

**Disparities Among Children Served by the CMHS
Children's Services Program**

Multiply Imputed Data Toolkit

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Introduction

As mentioned in the Overview of Multiple Imputation Data manual, it is important to critically review the multiply imputed datasets in order to make informed decisions regarding what variables to include in analyses and whether specific sites should be excluded from analyses.

In order to facilitate decision making, we have created three documents that may be useful in this process. Two of the documents, Table 1 and Table 2, are included in this Toolkit. The third document, ImputedDataChecksResults2.csv, is an Excel spreadsheet which can be found on the Sharepoint website.

Table 1 is a frequency table of missingness for all the variables in the observed (i.e., pre-imputed) data. Users may wish to know the extent of missingness of certain variables prior to the imputation process.

The Excel spreadsheet contains information regarding comparisons between three datasets. (It may be useful to open the document while reading this section). First, to assess the imputations themselves we compared the pre-imputed and imputed data. Second, we slightly modified our imputation model, created a new imputed dataset, and compared the original imputed data with the newly imputed data; this was done to assess sensitivity to the imputation process. The spreadsheet contains the results of these comparisons; however, a snapshot of the spreadsheet is included below. The imputed variables are listed in the first column and the sites are listed in the first row. The cells are either empty or contain a letter or combination of letters.

	17	18
susa1	n	
susa2	n	
susa3	zl	li
susa4	n	
susa5	n	
susa5a	zli	li

The letters represent the following information:

n = In the pre-imputed dataset, no children in that site had an observed value for that variable (i.e., 100% missingness).

z = All of the observations in that site in the pre-imputed data had the same value and the absolute difference in means between the pre-imputed and post-imputed average values was > 0.05 .

d = The absolute value of the difference in means between the pre-imputed and imputed data is > 2.0 standard deviations.

r = The ratio of variances for the pre-imputed and imputed data is > 2.0 or < 0.5 .

l = The absolute value of the difference in means between the first and second sets of imputed data is > 0.05 or the difference in standard deviations is > 2.0 standard deviations.

i = The ratio of the variances in the first and second sets of imputed data is > 2.0 or < 0.5 .

Each of these letters represents a potentially problematic situation for that variable in that site. For example, if the letter “n” is shown for a particular site and variable, we know that the imputations of that variable in that site are based primarily on data from other sites. The letters “z”, “d”, and “r” highlight differences between the pre-imputed and imputed values; these should be examined for a particular site and variable to determine whether they are reasonable or not. Differences between pre-imputed and imputed data might be reasonable if children with missing values on a particular variable in a site are very different from children with observed values on that variable. This would be determined by looking at other variables for which all children had observed values. If there were differences in the observed variables between these two groups of children then we might expect their imputed values to also be different. For example, if all boys in a site had a missing value on level of aggression and all girls had observed values, the pre-imputed and imputed levels of aggression may look quite different and we may decide that it is reasonable for them to be different. Finally, the letters “l” and “i” imply that the imputations may be sensitive to the particular imputation model used.

The last document, Table 3 (page 15), summarizes the information in the Excel spreadsheet. It includes a list of variables where more than 10% of sites have a particular problem and a list of sites that have more than 10% of the variables with a particular problem.

Taken together these documents should aid you in designing your research questions and analyses. We hope this information has been helpful and if you have any questions, please let us know.

Table 1: Frequency of Missingness on the Pre-Imputed Data

Variable	Obs	Missings	Feq.Missings	NonMiss	Feq.NonMiss
childid	9185	0	0	9185	100
agencyid	9185	323	3.517	8862	96.48
agency	9185	1961	21.35	7224	78.65
diqmon	9185	201	2.188	8984	97.81
diqday	9185	201	2.188	8984	97.81
diqyear	9185	201	2.188	8984	97.81
ref1	9185	960	10.45	8225	89.55
refloth	9185	583	6.347	8602	93.65
sibling	9185	2656	28.92	6529	71.08
sibid	9185	8921	97.13	264	2.874
cohort	9185	239	2.602	8946	97.4
diqintv	9185	584	6.358	8601	93.64
diqlang	9185	260	2.831	8925	97.17
dobmon	9185	159	1.731	9026	98.27
dobday	9185	160	1.742	9025	98.26
dobyyear	9185	160	1.742	9025	98.26
sex	9185	155	1.688	9030	98.31
hispanic	9185	375	4.083	8810	95.92
hisporg	9185	8138	88.6	1047	11.4
hispoth	9185	263	2.863	8922	97.14
race	9185	994	10.82	8191	89.18
othrace	9185	621	6.761	8564	93.24
zipcode	9185	153	1.666	9032	98.33
ref2	9185	480	5.226	8705	94.77
ref2oth	9185	554	6.032	8631	93.97
problem	9185	1024	11.15	8161	88.85
prodes	9185	943	10.27	8242	89.73
curserv	9185	554	6.032	8631	93.97
cursvmon	9185	4671	50.85	4514	49.15
cursvday	9185	5511	60	3674	40
cursvyr	9185	4096	44.59	5089	55.41
srvoutp	9185	649	7.066	8536	92.93
srvschol	9185	717	7.806	8468	92.19
srvdytr	9185	697	7.588	8488	92.41
srvrtcih	9185	660	7.186	8525	92.81
srvalch	9185	693	7.545	8492	92.46
psych	9185	437	4.758	8748	95.24
pabuse	9185	647	7.044	8538	92.96
sabuse	9185	879	9.57	8306	90.43
run	9185	461	5.019	8724	94.98
suicide	9185	481	5.237	8704	94.76
drug	9185	393	4.279	8792	95.72
sexabus	9185	580	6.315	8605	93.69
famvil	9185	722	7.861	8463	92.14
famill	9185	881	9.592	8304	90.41
pscychp	9185	4700	51.17	4485	48.83
pfelony	9185	972	10.58	8213	89.42
famabu	9185	726	7.904	8459	92.1
parntab	9185	4189	45.61	4996	54.39
relation	9185	787	8.568	8398	91.43
relatno	9185	583	6.347	8602	93.65
respsex	9185	2076	22.6	7109	77.4
custody	9185	352	3.832	8833	96.17
custodo	9185	583	6.347	8602	93.65
livhome	9185	848	9.232	8337	90.77
livmon	9185	6967	75.85	2218	24.15
livdays	9185	7366	80.2	1819	19.8
income	9185	1096	11.93	8089	88.07

