

Sibling IQ

The recommended IQ measures are `gwiiq_bm` for graduates and `swiiq_t` for siblings.

These measures include imputed junior year Henmon-Nelson scores. The imputations were based on scores from other grades, the Wisconsin Centile Rank, and the IOWA test.

There were a variety of errors in IQ variables used prior to February 1998. These variables - `XIQ` `XIQGD` `XIQRAW` `XIQSCOR` `XIQYR` - have been moved to the archives and are not recommended to be used unless replicating previous studies.

<code>swiiq_t</code>	Preferred measure of sibling IQ score
<code>shnrs_t</code>	Raw Henmon-Nelson score, transformed to junior year metric
<code>shncr_t, swicr_t</code>	Centile rank for transformed Junior year Henmon-Nelson score
<code>sflag</code>	Source of IQ data
<code>shnrs</code>	Raw Henmon-Nelson test score
<code>swicr_hn, swicr_ot</code>	Centile rank for Henmon-Nelson score
<code>sagecm-stseaf1g</code>	Details when mental ability test given
<code>sbkcd</code>	Book code for IQ score

`swiiq_t`: Preferred measure of sibling IQ score, mapped from raw Henmon-Nelson test score based on transformed raw score.

Data source: Sibling Respondent Collected in: 1977 Mode: none
 Source variables: `SHNRS_T`, `IQ`
 Revisions: Added 2/98

		Frequencies		
Value	Label	Male	Female	Total
-3	Ability scores not found/NR	1455	1497	2952
-2	Inappropriate INAP, no sibling	358	388	746
61 - 88		635	758	1393
89 - 98		694	740	1434
99 - 107		751	722	1473
109 - 120		660	788	1448
121 - 145		438	433	871

Note: This measure of IQ is the recommended one if only one measure is to be used for WLS Siblings.

See Appendix G - COR652 for Construction of "new" IQ variables.

COR652 has details on formulas/methods used to transform scores into the metric of Henmon-Nelson Junior year raw scores.

shnrs_t: Raw Henmon-Nelson test score, transformed to junior year metric.

Data source: Sibling Respondent Collected in: 1977 Mode: none
Source variables: IQ
Revisions: Added 2/98

Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR	1455	1497	2952
-2	Inappropriate INAP, no sibling	358	388	746
7 - 47		635	758	1393
47.94 - 55		694	740	1434
55.57 - 62		723	700	1423
62.24 - 70		608	723	1331
70.08 - 90		518	520	1038

Note: See Appendix G - COR652 for Construction of "new" IQ variables.
COR652 has details on formulas/methods used to transform scores into the metric of Henmon-Nelson Junior year raw scores.

shncr_t: Centile rank based on National test takers for Henmon-Nelson test score from junior year, based on transformed raw score.

Data source: Sibling Respondent Collected in: 1977 Mode: none
Source variables: SHNRS_T, IQ
Revisions: Added 2/98

Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR	1455	1497	2952
-2	Inappropriate INAP, no sibling	358	388	746
0 - 33		635	758	1393
36 - 56		694	740	1434
59 - 75		751	722	1473
78 - 92		660	788	1448
93 - 100		438	433	871

Note: See Appendix G - COR652 for Construction of "new" IQ variables.
COR652 has details on formulas/methods used to transform scores
into the metric of Henmon-Nelson Junior year raw scores.

**swicr_t: Centile rank based on Wisconsin test takers for Henmon-Nelson
test score from junior year, based on transformed raw score.**

Data source: Sibling Respondent Collected in: 1977 Mode: none
Source variables: SHNRS_T, IQ
Revisions: Added 2/98

Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR	1455	1497	2952
-2	Inappropriate INAP, no sibling	358	388	746
0 - 21		635	758	1393
23 - 45		694	740	1434
48 - 68		751	722	1473
71 - 90		660	788	1448
91 - 100		438	433	871

Note: See Appendix G - COR652 for Construction of "new" IQ variables.
COR652 has details on formulas/methods used to transform scores
into the metric of Henmon-Nelson Junior year raw scores.

sflag: Source of IQ data.

