reason given[;]Liraglutide   |
| 34  | LIRA2              | Num  | 8   | 1.     |          | b. Temporarily stopped study medication due to intercurrent illness[;]Liraglutide |
| 35  | LIRA3              | Num  | 8   | 1.     |          | c. Forgets to take study medication in general[;]Liraglutide                      |

| Num | Variable   | Type | Len | Format | Informat | Label  |
|-----|------------|------|-----|--------|----------|--|
| 36  | LIRA4      | Num  | 8   | 1.     |          | d. GI reaction to medication[;]Liraglutide                                       |
| 37  | LIRA5      | Num  | 8   | 1.     |          | e. Believes medication causes weight gain or other side effect[;]Liraglutide     |
| 38  | LIRA6      | Num  | 8   | 1.     |          | f. Disruption of regular routine or travel[;]Liraglutide                         |
| 39  | LIRA7      | Num  | 8   | 1.     |          | g. Depressed mood ot other psychiatric issue[;]Liraglutide                       |
| 40  | LIRA8      | Num  | 8   | 1.     |          | h. Lost/misplaced study medication[;]Liraglutide                                 |
| 41  | LIRA9      | Num  | 8   | 1.     |          | i. Dislikes using needles[;]Liraglutide  |
| 42  | METFORM1   | Num  | 8   | 1.     |          | a. Permanently discontinued study medication[;] Metformin                        |
| 43  | METFORM10  | Num  | 8   | 1.     |          | j. Size of pill is a problem[;] Metformin  |
| 44  | METFORM11  | Num  | 8   | 1.     |          | k. Other[;] Metformin  |
| 45  | METFORM12  | Num  | 8   | 1.     |          | l. No specific reason given[;] Metformin   |
| 46  | METFORM2   | Num  | 8   | 1.     |          | b. Temporarily stopped study medication due to intercurrent illness[;] Metformin |
| 47  | METFORM3   | Num  | 8   | 1.     |          | c. Forgets to take study medication in general[;] Metformin                      |
| 48  | METFORM4   | Num  | 8   | 1.     |          | d. GI reaction to medication[;] Metformin  |
| 49  | METFORM5   | Num  | 8   | 1.     |          | e. Believes medication causes weight gain or other side effect[;] Metformin      |
| 50  | METFORM6   | Num  | 8   | 1.     |          | f. Disruption of regular routine or travel[;] Metformin                          |
| 51  | METFORM7   | Num  | 8   | 1.     |          | g. Depressed mood ot other psychiatric issue[;] Metformin                        |
| 52  | METFORM8   | Num  | 8   | 1.     |          | h. Lost/misplaced study medication[;] Metformin                                  |
| 53  | METFORM9   | Num  | 8   | 1.     |          | i. Dislikes using needles[;] Metformin   |
| 54  | OVERDOSE   | Num  | 8   | 1.     |          | Overdose of study medication?  |
| 55  | OVERNIGHT  | Num  | 8   | 1.     |          | Other serious medical event?   |
| 56  | PREG       | Num  | 8   | 1.     |          | Pregnant?  |
| 57  | PREVENT    | Num  | 8   | 1.     |          | Prevent a serious adverse event?   |
| 58  | SEVHYPO    | Num  | 8   | 1.     |          | Episode of severe hypoglycemia   |
| 59  | THREAT     | Num  | 8   | 1.     |          | Any acute life-threatening event?  |
| 60  | VIACE      | Num  | 8   | 1.     |          | ACE inhibitor  |
| 61  | VIANIHYP   | Num  | 8   | 1.     |          | Antihypertensives?   |
| 62  | VIARB      | Num  | 8   | 1.     |          | ARB  |
| 63  | VIBETA     | Num  | 8   | 1.     |          | Beta Blocker   |
| 64  | VICNTRCPT  | Num  | 8   | 1.     |          | Do you use contraception?  |
| 65  | VIDIABP    | Num  | 8   | 3.     |          | Blood Pressure Reading Diastolic   |
| 66  | VIDIAMED   | Num  | 8   | 1.     |          | Diabetes medication  |
| 67  | VIDIURET   | Num  | 8   | 1.     |          | Diuretic   |
| 68  | VIDPP4     | Num  | 8   | 1.     |          | Metformin  |
| 69  | VIEXENLIRA | Num  | 8   | 1.     |          | Exenatide or liraglutide   |
| 70  | VIFIBRATE  | Num  | 8   | 1.     |          | Fibrate  |
| 71  | VIGLRADHER | Num  | 8   | 1.     |          | Ppt supposed to take glargine?   |
| 72  | VIGLRDOSE  | Num  | 8   | 3.     |          | Current dose of glargine   |