educcg	9185	963	10.48	8222	89.52
respage	9185	2666	29.03	6519	70.97
medicaid	9185	424	4.616	8761	95.38
paysrvs	9185	563	6.13	8622	93.87
totfam	9185	1114	12.13	8071	87.87
totchild	9185	1145	12.47	8040	87.53
totadu	9185	1156	12.59	8029	87.41
chronic	9185	473	5.15	8712	94.85
chrondes	9185	172	1.873	9013	98.13
medphys	9185	4941	53.79	4244	46.21
medphysn	9185	174	1.894	9011	98.11
medbeh	9185	561	6.108	8624	93.89
medbehn	9185	4697	51.14	4488	48.86
servmon	9185	9092	98.99	93	1.013
servday	9185	9092	98.99	93	1.013
servyear	9185	9100	99.07	85	.9254
diqidate	9185	256	2.787	8929	97.21
age	9185	189	2.058	8996	97.94
hisp	9185	375	4.083	8810	95.92
poverty	9185	1096	11.93	8089	88.07
custodyr	9185	434	4.725	8751	95.27
nrace1	9185	880	9.581	8305	90.42
nrace2	9185	877	9.548	8308	90.45
nrace3	9185	873	9.505	8312	90.5
nrace4	9185	877	9.548	8308	90.45
nrace5	9185	863	9.396	8322	90.6
nrace7	9185	437	4.758	8748	95.24
nhisporg	9185	8095	88.13	1090	11.87
nrace6	9185	877	9.548	8308	90.45
racemult	9185	560	6.097	8625	93.9
nrace8	9185	875	9.526	8310	90.47
prob1	9185	1039	11.31	8146	88.69
prob2	9185	1035	11.27	8150	88.73
prob3	9185	1035	11.27	8150	88.73
prob4	9185	1035	11.27	8150	88.73
prob5	9185	1035	11.27	8150	88.73
prob6	9185	1035	11.27	8150	88.73
prob7	9185	1036	11.28	8149	88.72
prob8	9185	1036	11.28	8149	88.72
prob9	9185	1036	11.28	8149	88.72
prob10	9185	1036	11.28	8149	88.72
prob11	9185	1035	11.27	8150	88.73
prob12	9185	1035	11.27	8150	88.73
prob13	9185	1036	11.28	8149	88.72
prob14	9185	1036	11.28	8149	88.72
prob15	9185	1036	11.28	8149	88.72
prob16	9185	1036	11.28	8149	88.72
prob17	9185	1036	11.28	8149	88.72
prob18	9185	1036	11.28	8149	88.72
prob19	9185	1036	11.28	8149	88.72
prob20	9185	1035	11.27	8150	88.73
prob21	9185	1036	11.28	8149	88.72
prob22	9185	1035	11.27	8150	88.73
prob23	9185	1036	11.28	8149	88.72
prob24	9185	1036	11.28	8149	88.72
prob25	9185	1036	11.28	8149	88.72
prob26	9185	1036	11.28	8149	88.72
prob27	9185	1036	11.28	8149	88.72
prob28	9185	1036	11.28	8149	88.72
prob29	9185	1036	11.28	8149	88.72
prob30	9185	1036	11.28	8149	88.72
prob31	9185	1036	11.28	8149	88.72
prob32	9185	1035	11.27	8150	88.73

prob33	9185	1036	11.28	8149	88.72
probnum	9185	1603	17.45	7582	82.55
cafmon	9185	2277	24.79	6908	75.21
cafday	9185	2276	24.78	6909	75.22
cafyear	9185	2277	24.79	6908	75.21
cafrater	9185	2594	28.24	6591	71.76
caflang	9185	2862	31.16	6323	68.84
cafdate	9185	1811	19.72	7374	80.28
brresp	9185	2402	26.15	6783	73.85
brmon	9185	2398	26.11	6787	73.89
brday	9185	2398	26.11	6787	73.89
bryear	9185	2398	26.11	6787	73.89
brlang	9185	2418	26.33	6767	73.67
berdate	9185	1874	20.4	7311	79.6
berist	9185	1962	21.36	7223	78.64
berfit	9185	2066	22.49	7119	77.51
beriastr	9185	1965	21.39	7220	78.61
bersft	9185	2514	27.37	6671	72.63
berastr	9185	1961	21.35	7224	78.65
bersraw	9185	1999	21.76	7186	78.24
nissts	9185	2008	21.86	7177	78.14
nfists	9185	2108	22.95	7077	77.05
niassts	9185	2009	21.87	7176	78.13
nsfsts	9185	2533	27.58	6652	72.42
nassts	9185	2008	21.86	7177	78.14
nberssu	9185	1981	21.57	7204	78.43
nberssq	9185	1982	21.58	7203	78.42
totber	9185	5118	55.72	4067	44.28
cbcmon	9185	1965	21.39	7220	78.61
cbcday	9185	1965	21.39	7220	78.61
cbcyear	9185	1965	21.39	7220	78.61
cbcresp	9185	2601	28.32	6584	71.68
cbcintv	9185	2366	25.76	6819	74.24
cbcmeth	9185	2391	26.03	6794	73.97
cbclang	9185	2439	26.55	6746	73.45
csex	9185	2180	23.73	7005	76.27
cage	9185	1656	18.03	7529	81.97
cactivr	9185	2309	25.14	6876	74.86
csociar	9185	2491	27.12	6694	72.88
cscholr	9185	3230	35.17	5955	64.83
ctotcomr	9185	3712	40.41	5473	59.59
socact	9185	2833	30.84	6352	69.16
socsoc	9185	2800	30.48	6385	69.52
socsch	9185	3245	35.33	5940	64.67
totcomp	9185	3747	40.79	5438	59.21
withdrr	9185	1751	19.06	7434	80.94
somcomr	9185	1751	19.06	7434	80.94
anxdepr	9185	1753	19.09	7432	80.91
socpror	9185	1752	19.07	7433	80.93
thoprpr	9185	1760	19.16	7425	80.84
attprpr	9185	1753	19.09	7432	80.91
delbehr	9185	1753	19.09	7432	80.91
aggbehr	9185	1751	19.06	7434	80.94
sexpror	9185	6523	71.02	2662	28.98
withdraw	9185	1478	16.09	7707	83.91
somcom	9185	1756	19.12	7429	80.88
anxdep	9185	1758	19.14	7427	80.86
sprob	9185	1755	19.11	7430	80.89
thought	9185	1759	19.15	7426	80.85
attent	9185	1758	19.14	7427	80.86
delinq	9185	1758	19.14	7427	80.86
agress	9185	1756	19.12	7429	80.88
sexprob	9185	6523	71.02	2662	28.98

numprok	9185	6346	69.09	2839	30.91
ctotraw	9185	1751	19.06	7434	80.94
totprob	9185	1767	19.24	7418	80.76
cintraw	9185	1752	19.07	7433	80.93
interna	9185	1757	19.13	7428	80.87
cextraw	9185	1751	19.06	7434	80.94
externa	9185	1756	19.12	7429	80.88
nummisp	9185	6346	69.09	2839	30.91
cbcdate	9185	1656	18.03	7529	81.97
susmon	9185	4683	50.99	4502	49.01
susday	9185	4677	50.92	4508	49.08
susyear	9185	4677	50.92	4508	49.08
susintv	9185	4682	50.97	4503	49.03
susmeth	9185	4685	51.01	4500	48.99
suslang	9185	4683	50.99	4502	49.01
susa1	9185	4341	47.26	4844	52.74
susa2	9185	6771	73.72	2414	26.28
susa3	9185	6722	73.18	2463	26.82
susa4	9185	7753	84.41	1432	15.59
susa5	9185	7773	84.63	1412	15.37
susa5a	9185	8486	92.39	699	7.61
susa6	9185	4348	47.34	4837	52.66
susa7	9185	6472	70.46	2713	29.54
susa8	9185	6447	70.19	2738	29.81
susa9	9185	7327	79.77	1858	20.23
susa10a	9185	4362	47.49	4823	52.51
susa10b	9185	7130	77.63	2055	22.37
susa10c	9185	7095	77.25	2090	22.75
susa10d	9185	8081	87.98	1104	12.02
susa11a	9185	4366	47.53	4819	52.47
susa11b	9185	8772	95.5	413	4.496
susa11c	9185	8755	95.32	430	4.682
susa11d	9185	9073	98.78	112	1.219
susa12a	9185	4370	47.58	4815	52.42
susa12b	9185	8741	95.17	444	4.834
susa12c	9185	8735	95.1	450	4.899
susa12d	9185	9068	98.73	117	1.274
susa13a	9185	4363	47.5	4822	52.5
susa13b	9185	9083	98.89	102	1.111
susa13c	9185	9080	98.86	105	1.143
susa13d	9185	9165	99.78	20	.2177
susa14a	9185	4360	47.47	4825	52.53
susa14b	9185	9012	98.12	173	1.884
susa14c	9185	9011	98.11	174	1.894
susa14d	9185	9137	99.48	48	.5226
susa15a	9185	4365	47.52	4820	52.48
susa15b	9185	8844	96.29	341	3.713
susa15c	9185	8841	96.25	344	3.745
susa15d	9185	9063	98.67	122	1.328
susa16a	9185	4362	47.49	4823	52.51
susa16b	9185	8861	96.47	324	3.527
susa16c	9185	8855	96.41	330	3.593
susa16d	9185	9070	98.75	115	1.252
susa17a	9185	4367	47.54	4818	52.46
susa17b	9185	9146	99.58	39	.4246
susa17c	9185	9142	99.53	43	.4682
susa17d	9185	9178	99.92	7	.0762
susa18a	9185	4361	47.48	4824	52.52
susa18b	9185	9042	98.44	143	1.557
susa18c	9185	9039	98.41	146	1.59
susa18d	9185	9134	99.44	51	.5553
susa19a	9185	4364	47.51	4821	52.49
susa19b	9185	8971	97.67	214	2.33