Data source: Sibling Respondent Collected in: 1977 Mode: none
Source variables: IQ
Revisions: Added 2/98

Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR	1455	1497	2952
-2	Inappropriate INAP, no sibling	358	388	746
1	Wave 1 data set	861	893	1754
2	1997 search/ Henmon Nelson found	2231	2462	4693
3	1997 search/ Other tests combined	86	86	172

Note: If SFLAG eq 3, SWICR_OT has average percentile for other test scores.
See Appendix G - COR652 for Construction of "new" IQ variables.

shnrs: Raw Henmon-Nelson test score.

Data source: Sibling Respondent Collected in: 1977 Mode: none
Source variables: IQ
Revisions: Added 2/98

Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/Non-Henmon-Nelson score	1543	1587	3130
-2	Inappropriate INAP, no sibling	358	388	746
7 - 45		624	715	1339
46 - 53		626	692	1318
54 - 60		674	683	1357
61 - 68		630	714	1344
69 - 87		536	547	1083

Note: See Appendix G - COR652 for Construction of "new" IQ variables.

swicr_hn: Centile rank based on Wisconsin test takers for Henmon-Nelson test.

Data source: Sibling Respondent Collected in: 1977 Mode: none
 Source variables: IQ
 Revisions: Added 2/98

Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/Non-Henmon-Nelson score (SFLAG=3)	1541	1583	3124
-2	Inappropriate INAP, no sibling	358	388	746
0 - 23		597	731	1328
24 - 45		662	676	1338
46 - 65		676	634	1310
66 - 84		590	749	1339
85 - 100		567	565	1132

Note: See Appendix G - COR652 for Construction of "new" IQ variables.

swicr_ot: Centile rank based on Wisconsin test takers for tests other than the Henmon-Nelson test.

Data source: Sibling Respondent Collected in: 1977 Mode: none
Source variables: IQ

Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/Has Henmon-Nelson score (SFLAG<3)	4547	4852	9399
-2	Inappropriate INAP, no sibling	358	388	746
5 - 31		11	23	34
32 - 46		13	23	36
47 - 65		23	14	37
66 - 80		23	11	34
82 - 98		16	15	31

Note: See Appendix G - COR652 for Construction of "new" IQ variables.

sagecm: Age in months of sibling respondent when ability test was taken.

Data source: Sibling Respondent Collected in: 1977 Mode: none
Source variables: IQ
Revisions: Added 2/98
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Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/Missing STYEAR/STSEASN/XCMBRDX	2523	2622	5145
-2	Inappropriate INAP, no sibling	358	388	746
140 - 194		431	516	947
195 - 199		439	454	893
200 - 203		512	523	1035
204 - 208		465	520	985
209 - 327		263	303	566

Note: See Appendix G - COR652 for Construction of "new" IQ variables.

sdatet: Century month when ability test given.

Data source: Sibling Respondent Collected in: 1977 Mode: none

Source variables: IQ

Revisions: Added 2/98

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Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/Missing STYEAR or STSEASN	1461	1503	2964
-2	Inappropriate INAP, no sibling	358	388	746
400 - 616		669	754	1423
622 - 664		662	716	1378
670 - 712		773	800	1573
718 - 760		658	697	1355
766 - 922		410	468	878

Note: Constructed from STYEAR, STSEASN.

See Appendix G - COR652 for Construction of "new" IQ variables.

sgrade: Grade in which mental ability test given.

Data source: Sibling Respondent Collected in: 1977 Mode: none

Source variables: IQ

Revisions: Added 2/98

Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/No grade found	1455	1497	2952
-2	Inappropriate INAP, no sibling	358	388	746
7		3	2	5
8		368	387	755
9		121	143	264
10		379	447	826
11		2202	2352	4554
12		105	110	215

Note: Constructed from grade and season test given see cor652 for details.

styear: Year in which mental ability test given.

Data source: Sibling Respondent Collected in: 1977 Mode: none

Source variables: IQ

Revisions: Added 2/98

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Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/No year found	1457	1500	2957
-2	Inappropriate INAP, no sibling	358	388	746
33 - 51		672	755	1427
52 - 55		686	739	1425
56 - 59		785	817	1602
60 - 63		658	711	1369
64 - 76		375	416	791

Note: See Appendix G - COR652 for Construction of "new" IQ variables.

stgrade: Grade in which mental ability test given.

