

| Merging Group of 2-visits Data Records | | | | | | | | | | | |
|--|-----------------|-----------------------|-----------|-------------|------------------|-----------------|-------------|-----------------------|----------|-------------|-----|
| Initial Group ID | Merged Group_ID | Group Characteristics | | | Initial Group ID | Merged Group_ID | | Group Characteristics | | | |
| | | Age | BP Hist. | Diab. Hist. | | Iteration 1 | Iteration 2 | Age | BP Hist. | Diab. Hist. | |
| 131 (II-23) | | Age3 | No | No | 7 (II-4) | II-38 | II-43 | Age1 | No | Yes | |
| 195 (II-5) | II-37 | Age1 | No | No | 8 (II-13) | | | II-43 | Age2 | No | Yes |
| 9 (II-9) | | Age1 | Unchecked | Unchecked | 9 (II-22) | | | | Age3 | No | Yes |
| 152 (II-14) | II-39 | Age2 | No | No | 19 (II-28) | II-44 | Age4 | Yes | Yes | | |
| 9 (II-18) | | Age2 | Unchecked | Unchecked | 10 (II-31) | | Age4 | No | Yes | | |
| 7 (II-27) | II-40 | Age3 | Unchecked | Unchecked | 55 (II-11) | II-42 | II-45 | Age2 | Yes | No | |
| 88 (II-32) | | Age4 | No | No | 59 (II-20) | | | Age3 | Yes | No | |
| 78 (II-29) | II-41 | Age4 | Yes | No | 25 (II-2) | | | Age1 | Yes | No | |
| 11 (II-36) | | Age4 | Unchecked | Unchecked | 8 (II-19) | II-46 | Age3 | Yes | Yes | | |
| | | | | | 5 (II-10) | | Age2 | Yes | Yes | | |

Notes:

----- Chosen Representative Characteristics

Figure S1. Group Merging Process for 2-visits Data Records

| Merging Group of 3-visits Data Records | | | | | | | | | | | |
|--|-----------------|-------------|-----------------------|-------------|-------------|-----------------------|-----------------|-------------|-----------------------|----------|-------------|
| Initial Group ID | Merged Group_ID | | Group Characteristics | | | Initial Group ID | Merged Group_ID | | Group Characteristics | | |
| | Iteration 1 | Iteration 2 | Age | BP Hist. | Diab. Hist. | | Iteration 1 | Iteration 2 | Age | BP Hist. | Diab. Hist. |
| 11 | III-23 | | Age3 | No | No | 24 | III-14 | III-53 | Age2 | No | No |
| 11 | III-29 | | Age4 | Yes | No | 3 | III-51 | | Age4 | No → Yes | No |
| 1 | III-38 | III-55 | Age1 | No → Yes | No | 16 | III-32 | III-59 | Age4 | No | No |
| 3 | III-44 | | Age2 | No → Yes | No | 6 | III-49 | III-68 | Age3→4 | No | No |
| 24 | III-5 | III-60 | Age1 | No | No | 1 | III-13 | | Age2 | No | Yes |
| 6 | III-2 | III-54 | Age1 | Yes | No | | | | | | |
| 12 | III-11 | III-72 | Age2 | Yes | No | | | | | | |
| 1 | III-47 | | Age3→4 | Yes | Yes | | | | | | |
| Initial Group ID | Merged Group_ID | | | | | Group Characteristics | | | | | |
| | Iteration 1 | Iteration 2 | Iteration 3 | Iteration 4 | Iteration 5 | Age | BP Hist. | Diab. Hist. | | | |
| 6 | III-39 | III-52 | | | | Age1→2 | No | No | | | |
| 9 | III-46 | | III-56 | | | Age2→3 | No | No | | | |
| 1 | III-42 | | | III-57 | | Age2 | No → Yes | Yes | | | |
| 2 | III-48 | | | | III-66 | Age3 | No → Yes | No | | | |
| 1 | III-1 | | | | | Age1 | Yes | Yes | | | |
| 2 | III-19 | III-62 | | | | Age3 | Yes | Yes | | | |
| 1 | III-50 | | III-65 | | | Age4 | No → Yes | Yes | | | |
| 2 | III-4 | | | III-67 | | Age1 | No | Yes | | | |
| 1 | III-43 | | | | III-71 | Age2→3 | No → Yes | Yes | | | |
| 2 | III-31 | III-58 | | | | Age4 | No | Yes | | | |
| 1 | III-40 | | III-64 | | | Age2→3 | Yes | Yes | | | |
| 10 | III-20 | III-63 | | | | Age3 | No | Yes | | | |
| 3 | III-41 | | | III-69 | | Age4 | Yes | Yes | | | |
| 1 | III-22 | | | | III-70 | Age1→2 | Yes | Yes | | | |
| 2 | III-28 | III-61 | | | | Age2→3 | No | No → Yes | | | |
| 1 | III-37 | | | | | | | | | | |

Notes:
 ----- Chosen Representative Characteristics

Figure S2. Group Merging Process for 3-visits Data Records