susa19c	9185	8969	97.65	216	2.352
susa19d	9185	9115	99.24	70	.7621
susa20a	9185	4367	47.54	4818	52.46
susa20b	9185	8912	97.03	273	2.972
susa20c	9185	8904	96.94	281	3.059
susa20d	9185	9081	98.87	104	1.132
susa21a	9185	4372	47.6	4813	52.4
susa21b	9185	8766	95.44	419	4.562
susa21c	9185	8757	95.34	428	4.66
susa21d	9185	8996	97.94	189	2.058
susb1a	9185	7114	77.45	2071	22.55
susb1b	9185	8718	94.92	467	5.084
susb2a	9185	7120	77.52	2065	22.48
susb2b	9185	8913	97.04	272	2.961
susb3a	9185	7108	77.39	2077	22.61
susb3b	9185	8672	94.41	513	5.585
susb4a	9185	7350	80.02	1835	19.98
susb4b	9185	9086	98.92	99	1.078
susb5a	9185	7121	77.53	2064	22.47
susb5b	9185	9080	98.86	105	1.143
susb6a	9185	7114	77.45	2071	22.55
susb6b	9185	8828	96.11	357	3.887
susb7a	9185	7106	77.37	2079	22.63
susb7b	9185	9002	98.01	183	1.992
susb8a	9185	7112	77.43	2073	22.57
susb8b	9185	8453	92.03	732	7.97
susb9a	9185	7149	77.83	2036	22.17
susb9b	9185	9047	98.5	138	1.502
susb10a	9185	7110	77.41	2075	22.59
susb10b	9185	8889	96.78	296	3.223
susb11a	9185	7115	77.46	2070	22.54
susb11b	9185	8761	95.38	424	4.616
susb12a	9185	7104	77.34	2081	22.66
susb12b	9185	8306	90.43	879	9.57
susb13a	9185	7103	77.33	2082	22.67
susb13b	9185	8665	94.34	520	5.661
susb14a	9185	7106	77.37	2079	22.63
susb14b	9185	8679	94.49	506	5.509
susb15a	9185	7107	77.38	2078	22.62
susb15b	9185	8729	95.04	456	4.965
susb16a	9185	7104	77.34	2081	22.66
susb16b	9185	8288	90.23	897	9.766
susb17a	9185	7111	77.42	2074	22.58
susb17b	9185	8770	95.48	415	4.518
susb18a	9185	7109	77.4	2076	22.6
susb18b	9185	8331	90.7	854	9.298
susb19a	9185	7111	77.42	2074	22.58
susb19b	9185	8629	93.95	556	6.053
susb20a	9185	7110	77.41	2075	22.59
susb20b	9185	8647	94.14	538	5.857
susb21a	9185	7119	77.51	2066	22.49
susb21b	9185	9153	99.65	32	.3484
susdate	9185	4344	47.29	4841	52.71
susnum	9185	4390	47.8	4795	52.2
alc6	9185	6722	73.18	2463	26.82
cig6	9185	6447	70.19	2738	29.81
mar6	9185	7095	77.25	2090	22.75
siteid	9185	0	0	9185	100
siteid1	9185	0	0	9185	100
siteid1b	9185	0	0	9185	100
medbeh1	9185	8679	94.49	506	5.509
medbeh2	9185	8861	96.47	324	3.527
medbeh3	9185	8937	97.3	248	2.7

medbeh4	9185	8983	97.8	202	2.199
medbeh5	9185	9001	98	184	2.003
zipclass	9185	63	.6859	9122	99.31
phases	9185	0	0	9185	100
phtwocy	9185	3901	42.47	5284	57.53
racem	9185	1177	12.81	8008	87.19
racen	9185	1177	12.81	8008	87.19
hispc	9185	1177	12.81	8008	87.19
rolesi	9185	1571	17.1	7614	82.9
eqi	9185	1650	17.96	7535	82.04
cgsqi	9185	1897	20.65	7288	79.35
fadci	9185	1849	20.13	7336	79.87
frsi	9185	1848	20.12	7337	79.88
bersi	9185	2094	22.8	7091	77.2
cbcli	9185	1965	21.39	7220	78.61
cafasi	9185	2081	22.66	7104	77.34
fadyi	9185	4096	44.59	5089	55.41
ysri	9185	3950	43	5235	57
dsi	9185	3888	42.33	5297	57.67
susi	9185	3875	42.19	5310	57.81
baseline	9185	44	.479	9141	99.52
entryyear	9185	194	2.112	8991	97.89
funding	9185	0	0	9185	100
yrfunded	9185	194	2.112	8991	97.89
diqeducg	9185	963	10.48	8222	89.52
srolecat	9185	1848	20.12	7337	79.88
homecat	9185	1833	19.96	7352	80.04
comcat	9185	1821	19.83	7364	80.17
behcat	9185	1823	19.85	7362	80.15
moodcat	9185	1824	19.86	7361	80.14
harmcat	9185	1821	19.83	7364	80.17
subcat	9185	1844	20.08	7341	79.92
thinkcat	9185	1825	19.87	7360	80.13
atleast5	9185	0	0	9185	100
diqresp	9185	289	3.146	8896	96.85
diqmeth	9185	369	4.017	8816	95.98
brintv	9185	2425	26.4	6760	73.6
brmeth	9185	2423	26.38	6762	73.62
armon	9185	1893	20.61	7292	79.39
arday	9185	1895	20.63	7290	79.37
aryear	9185	1892	20.6	7293	79.4
diageval	9185	2740	29.83	6445	70.17
diagmon	9185	3060	33.32	6125	66.68
diagday	9185	3166	34.47	6019	65.53
diagyear	9185	3026	32.95	6159	67.05
axis_1a	9185	1866	20.32	7319	79.68
axis_1b	9185	4550	49.54	4635	50.46
axis_1c	9185	7128	77.6	2057	22.4
axis_2a	9185	5006	54.5	4179	45.5
axis_2b	9185	8593	93.55	592	6.445
axis_3	9185	648	7.055	8537	92.95
axis_4	9185	675	7.349	8510	92.65
gaf	9185	3880	42.24	5305	57.76
intmon	9185	2327	25.33	6858	74.67
intday	9185	2327	25.33	6858	74.67
intyear	9185	2327	25.33	6858	74.67
srvmon	9185	2302	25.06	6883	74.94
srvday	9185	2306	25.11	6879	74.89
srvyear	9185	2301	25.05	6884	74.95
resp	9185	3777	41.12	5408	58.88
resp2rel	9185	8682	94.52	503	5.476
resp2reo	9185	800	8.71	8385	91.29
resp2sex	9185	8687	94.58	498	5.422

