

Cohort, Exam 1

Household Enumeration Form

Household roster data.

In the HEFDATA data set, PID1, MARSTAT1, and SPOUSE1 are the values of PID, MARSTAT and SPOUSE for the given ID and PID2, MARSTAT2 and SPOUSE2 are the values for the putative spouse of the given ID. As the spouse pairs were coded in various ways in the HEF Form, different rules (with RULE=1 and 2 as the most strict rules) were used in identifying spouse pairs and this was indicated by the variable RULE in the data set. Please read below for more information about the variables in the HEFDATA data set.

SPOUSEID1: the ID of the spouse for a given ARIC ID based on below two rules to call spouse pairs:

- Within the same household, if only two records are with non-missing SPOUSE, the value of SPOUSE for each is the same as the value of PID for the other (RULE=1)
- Within the same household, if only two records are with non-missing SPOUSE, and the values of SPOUSE for them meet the following criteria: A1 versus B1, A2 versus B2, S1 versus S1, and last S2 versus S2 (RULE=2)
- SPOUSEID1 is missing if pairs were not found based on the first two rules

SPOUSEID2 is the same as SPOUSEID1 if SPOUSEID1 is non-missing (RULE=1 or 2). If SPOUSEID1 is missing, SPOUSEID2 is the ID of the spouse for a given ARIC ID based on the following rules to call spouse pairs:

- Within the same household, if only two records are with non-missing SPOUSE and the number of married persons within the household is exactly equal to two (RULE=3)
- From the hardcoded list of pairs: there are some households having 3 or 4 records with non-missing spouse values and we had to hardcode spouse pairs from the list if they look like spouse (RULE=4). See attached pg. 3 for the hardcoded listing.
- Within the same household, if less than two records are with non-missing SPOUSE, however the number of married persons within the household is exactly equal to two (RULE=5)

If SPOUSEID2 is missing, no spouse was found based on the above 5 rules.

Please note that we searched for spouse pairs among all individuals listed in the HEF, not just among ARIC participants. If we found a spouse match but that match is not a member of the ARIC cohort, we set the respective SPOUSEID1 or SPOUSEID2 variable to INHHNOTARIC. We also include PID2, SPOUSE2 and MARSTAT2 even when the spouse is not an ARIC participant, so that you can see how we matched them.

Please find an example list of four spouse pairs on pg. 3. The following is how we match them.

Observation 1:

IDs F100047 and F100146 are the only two records that are found to have non-missing SPOUSE in the household (HID: 0000014302). The value of PID for F100047 (PID1) is the same as the spouse value for F100146 (spouse2) and the value of PID for F100146 (PID2) is the same as the spouse value for F100047 (spouse1). Therefore, these two IDs are matched as spouse pair based on rule 1.

Observation 2:

IDs W221842 and W221645 are the only two records that are found to have non-missing SPOUSE in the household (HID: 04678A). The value of SPOUSE for W221842 (spouse1) and the value of SPOUSE for W221645 (spouse2) are 'A1' and 'B1' respectively. Therefore, these two IDs are matched as spouse pair based on rule 2.

Observation 3:

IDs F104165 and F104265 are the only two records that are found to have non-missing SPOUSE in the household (HID: 0000011804) and the number of married persons within this household is exactly equal to two. Therefore, these two IDs are matched as spouse pair based on rule 3.

Observation 4

IDs W321931 and W321932 are within the same household (HID: 01837A). This household has less than two records that are with non-missing SPOUSE, however the number of married persons within the household is exactly equal to two. Therefore, these two IDs are matched as spouse pair based on rule 5.

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Obs	ID	HID	numbermarried	pid2	marstat2	spouse2	rule	pid1	marstat1	spouse1	spouseid1	spouseid2
1	F100047	0000014302	2	01	M	02	1	02	M	01	F100146	F100146
2	W221842	04678A	2	02	M	A1	2	01	M	B1	W221645	W221645
3	F104165	0000011804	2	01	M	01	3	02	M	01		F104205
4	W321931	01837A	2	01	M		5	02	M			W321943

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<i>HID</i>		<i>HID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15625	Present	Text suppressed
167		Missing

<i>ID</i>		<i>ARIC Subject ID (Cir)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15792	Present	Text suppressed

<i>MARSTAT1</i>		<i>Marital status for the given ARIC ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	,	
1	0	
1	1	
1	=	
1236	D	Divorced
5	F	
12344	M	Married
340	N	Never Married
439	S	Separated
963	W	Widowed
1	d	
460		Missing

<i>MARSTAT2</i>		<i>Marital status for the putative spouse of the given ARIC ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	0	
1	1	
1	D	Divorced
1	F	
10547	M	Married
7	N	Never Married
1	Y	
5233		Missing

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<i>NUMBERMARRIED</i>		<i>The number of married persons within the same household</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1905	1	
10529	2	
41	3	
15	4	
3302		Missing

<i>PID1</i>		<i>Sequence number assigned to the given ARIC ID in the household</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
8793	01	
6525	02	
255	03	
32	04	
1	05	
2	07	
1	17	
183		Missing

<i>PID2</i>		<i>Sequence number assigned to the putative spouse of the given ARIC ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	00	
5155	01	
5225	02	
160	03	
18	04	
1	05	
1	17	
5231		Missing

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<i>RULE</i>		<i>Rules used in identifying spouse pairs</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2591	1	Pairs found based on rule 1 (Within the same household, if only two records are with non-missing SPOUSE, the value of SPOUSE for each is the same as the value of PID for the other)
3753	2	Pairs found based on rule 2 (Within the same household, if only two records are with non-missing SPOUSE, and the values of SPOUSE for them meet the following criteria: A1 versus B1, A2 versus B2, S1 versus S1, and last S2 versus S2)
3701	3	Pairs found based on rule 3 (Within the same household, if only two records are with non-missing SPOUSE and the number of married persons within the household is exactly equal to two)
16	4	Pairs found based on rule 4 (There are some households having 3 or 4 records with non-missing spouse values and they were harcoded as pairs if they look like spouse)
500	5	Within the same household, if less than two records are with non-missing SPOUSE, however the number of married persons within the household is exactly equal to two
5231		Missing

<i>SPOUSE1</i>		<i>The value of SPOUSE for the given ARIC ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11929	Present	Text suppressed
3863		Missing

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<i>SPOUSE2</i>		<i>The value of the SPOUSE for the putative spouse of the given ARIC ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1305	01	
1332	02	
42	03	
7	04	
20	1S	
45	A	
2848	A1	
3	A2	
1484	B1	
1	B2	
1	BI	
2	C1	
5	D1	
75	S	
2928	S1	
112	S2	
1	S3	
1	S4	
1	SI	
5579		Missing

<i>SPOUSEID1</i>		<i>The ID of the spouse for a given ARIC ID based on rules 1 and 2 to call spouse pairs</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6344	Present	Text suppressed
9448		Missing

<i>SPOUSEID2</i>		<i>The ID of the spouse for a given ARIC ID based on rules 1-5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10561	Present	Text suppressed
5231		Missing