Data source: Sibling Respondent Collected in: 1977 Mode: none

Source variables: IQ

Revisions: Added 2/98

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Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/No grade found	1455	1498	2953
-2	Inappropriate INAP, no sibling	358	388	746
7		2	1	3
8		6	5	11
9		409	432	841
10		218	284	502
11		2381	2533	4914
12		162	185	347

Note: See Appendix G - COR652 for Construction of "new" IQ variables.

stseasn: Season in which mental ability test given.

Data source: Sibling Respondent Collected in: 1977 Mode: none

Source variables: IQ

Revisions: Added 2/98

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Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/ No Season found	1461	1501	2962
-2	Inappropriate INAP, no sibling	358	388	746
1	Fall	733	816	1549
2	Spring	2439	2621	5060

Note: A season was assigned if not known if at all possible. See next variable. If season code is missing, then at least one of the variables STYEAR, STGRADE, SWICR_HN or SHNRS are also missing. See Appendix G - COR652 for Construction of "new" IQ variables.

stseafg: Source of Season Code for mental ability test given.

Data source: Sibling Respondent Collected in: 1977 Mode: none

Source variables: IQ

Revisions: Added 2/98

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Value	Label	Frequencies		
		Male	Female	Total
-3	Ability scores not found/NR/ No Season found	1459	1500	2959
-2	Inappropriate INAP, no sibling	358	388	746
1	1997 lookup	2255	2479	4734
2	Match on year, grade, sib high school	91	104	195
3	Fairly certain	639	678	1317
4	Best guess	42	49	91
5	Random guess	1	1	2
6	Lookup of Wave 1 in Oct. 1997	146	127	273

Note: Code 3 - if at least 90% of all valid season codes were identical for a year/grade combination, then missing seasons for that year/grade were set to the same as the valid ones.

Code 4 - if the majority of valid season codes were identical for a year/grade combination, then missing seasons for that year/grade were assigned the season code of the majority.

Code 5 - If no other year/ grade combination had a valid season code then a season was assigned randomly.

See Appendix G - COR652 for Construction of "new" IQ variables.

sbkcd: Book code for IQ score. 8-character book code.

Data source: Sibling Respondent Collected in: 1977 Mode: none

Source variables: IQ

Revisions: Added 2/98

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Value	Label	Frequencies		
		Male	Female	Total
	System missing - NR	1880	1706	3586
"404112"		6	4	10
"4312"		11	17	28
"4811"		25	30	55
"4911"		42	32	74
"50511012"		2	2	4
"5253Iowa"		3	1	4
"5511"		89	82	171
"60SpM-Z"		0	1	1
"62sp"		9	9	18
"70Sp"		5	8	13

Note: Only 11 of 135 values are listed.

Note: See Appendix G - COR652 for Construction of "new" IQ variables

Table of Contents

Sibling IQ	1
swiiq_t: Preferred measure of sibling IQ score, mapped from raw Henmon-Nelson test score based on transformed raw score.	1
shnrs_t: Raw Henmon-Nelson test score, transformed to junior year metric.	2
shncr_t: Centile rank based on National test takers for Henmon-Nelson test score from junior year, based on transformed raw score.	2
swicr_t: Centile rank based on Wisconsin test takers for Henmon-Nelson test score from junior year, based on transformed raw score.	3
sflag: Source of IQ data.	4
shnrs: Raw Henmon-Nelson test score.	4
swicr_hn: Centile rank based on Wisconsin test takers for Henmon-Nelson test.	5
swicr_ot: Centile rank based on Wisconsin test takers for tests other than the Henmon-Nelson test.	6
sagecm: Age in months of sibling respondent when ability test was taken.	6
sdatet: Century month when ability test given.	7
sgrade: Grade in which mental ability test given.	8
styear: Year in which mental ability test given.	9
stgrade: Grade in which mental ability test given.	10
stseasn: Season in which mental ability test given.	10
stseafg: Source of Season Code for mental ability test given.	11
sbked: Book code for IQ score. 8-character book code.	11