concern1	9185	4255	46.33	4930	53.67
concernc	9185	1195	13.01	7990	86.99
concern2	9185	5780	62.93	3405	37.07
concerny	9185	1196	13.02	7989	86.98
aridate	9185	1933	21.05	7252	78.95
dsmcat1	9185	1866	20.32	7319	79.68
dsmcat2	9185	4550	49.54	4635	50.46
dsmcat3	9185	7128	77.6	2057	22.4
dsmcat4	9185	5006	54.5	4179	45.5
dsmcat5	9185	8593	93.55	592	6.445
dsmsub	9185	2181	23.75	7004	76.25
dsmvco	9185	2181	23.75	7004	76.25
dsmoth	9185	2181	23.75	7004	76.25
dsmpsy	9185	2181	23.75	7004	76.25
dsmmood	9185	2181	23.75	7004	76.25
dsmaut	9185	2181	23.75	7004	76.25
dsmanx	9185	2181	23.75	7004	76.25
dsmadj	9185	2181	23.75	7004	76.25
dsmpts	9185	2181	23.75	7004	76.25
dsmimp	9185	2181	23.75	7004	76.25
dsmodd	9185	2181	23.75	7004	76.25
dsmadd	9185	2181	23.75	7004	76.25
dsmcon	9185	2181	23.75	7004	76.25
dsmdbd	9185	2181	23.75	7004	76.25
dsmper	9185	2181	23.75	7004	76.25
dsmmr	9185	2181	23.75	7004	76.25
dsmlld	9185	2181	23.75	7004	76.25
diagnum	9185	2181	23.75	7004	76.25
mhconum	9185	2181	23.75	7004	76.25
disconum	9185	2181	23.75	7004	76.25
clconum	9185	2181	23.75	7004	76.25
comorsub	9185	2202	23.97	6983	76.03
axis41	9185	4131	44.98	5054	55.02
axis42	9185	4131	44.98	5054	55.02
axis43	9185	4131	44.98	5054	55.02
axis44	9185	4131	44.98	5054	55.02
axis45	9185	4131	44.98	5054	55.02
axis46	9185	4131	44.98	5054	55.02
axis47	9185	4131	44.98	5054	55.02
axis48	9185	4131	44.98	5054	55.02
axis49	9185	4131	44.98	5054	55.02
eqresp	9185	1915	20.85	7270	79.15
eqmon	9185	1905	20.74	7280	79.26
eqday	9185	1905	20.74	7280	79.26
eqyear	9185	1905	20.74	7280	79.26
eqintv	9185	1913	20.83	7272	79.17
eqmeth	9185	1914	20.84	7271	79.16
eqlang	9185	1910	20.79	7275	79.21
edul	9185	2712	29.53	6473	70.47
edula	9185	2812	30.62	6373	69.38
edu2	9185	1706	18.57	7479	81.43
edu2o	9185	1821	19.83	7364	80.17
edu3	9185	1466	15.96	7719	84.04
edu3a	9185	8902	96.92	283	3.081
edu3ao	9185	2219	24.16	6966	75.84
edu3b	9185	9163	99.76	22	.2395
edu3c	9185	9167	99.8	18	.196
edu4	9185	3051	33.22	6134	66.78
edu4a	9185	2222	24.19	6963	75.81
edu4ao	9185	1676	18.25	7509	81.75
edu5	9185	1992	21.69	7193	78.31
edu5a	9185	3424	37.28	5761	62.72
edu5b	9185	3028	32.97	6157	67.03

edu5c	9185	3411	37.14	5774	62.86
edu6	9185	2230	24.28	6955	75.72
edu6o	9185	1857	20.22	7328	79.78
edu6a	9185	3169	34.5	6016	65.5
edu7	9185	2080	22.65	7105	77.35
edu7a	9185	6480	70.55	2705	29.45
edu7ao	9185	2230	24.28	6955	75.72
edu7b	9185	2230	24.28	6955	75.72
edu7bo	9185	2230	24.28	6955	75.72
edu7c	9185	3195	34.78	5990	65.22
edu8	9185	3121	33.98	6064	66.02
edu9	9185	3245	35.33	5940	64.67
edu10	9185	3605	39.25	5580	60.75
edu10o	9185	1695	18.45	7490	81.55
edu11	9185	3103	33.78	6082	66.22
edu12	9185	2071	22.55	7114	77.45
edu13	9185	2342	25.5	6843	74.5
edu14	9185	2167	23.59	7018	76.41
edu15	9185	1992	21.69	7193	78.31
edu15a	9185	6225	67.77	2960	32.23
edu15b	9185	6517	70.95	2668	29.05
edu16	9185	2106	22.93	7079	77.07
edu16a	9185	7039	76.64	2146	23.36
edu17	9185	2028	22.08	7157	77.92
edu17a	9185	8692	94.63	493	5.367
edu17b	9185	8762	95.39	423	4.605
edu18	9185	5791	63.05	3394	36.95
edu19	9185	2245	24.44	6940	75.56
edu19o	9185	1686	18.36	7499	81.64
edu19a	9185	2476	26.96	6709	73.04
edu20	9185	3133	34.11	6052	65.89
edu20o	9185	1688	18.38	7497	81.62
edu21	9185	3207	34.92	5978	65.08
edu21a	9185	2230	24.28	6955	75.72
edu2aold	9185	9069	98.74	116	1.263
edu4old	9185	9012	98.12	173	1.884
edu15old	9185	8298	90.34	887	9.657
eqdate	9185	1437	15.65	7748	84.35
edu61	9185	1854	20.19	7331	79.81
edu62	9185	1892	20.6	7293	79.4
edu63	9185	1892	20.6	7293	79.4
edu64	9185	1892	20.6	7293	79.4
edu65	9185	1892	20.6	7293	79.4
edu66	9185	1891	20.59	7294	79.41
edu67	9185	1892	20.6	7293	79.4
edu68	9185	1892	20.6	7293	79.4
edu69	9185	1892	20.6	7293	79.4
edu610	9185	1792	19.51	7393	80.49
edu611	9185	1946	21.19	7239	78.81
ed7btemp	9185	1965	21.39	7220	78.61
edu7b1	9185	4508	49.08	4677	50.92
edu7b2	9185	4462	48.58	4723	51.42
edu7b3	9185	4462	48.58	4723	51.42
edu7b4	9185	4462	48.58	4723	51.42
edu7b5	9185	4462	48.58	4723	51.42
edu7b6	9185	4462	48.58	4723	51.42
edu7b7	9185	4462	48.58	4723	51.42
gradelvl	9185	2222	24.19	6963	75.81
redu19	9185	2245	24.44	6940	75.56
speced	9185	3212	34.97	5973	65.03
source01	9185	9086	98.92	99	1.078
rolresp	9185	1797	19.56	7388	80.44
rolmon	9185	1782	19.4	7403	80.6

rolday	9185	1782	19.4	7403	80.6
rolyear	9185	1782	19.4	7403	80.6
rolintv	9185	1807	19.67	7378	80.33
rolmeth	9185	1803	19.63	7382	80.37
rollang	9185	1792	19.51	7393	80.49
liv1a	9185	1298	14.13	7887	85.87
liv1bm	9185	1724	18.77	7461	81.23
liv1bd	9185	2197	23.92	6988	76.08
liv1by	9185	1632	17.77	7553	82.23
liv2a	9185	6114	66.57	3071	33.43
liv2bm	9185	6300	68.59	2885	31.41
liv2bd	9185	6608	71.94	2577	28.06
liv2by	9185	6262	68.18	2923	31.82
liv2cm	9185	6350	69.13	2835	30.87
liv2cd	9185	6598	71.83	2587	28.17
liv2cy	9185	6338	69	2847	31
liv3a	9185	7402	80.59	1783	19.41
liv3bm	9185	7523	81.91	1662	18.09
liv3bd	9185	7673	83.54	1512	16.46
liv3by	9185	7506	81.72	1679	18.28
liv3cm	9185	7529	81.97	1656	18.03
liv3cd	9185	7690	83.72	1495	16.28
liv3cy	9185	7513	81.8	1672	18.2
liv4a	9185	8394	91.39	791	8.612
liv4bm	9185	8441	91.9	744	8.1
liv4bd	9185	8519	92.75	666	7.251
liv4by	9185	8431	91.79	754	8.209
liv4cm	9185	8454	92.04	731	7.959
liv4cd	9185	8532	92.89	653	7.109
liv4cy	9185	8440	91.89	745	8.111
liv5a	9185	8737	95.12	448	4.878
liv5bm	9185	8767	95.45	418	4.551
liv5bd	9185	8808	95.9	377	4.105
liv5by	9185	8761	95.38	424	4.616
liv5cm	9185	8773	95.51	412	4.486
liv5cd	9185	8822	96.05	363	3.952
liv5cy	9185	8768	95.46	417	4.54
liv6a	9185	8962	97.57	223	2.428
liv6bm	9185	8976	97.72	209	2.275
liv6bd	9185	8999	97.97	186	2.025
liv6by	9185	8976	97.72	209	2.275
liv6cm	9185	8977	97.74	208	2.265
liv6cd	9185	9002	98.01	183	1.992
liv6cy	9185	8975	97.71	210	2.286
liv7a	9185	9035	98.37	150	1.633
liv7bm	9185	9044	98.46	141	1.535
liv7bd	9185	9056	98.6	129	1.404
liv7by	9185	9046	98.49	139	1.513
liv7cm	9185	9049	98.52	136	1.481
liv7cd	9185	9067	98.72	118	1.285
liv7cy	9185	9047	98.5	138	1.502
liv8a	9185	9092	98.99	93	1.013
liv8bm	9185	9100	99.07	85	.9254
liv8bd	9185	9105	99.13	80	.871
liv8by	9185	9098	99.05	87	.9472
liv8cm	9185	9099	99.06	86	.9363
liv8cd	9185	9108	99.16	77	.8383
liv8cy	9185	9099	99.06	86	.9363
liv9a	9185	9119	99.28	66	.7186
liv9bm	9185	9126	99.36	59	.6424
liv9bd	9185	9129	99.39	56	.6097
liv9by	9185	9124	99.34	61	.6641
liv9cm	9185	9126	99.36	59	.6424