| Num | Variable     | Type | Len | Format | Informat | Label  |
|-----|--------------|------|-----|--------|----------|--|
| 73  | VIGLRDOSENUM | Num  | 8   | 3.     |          | Variable removed from form                     |
| 74  | VIGLRGDISP   | Num  | 8   | 1.     |          | variable removed from form                     |
| 75  | VIGLRGNUM    | Num  | 8   | 1.     |          | variable removed from form                     |
| 76  | VIGLRPERC    | Num  | 8   |        |          | Percent of expected insulin glargine taken     |
| 77  | VIGLRRET     | Num  | 8   | 1.     |          | Ppt return glargine pens?                      |
| 78  | VIGLRSELF    | Num  | 8   |        |          | Glargine self report percentage                |
| 79  | VIHORMCON    | Num  | 8   | 1.     |          | Hormonal contraception                         |
| 80  | VIHYPONUM    | Num  | 8   | 2.     |          | Number episodes of mild hypoglycemia           |
| 81  | VIINHALE     | Num  | 8   | 1.     |          | Inhaled steroids                               |
| 82  | VIINJECT     | Num  | 8   | 1.     |          | Injection steroids                             |
| 83  | VIINSUL      | Num  | 8   | 1.     |          | Insulin  |
| 84  | VILIPLOW     | Num  | 8   | 1.     |          | Lipid lowering medications?                    |
| 85  | VILIRADHER   | Num  | 8   | 1.     |          | Ppt supposed to take liraglutide?              |
| 86  | VILIRADISP   | Num  | 8   | 1.     |          | Liraglutide dispensed at this visit?           |
| 87  | VILIRANUM    | Num  | 8   | 1.     |          | Number of pens (liraglutide)                   |
| 88  | VILIRARET    | Num  | 8   | 1.     |          | Ppt return liraglutide pens?                   |
| 89  | VILIRASELF   | Num  | 8   |        |          | Liraglutide self report percentage             |
| 90  | VILIRDOSE    | Num  | 8   |        |          | Current dose of liraglutide                    |
| 91  | VILIRPERC    | Num  | 8   |        |          | Percent of expected liraglutide taken          |
| 92  | VILOWBS      | Num  | 8   | 1.     |          | Episode(s) of low blood sugar?                 |
| 93  | VIMEDS       | Num  | 8   | 1.     |          | Taken any non-study meds?                      |
| 94  | VIMET        | Num  | 8   | 1.     |          | Metformin                                      |
| 95  | VIMETADHER   | Num  | 8   | 1.     |          | Ppt supposed to take metformin?                |
| 96  | VIMETDISP    | Num  | 8   | 1.     |          | metformin/placebo dispensed at this visit?     |
| 97  | VIMETDOSE    | Num  | 8   |        |          | Current dose of metformin                      |
| 98  | VIMETNUM     | Num  | 8   | 1.     |          | Number of bottles (metformin)                  |
| 99  | VIMETPERC    | Num  | 8   | 3.     |          | Percent of expected pills taken                |
| 100 | VIMETRET     | Num  | 8   | 1.     |          | Ppt return metformin bottles                   |
| 101 | VIMETSELF    | Num  | 8   |        |          | Metformin self report percentage               |
| 102 | VIMILDHYP    | Num  | 8   | 1.     |          | Repeated mild hypoglycemia?                    |
| 103 | VINIACIN     | Num  | 8   | 1.     |          | Niacin   |
| 104 | VINOBABY     | Num  | 8   |        |          | What are you doing to avoid having a baby?     |
| 105 | VIORALST     | Num  | 8   | 1.     |          | Oral steroids                                  |
| 106 | VIOSTDAYS    | Num  | 8   | 2.     |          | Total days oral steroids used since last visit |
| 107 | VIOTH1       | Num  | 8   | 1.     |          | Other (antihypertensive)                       |
| 108 | VIOTH2       | Num  | 8   | 1.     |          | Other (lipid lowering)                         |
| 109 | VIOTH3       | Num  | 8   | 1.     |          | Other (diabetes meds)                          |
| 110 | VIOTHER      | Num  | 8   | 1.     |          | Other clinically important symptoms            |
| 111 | VIPREGTEST   | Num  | 8   |        |          | Result of pregnancy test for females           |

| Num | Variable   | Type | Len | Format | Informat | Label                               |
|-----|------------|------|-----|--------|----------|-------------------------------------|
| 112 | VIPSYCHO   | Num  | 8   | 1.     |          | Atypical psychotropics              |
| 113 | VISEQUEST  | Num  | 8   | 1.     |          | Bile acid sequestrant               |
| 114 | VISKINRASH | Num  | 8   | 1.     |          | Skin rashes?                        |
| 115 | VISTATIN   | Num  | 8   | 1.     |          | Statin                              |
| 116 | VISTER     | Num  | 8   | 1.     |          | Steroids?                           |
| 117 | VISTIM     | Num  | 8   | 1.     |          | Stimulants                          |
| 118 | VISTOMACH  | Num  | 8   | 1.     |          | Somach/GI problems?                 |
| 119 | VISULF     | Num  | 8   | 1.     |          | Sulfonylurea                        |
| 120 | VISYMP     | Num  | 8   | 1.     |          | Symptoms of diabetes out of control |
| 121 | VISYSBP    | Num  | 8   | 3.     |          | Blood Pressure Reading Systolic     |
| 122 | VITHIAZ    | Num  | 8   | 1.     |          | Thiazolidinedione                   |
| 123 | VIWGHTLOSS | Num  | 8   |        |          | Weight loss treatments?             |
| 124 | WAIST1     | Num  | 8   | 5.1    |          | Waist Circumference 1               |
| 125 | WAIST2     | Num  | 8   | 5.1    |          | Waist circumference 2               |
| 126 | WAIST3     | Num  | 8   | 5.1    |          | Waist circumference 3               |
| 127 | WEIGHT1    | Num  | 8   | 5.1    |          | Weight Measure 1                    |
| 128 | WEIGHT2    | Num  | 8   | 5.1    |          | Weight Measure 2                    |
| 129 | WEIGHT3    | Num  | 8   | 5.1    |          | Weight Measure 3                    |
| 130 | DAYSRAND   | Num  | 8   |        |          | Days since RISE Randomization       |