liv9cd	9185	9129	99.39	56	.6097
liv9cy	9185	9125	99.35	60	.6532
liv10a	9185	9140	99.51	45	.4899
liv10bm	9185	9145	99.56	40	.4355
liv10bd	9185	9145	99.56	40	.4355
liv10by	9185	9145	99.56	40	.4355
liv10cm	9185	9147	99.59	38	.4137
liv10cd	9185	9147	99.59	38	.4137
liv10cy	9185	9145	99.56	40	.4355
liv11	9185	8459	92.1	726	7.904
liv12a	9185	9053	98.56	132	1.437
liv12bm	9185	9064	98.68	121	1.317
liv12bd	9185	9075	98.8	110	1.198
liv12by	9185	9064	98.68	121	1.317
liv12cm	9185	9068	98.73	117	1.274
liv12cd	9185	9076	98.81	109	1.187
liv12cy	9185	9069	98.74	116	1.263
liv13a	9185	9141	99.52	44	.479
liv13bm	9185	9147	99.59	38	.4137
liv13bd	9185	9150	99.62	35	.3811
liv13by	9185	9148	99.6	37	.4028
liv13cm	9185	9147	99.59	38	.4137
liv13cd	9185	9149	99.61	36	.3919
liv13cy	9185	9147	99.59	38	.4137
liv14a	9185	9158	99.71	27	.294
liv14bm	9185	9161	99.74	24	.2613
liv14bd	9185	9163	99.76	22	.2395
liv14by	9185	9161	99.74	24	.2613
liv14cm	9185	9161	99.74	24	.2613
liv14cd	9185	9162	99.75	23	.2504
liv14cy	9185	9162	99.75	23	.2504
liv15a	9185	9169	99.83	16	.1742
liv15bm	9185	9172	99.86	13	.1415
liv15bd	9185	9173	99.87	12	.1306
liv15by	9185	9172	99.86	13	.1415
liv15cm	9185	9173	99.87	12	.1306
liv15cd	9185	9173	99.87	12	.1306
liv15cy	9185	9173	99.87	12	.1306
liv16a	9185	9172	99.86	13	.1415
liv16bm	9185	9176	99.9	9	.098
liv16bd	9185	9176	99.9	9	.098
liv16by	9185	9175	99.89	10	.1089
liv16cm	9185	9176	99.9	9	.098
liv16cd	9185	9176	99.9	9	.098
liv16cy	9185	9176	99.9	9	.098
roldate	9185	1258	13.7	7927	86.3
totliv	9185	1293	14.08	7892	85.92
totlv1	9185	1293	14.08	7892	85.92
lvre1	9185	1353	14.73	7832	85.27
lvre2	9185	6139	66.84	3046	33.16
lvre3	9185	7413	80.71	1772	19.29
lvre4	9185	8399	91.44	786	8.557
lvre5	9185	8740	95.16	445	4.845
lvre6	9185	8964	97.59	221	2.406
lvre7	9185	9037	98.39	148	1.611
lvre8	9185	9093	99	92	1.002
lvre9	9185	9121	99.3	64	.6968
lvre10	9185	9142	99.53	43	.4682
lvre12	9185	9063	98.67	122	1.328
lvre13	9185	9142	99.53	43	.4682
lvre14	9185	9162	99.75	23	.2504
lvre15	9185	9171	99.85	14	.1524
lvre16	9185	9173	99.87	12	.1306

dsmon	9185	4681	50.96	4504	49.04
dsday	9185	4681	50.96	4504	49.04
dsyear	9185	4681	50.96	4504	49.04
dsintv	9185	4685	51.01	4500	48.99
dsmeth	9185	4689	51.05	4496	48.95
dslang	9185	4684	51	4501	49
ds1	9185	4361	47.48	4824	52.52
ds2	9185	4339	47.24	4846	52.76
ds3	9185	4343	47.28	4842	52.72
ds4	9185	4340	47.25	4845	52.75
ds4a	9185	4681	50.96	4504	49.04
ds5	9185	4350	47.36	4835	52.64
ds6	9185	4397	47.87	4788	52.13
ds7	9185	4328	47.12	4857	52.88
ds7a	9185	4681	50.96	4504	49.04
ds8	9185	4515	49.16	4670	50.84
ds9	9185	4340	47.25	4845	52.75
ds10	9185	4339	47.24	4846	52.76
ds11	9185	4358	47.45	4827	52.55
ds12	9185	4346	47.32	4839	52.68
ds13	9185	4339	47.24	4846	52.76
ds14	9185	4341	47.26	4844	52.74
ds15	9185	4339	47.24	4846	52.76
ds16	9185	4343	47.28	4842	52.72
ds17	9185	4348	47.34	4837	52.66
ds18	9185	4379	47.68	4806	52.32
ds19	9185	4352	47.38	4833	52.62
ds20	9185	4353	47.39	4832	52.61
ds20a	9185	6815	74.2	2370	25.8
ds20b	9185	6845	74.52	2340	25.48
ds21	9185	4371	47.59	4814	52.41
ds21a	9185	7062	76.89	2123	23.11
ds21b	9185	5742	62.51	3443	37.49
ds21c	9185	4305	46.87	4880	53.13
ds22	9185	4354	47.4	4831	52.6
ds22a	9185	5945	64.73	3240	35.27
ds22b	9185	4338	47.23	4847	52.77
ds23	9185	4390	47.8	4795	52.2
ds23a	9185	7640	83.18	1545	16.82
ds23b	9185	7612	82.87	1573	17.13
ds23c	9185	4308	46.9	4877	53.1
ds24	9185	4363	47.5	4822	52.5
ds24a	9185	7271	79.16	1914	20.84
ds24bmon	9185	7634	83.11	1551	16.89
ds24bday	9185	7998	87.08	1187	12.92
ds24byr	9185	7453	81.14	1732	18.86
ds25	9185	4459	48.55	4726	51.45
ds25a	9185	7495	81.6	1690	18.4
dsdate	9185	4342	47.27	4843	52.73
ds20age	9185	4290	46.71	4895	53.29
ds21age	9185	4287	46.67	4898	53.33
ds23age	9185	4290	46.71	4895	53.29
ds20r	9185	4331	47.15	4854	52.85
ds21r	9185	4324	47.08	4861	52.92
ds23r	9185	4343	47.28	4842	52.72
ds23br	9185	4356	47.43	4829	52.57
ds24r	9185	4330	47.14	4855	52.86
ds24ar	9185	4364	47.51	4821	52.49
ds25r	9185	4411	48.02	4774	51.98
ds25ar	9185	4424	48.17	4761	51.83
ds20br	9185	4541	49.44	4644	50.56
ds21br	9185	4466	48.62	4719	51.38
ysrmon	9185	3950	43	5235	57

ysrday	9185	3950	43	5235	57
ysryear	9185	3950	43	5235	57
ysrintv	9185	4257	46.35	4928	53.65
ysrmeth	9185	4192	45.64	4993	54.36
ysrlang	9185	4331	47.15	4854	52.85
ysex	9185	4748	51.69	4437	48.31
yage	9185	4224	45.99	4961	54.01
yactivr	9185	4803	52.29	4382	47.71
ysociar	9185	4757	51.79	4428	48.21
schooly	9185	7148	77.82	2037	22.18
ytotcomr	9185	5457	59.41	3728	40.59
ysocac	9185	4962	54.02	4223	45.98
ysocso	9185	4760	51.82	4425	48.18
yschool	9185	8786	95.66	399	4.344
ytotcomp	9185	5454	59.38	3731	40.62
ysrlet	9185	7483	81.47	1702	18.53
withdry	9185	4462	48.58	4723	51.42
somcomy	9185	4465	48.61	4720	51.39
anxdepy	9185	4461	48.57	4724	51.43
socproy	9185	4463	48.59	4722	51.41
thoproxy	9185	4469	48.66	4716	51.34
attproy	9185	4464	48.6	4721	51.4
delbehy	9185	4462	48.58	4723	51.42
aggbehy	9185	4460	48.56	4725	51.44
desidry	9185	6198	67.48	2987	32.52
ywithdr	9185	4465	48.61	4720	51.39
ysomco	9185	4468	48.64	4717	51.36
yanxde	9185	4465	48.61	4720	51.39
ysprob	9185	4466	48.62	4719	51.38
ythoug	9185	4467	48.63	4718	51.37
yatten	9185	4468	48.64	4717	51.36
ydelin	9185	4465	48.61	4720	51.39
yagres	9185	4464	48.6	4721	51.4
yident	9185	6100	66.41	3085	33.59
ytotraw	9185	4461	48.57	4724	51.43
ytotpro	9185	4465	48.61	4720	51.39
yintraw	9185	4461	48.57	4724	51.43
yintrn	9185	4465	48.61	4720	51.39
yextraw	9185	4460	48.56	4725	51.44
yextern	9185	4464	48.6	4721	51.4
ysrdate	9185	4333	47.17	4852	52.83
compy	9185	5455	59.39	3730	40.61
intery	9185	4465	48.61	4720	51.39
extery	9185	4464	48.6	4721	51.4
totysr	9185	4465	48.61	4720	51.39

Table 2: Summary of Comparisons between pre-imputed and imputed data

Pages 1-2 of this document provide a description of each type of problem (n, z, d, r, l, i).

A. Summary of site results: For each site, fraction of variables with each type of problem

	n	z	d	r	l	i
1	0.05	0.02	0.00	0.01	0.00	0.02
2	0.01	0.00	0.00	0.02	0.00	0.01
3	0.22	0.11	0.04	0.08	0.09	0.10
4	0.11	0.00	0.01	0.02	0.01	0.05
5	0.03	0.02	0.01	0.03	0.01	0.02
6	0.02	0.01	0.01	0.02	0.01	0.02
7	0.25	0.02	0.00	0.01	0.01	0.04
8	0.58	0.02	0.01	0.02	0.02	0.02
9	0.16	0.03	0.01	0.02	0.03	0.05
10	0.05	0.01	0.01	0.03	0.01	0.02
11	0.03	0.02	0.01	0.01	0.01	0.03
12	0.04	0.01	0.01	0.02	0.01	0.04
13	0.05	0.02	0.00	0.01	0.01	0.03
14	0.02	0.01	0.01	0.01	0.01	0.01
15	0.04	0.01	0.01	0.02	0.01	0.02
16	0.02	0.00	0.01	0.02	0.00	0.02
17	0.17	0.01	0.01	0.02	0.01	0.05
18	0.02	0.01	0.01	0.02	0.01	0.04
19	0.05	0.01	0.00	0.01	0.00	0.02
20	0.03	0.01	0.00	0.02	0.01	0.04
21	0.01	0.00	0.01	0.02	0.01	0.01
22	0.04	0.00	0.00	0.01	0.00	0.02
23	0.11	0.01	0.01	0.02	0.02	0.08
24	0.09	0.03	0.01	0.02	0.02	0.03
25	0.03	0.00	0.00	0.01	0.00	0.02
26	0.04	0.02	0.00	0.02	0.02	0.03
27	0.19	0.07	0.02	0.03	0.06	0.10
28	0.02	0.00	0.00	0.01	0.00	0.01
29	0.10	0.03	0.00	0.02	0.03	0.06
30	0.09	0.01	0.01	0.02	0.02	0.04
31	0.13	0.02	0.01	0.03	0.02	0.06
32	0.05	0.00	0.00	0.01	0.00	0.02
33	0.03	0.00	0.00	0.02	0.01	0.02
34	0.09	0.01	0.01	0.02	0.01	0.03
35	0.12	0.01	0.01	0.02	0.00	0.02
36	0.04	0.00	0.01	0.01	0.01	0.01
37	0.09	0.01	0.00	0.02	0.01	0.01
38	0.04	0.01	0.01	0.02	0.02	0.03
39	0.01	0.00	0.00	0.01	0.00	0.01
40	0.02	0.01	0.01	0.02	0.00	0.02
41	0.02	0.01	0.00	0.02	0.01	0.02
42	0.04	0.01	0.00	0.01	0.02	0.04
43	0.42	0.09	0.00	0.01	0.05	0.04
44	0.12	0.02	0.01	0.02	0.01	0.02
45	0.07	0.02	0.00	0.03	0.01	0.03

B. Summary of variable results: For each variable, fraction of sites with a problem

	n	z	d	r	l	i
nrace1	0.04	0.04	0.00	0.00	0.00	0.07
nrace2	0.04	0.00	0.00	0.00	0.00	0.02
nrace3	0.04	0.00	0.00	0.00	0.00	0.04
nrace4	0.04	0.00	0.00	0.00	0.00	0.02
nrace5	0.04	0.02	0.00	0.00	0.00	0.02
nrace6	0.04	0.00	0.00	0.00	0.00	0.07
nrace7	0.04	0.00	0.00	0.00	0.00	0.04
nrace8	0.02	0.00	0.00	0.00	0.00	0.00
age	0.00	0.00	0.00	0.00	0.00	0.00
susa1	0.02	0.00	0.00	0.04	0.00	0.00
susa2	0.04	0.02	0.00	0.00	0.02	0.00
susa3	0.00	0.02	0.04	0.11	0.07	0.07
susa4	0.07	0.04	0.00	0.00	0.02	0.02
susa5	0.07	0.02	0.00	0.02	0.00	0.00
susa5a	0.00	0.07	0.00	0.27	0.13	0.11
susa14d	0.76	0.00	0.00	0.00	0.02	0.02
susa15d	0.53	0.02	0.00	0.02	0.11	0.09
susa18d	0.73	0.00	0.00	0.00	0.04	0.04
susa21d	0.36	0.04	0.00	0.04	0.07	0.09
totadu	0.02	0.00	0.00	0.00	0.00	0.00
totchi l d	0.02	0.00	0.00	0.00	0.00	0.00
relati on	0.00	0.00	0.00	0.00	0.00	0.00
custody	0.00	0.00	0.00	0.00	0.00	0.00
ref1	0.00	0.00	0.00	0.00	0.00	0.00
diqu ntv	0.00	0.00	0.00	0.00	0.00	0.00
diqu ang	0.00	0.00	0.00	0.00	0.00	0.00
sex	0.00	0.00	0.00	0.00	0.00	0.00
ref2	0.00	0.00	0.00	0.00	0.00	0.00
curserv	0.00	0.00	0.00	0.00	0.00	0.00
srvoutp	0.00	0.00	0.00	0.00	0.00	0.00
srvschol	0.00	0.00	0.00	0.00	0.00	0.00
srvdytr	0.00	0.00	0.00	0.02	0.00	0.02
srvrtci h	0.00	0.00	0.00	0.02	0.00	0.00
srval ch	0.00	0.00	0.00	0.00	0.00	0.00
psych	0.00	0.02	0.00	0.00	0.02	0.04
pabuse	0.00	0.00	0.00	0.00	0.00	0.00
sabuse	0.00	0.00	0.00	0.00	0.00	0.00
run	0.00	0.00	0.00	0.00	0.00	0.00
sui ci de	0.00	0.00	0.00	0.00	0.00	0.02
drug	0.00	0.00	0.00	0.00	0.00	0.00
sexabus	0.00	0.00	0.00	0.00	0.00	0.00
famvi l	0.00	0.00	0.00	0.00	0.00	0.00
fami l l	0.00	0.00	0.00	0.00	0.00	0.00
pscyhchp	0.00	0.00	0.00	0.00	0.00	0.00
pfel ony	0.00	0.00	0.00	0.00	0.00	0.00
famabu	0.00	0.00	0.00	0.00	0.00	0.00
parntab	0.00	0.00	0.00	0.00	0.00	0.00
respsex	0.04	0.00	0.00	0.00	0.00	0.00
li vhome	0.00	0.00	0.00	0.00	0.00	0.00
li vmon	0.02	0.00	0.00	0.02	0.04	0.00
li vdays	0.04	0.00	0.24	0.22	0.04	0.00
income	0.00	0.00	0.00	0.00	0.00	0.00
respage	0.04	0.00	0.00	0.00	0.00	0.00
medi cai d	0.00	0.00	0.00	0.00	0.00	0.00
paysrvs	0.00	0.00	0.00	0.00	0.00	0.00
chroni c	0.00	0.00	0.00	0.00	0.00	0.00
medphys	0.00	0.00	0.00	0.00	0.00	0.00
medbeh	0.00	0.00	0.00	0.00	0.00	0.00
poverty	0.00	0.00	0.00	0.00	0.00	0.00
nhi sporg	0.16	0.02	0.44	0.33	0.00	0.00
racemul t	0.00	0.00	0.00	0.00	0.00	0.00
prob1	0.02	0.00	0.00	0.00	0.00	0.00

prob2	0.02	0.00	0.00	0.00	0.00	0.00
prob3	0.02	0.00	0.00	0.00	0.00	0.02
prob4	0.02	0.00	0.00	0.00	0.00	0.00
prob5	0.02	0.00	0.00	0.00	0.00	0.00
prob6	0.02	0.00	0.00	0.00	0.00	0.00
prob7	0.02	0.00	0.00	0.00	0.00	0.04
prob8	0.02	0.00	0.00	0.00	0.00	0.02
prob9	0.02	0.00	0.00	0.02	0.00	0.00
prob10	0.02	0.00	0.00	0.00	0.00	0.00
prob11	0.02	0.00	0.00	0.00	0.00	0.00
prob12	0.02	0.02	0.00	0.02	0.00	0.00
prob13	0.02	0.00	0.00	0.00	0.00	0.00
prob14	0.02	0.00	0.00	0.00	0.00	0.00
prob15	0.02	0.02	0.00	0.00	0.02	0.07
prob16	0.02	0.00	0.00	0.00	0.00	0.00
prob17	0.02	0.00	0.00	0.00	0.00	0.02
prob18	0.02	0.00	0.00	0.00	0.00	0.00
prob19	0.02	0.02	0.00	0.00	0.02	0.02
prob20	0.02	0.00	0.00	0.00	0.00	0.00
prob21	0.02	0.00	0.00	0.02	0.00	0.02
prob22	0.02	0.00	0.00	0.02	0.00	0.00
prob23	0.02	0.00	0.00	0.00	0.00	0.00
prob24	0.02	0.02	0.00	0.00	0.00	0.00
prob25	0.02	0.00	0.00	0.00	0.00	0.02
prob26	0.02	0.00	0.00	0.00	0.00	0.02
prob27	0.02	0.00	0.00	0.00	0.00	0.00
prob28	0.02	0.00	0.00	0.00	0.00	0.02
prob29	0.02	0.00	0.00	0.02	0.00	0.02
prob30	0.02	0.00	0.00	0.00	0.00	0.00
prob31	0.02	0.02	0.00	0.00	0.00	0.00
prob32	0.02	0.00	0.00	0.00	0.00	0.00
prob33	0.02	0.02	0.00	0.00	0.00	0.00
probnum	0.07	0.00	0.00	0.04	0.00	0.02
cafl ang	0.07	0.00	0.00	0.02	0.00	0.13
brresp	0.04	0.00	0.00	0.00	0.00	0.04
brl ang	0.04	0.00	0.00	0.02	0.00	0.02
berist	0.04	0.00	0.00	0.02	0.00	0.00
berfi t	0.04	0.00	0.02	0.02	0.00	0.00
berist	0.04	0.00	0.02	0.02	0.00	0.00
bersft	0.07	0.00	0.00	0.00	0.00	0.00
berast	0.04	0.00	0.02	0.02	0.00	0.00
bersraw	0.04	0.00	0.02	0.02	0.00	0.00
cbcrep	0.13	0.00	0.00	0.00	0.00	0.04
cbci ntv	0.07	0.04	0.00	0.00	0.00	0.00
cbcmeth	0.09	0.00	0.00	0.02	0.00	0.13
cbcl ang	0.11	0.00	0.00	0.00	0.00	0.09
cage	0.04	0.00	0.00	0.00	0.00	0.00
cacti vr	0.11	0.00	0.00	0.00	0.00	0.00
csoci ar	0.11	0.00	0.00	0.00	0.00	0.00
cschol r	0.11	0.00	0.00	0.00	0.00	0.00
ctotcomr	0.11	0.00	0.02	0.04	0.00	0.02
wi thdr	0.07	0.00	0.00	0.00	0.00	0.00
somcomr	0.07	0.00	0.02	0.02	0.00	0.00
anxdepr	0.07	0.00	0.00	0.00	0.00	0.00
socpror	0.07	0.00	0.00	0.02	0.00	0.00
thopror	0.07	0.00	0.02	0.02	0.00	0.00
attpror	0.07	0.00	0.00	0.00	0.00	0.00
del behr	0.07	0.00	0.00	0.00	0.00	0.00
aggbehr	0.07	0.00	0.00	0.00	0.00	0.00
sexpror	0.13	0.02	0.02	0.02	0.00	0.00
ctotraw	0.07	0.00	0.00	0.00	0.00	0.00
ci ntraw	0.07	0.00	0.00	0.02	0.00	0.00
cextraw	0.07	0.00	0.00	0.00	0.00	0.00
susi ntv	0.02	0.40	0.09	0.27	0.29	0.00

susmeth	0.02	0.00	0.00	0.00	0.00	0.24
susl ang	0.02	0.00	0.00	0.02	0.00	0.09
susa6	0.02	0.00	0.00	0.02	0.00	0.00
susa7	0.04	0.00	0.00	0.00	0.00	0.00
susa8	0.07	0.00	0.00	0.00	0.00	0.00
susa9	0.00	0.04	0.02	0.07	0.07	0.02
susa10a	0.02	0.02	0.00	0.02	0.00	0.00
susa10b	0.07	0.00	0.00	0.02	0.00	0.00
susa10c	0.07	0.02	0.00	0.04	0.07	0.04
susa10d	0.09	0.00	0.00	0.00	0.00	0.13
susa11a	0.02	0.02	0.00	0.00	0.02	0.00
susa11b	0.20	0.00	0.02	0.04	0.02	0.00
susa11c	0.18	0.07	0.00	0.00	0.07	0.00
susa11d	0.47	0.04	0.00	0.04	0.07	0.09
susa12a	0.02	0.00	0.00	0.00	0.02	0.04
susa12b	0.31	0.00	0.00	0.00	0.02	0.02
susa12c	0.31	0.07	0.00	0.00	0.09	0.07
susa12d	0.56	0.07	0.09	0.11	0.20	0.16
susa13a	0.02	0.00	0.00	0.00	0.00	0.24
susa13b	0.60	0.02	0.00	0.02	0.02	0.07
susa13c	0.60	0.07	0.00	0.00	0.11	0.09
susa13d	0.89	0.00	0.00	0.00	0.00	0.00
susa14a	0.02	0.00	0.00	0.00	0.04	0.13
susa14b	0.42	0.02	0.00	0.07	0.04	0.02
susa14c	0.42	0.04	0.00	0.00	0.02	0.02
susa15a	0.02	0.00	0.00	0.00	0.00	0.07
susa15b	0.31	0.00	0.02	0.07	0.04	0.04
susa15c	0.31	0.00	0.00	0.00	0.04	0.04
susa16a	0.02	0.00	0.00	0.00	0.02	0.07
susa16b	0.29	0.00	0.00	0.02	0.02	0.02
susa16c	0.29	0.00	0.00	0.00	0.04	0.04
susa16d	0.38	0.09	0.00	0.00	0.13	0.11
susa17a	0.02	0.00	0.00	0.00	0.00	0.13
susa17b	0.80	0.02	0.00	0.00	0.00	0.00
susa17c	0.80	0.02	0.00	0.00	0.02	0.02
susa17d	0.98	0.00	0.00	0.00	0.00	0.00
susa18a	0.02	0.00	0.00	0.00	0.00	0.16
susa18b	0.44	0.00	0.00	0.02	0.00	0.00
susa18c	0.42	0.04	0.00	0.00	0.07	0.02
susa19a	0.02	0.00	0.00	0.00	0.00	0.16
susa19b	0.38	0.00	0.00	0.02	0.02	0.00
susa19c	0.36	0.09	0.00	0.00	0.09	0.07
susa19d	0.62	0.00	0.02	0.00	0.00	0.00
susa20a	0.02	0.00	0.00	0.00	0.00	0.07
susa20b	0.31	0.00	0.00	0.00	0.00	0.00
susa20c	0.31	0.02	0.00	0.00	0.04	0.04
susa20d	0.49	0.04	0.02	0.00	0.04	0.04
susa21a	0.02	0.00	0.00	0.00	0.00	0.07
susa21b	0.22	0.00	0.00	0.00	0.02	0.02
susa21c	0.22	0.00	0.00	0.00	0.04	0.04
susb1a	0.07	0.02	0.00	0.00	0.00	0.02
susb1b	0.13	0.07	0.00	0.00	0.07	0.00
susb2a	0.07	0.09	0.00	0.04	0.00	0.00
susb2b	0.31	0.11	0.00	0.00	0.09	0.00
susb3a	0.07	0.02	0.00	0.02	0.02	0.04
susb3b	0.20	0.00	0.00	0.00	0.00	0.00
susb4a	0.07	0.02	0.00	0.07	0.00	0.02
susb4b	0.49	0.07	0.00	0.00	0.04	0.02
susb5a	0.07	0.00	0.00	0.00	0.00	0.16
susb5b	0.42	0.13	0.00	0.00	0.20	0.13
susb6a	0.07	0.04	0.00	0.00	0.00	0.02
susb6b	0.29	0.00	0.00	0.00	0.00	0.00
susb7a	0.07	0.11	0.00	0.02	0.07	0.09
susb7b	0.44	0.04	0.00	0.00	0.04	0.04

susb8a	0.07	0.02	0.00	0.00	0.02	0.02
susb8b	0.18	0.02	0.00	0.00	0.02	0.02
susb9a	0.07	0.04	0.00	0.07	0.02	0.13
susb9b	0.49	0.09	0.00	0.00	0.07	0.07
susb10a	0.07	0.04	0.00	0.02	0.02	0.02
susb10b	0.31	0.04	0.00	0.00	0.04	0.04
susb11a	0.07	0.02	0.00	0.00	0.00	0.00
susb11b	0.24	0.07	0.00	0.00	0.07	0.02
susb12a	0.07	0.02	0.00	0.00	0.02	0.00
susb12b	0.11	0.09	0.00	0.02	0.07	0.02
susb13a	0.07	0.02	0.00	0.00	0.00	0.00
susb13b	0.16	0.07	0.00	0.00	0.04	0.00
susb14a	0.07	0.02	0.00	0.00	0.02	0.00
susb14b	0.18	0.13	0.00	0.00	0.11	0.02
susb15a	0.07	0.00	0.00	0.02	0.02	0.04
susb15b	0.24	0.04	0.00	0.00	0.00	0.00
susb16a	0.07	0.00	0.00	0.00	0.00	0.00
susb16b	0.11	0.07	0.00	0.00	0.04	0.00
susb17a	0.07	0.00	0.00	0.04	0.00	0.04
susb17b	0.24	0.02	0.00	0.00	0.07	0.07
susb18a	0.07	0.00	0.00	0.04	0.00	0.00
susb18b	0.13	0.11	0.00	0.00	0.09	0.02
susb19a	0.07	0.02	0.00	0.02	0.00	0.00
susb19b	0.13	0.09	0.00	0.00	0.09	0.04
susb20a	0.16	0.00	0.00	0.00	0.00	0.00
susb20b	0.18	0.00	0.00	0.02	0.04	0.07
susb21a	0.87	0.00	0.00	0.00	0.00	0.00
susnum	0.04	0.00	0.00	0.02	0.00	0.07
al c6	0.04	0.00	0.00	0.00	0.00	0.00
ci g6	0.07	0.00	0.00	0.00	0.00	0.00
mar6	0.07	0.00	0.00	0.02	0.07	0.04
zi pcl ass	0.02	0.00	0.00	0.00	0.00	0.00
entryear	0.00	0.02	0.00	0.00	0.00	0.00
fundi ng	0.00	0.00	0.00	0.00	0.00	0.00
yrfunded	0.00	0.02	0.00	0.00	0.00	0.00
di qeducg	0.00	0.00	0.00	0.00	0.00	0.00
srol ecat	0.07	0.00	0.00	0.00	0.00	0.00
homecat	0.07	0.00	0.00	0.00	0.00	0.00
comcat	0.07	0.00	0.02	0.02	0.00	0.00
behcat	0.07	0.00	0.04	0.02	0.00	0.00
moodcat	0.07	0.00	0.00	0.00	0.00	0.00
harmcat	0.07	0.04	0.00	0.00	0.04	0.00
subcat	0.07	0.00	0.00	0.02	0.00	0.00
thi nkcat	0.07	0.00	0.00	0.04	0.00	0.00
di qresp	0.00	0.00	0.00	0.00	0.00	0.02
di qmeth	0.00	0.00	0.00	0.00	0.00	0.00
bri ntv	0.04	0.07	0.02	0.09	0.00	0.07
brmeth	0.04	0.00	0.00	0.00	0.00	0.07
rol resp	0.00	0.04	0.00	0.00	0.00	0.07
rol i ntv	0.00	0.09	0.00	0.04	0.00	0.02
rol meth	0.00	0.02	0.00	0.00	0.00	0.13
rol lang	0.00	0.00	0.00	0.04	0.00	0.04
lvre1	0.02	0.00	0.00	0.02	0.00	0.00
eqresp	0.00	0.02	0.00	0.00	0.00	0.02
eqi ntv	0.00	0.09	0.02	0.02	0.02	0.04
eqmeth	0.00	0.00	0.00	0.00	0.00	0.11
eql ang	0.00	0.00	0.00	0.02	0.00	0.00
edu1	0.04	0.00	0.00	0.04	0.00	0.22
edu1a	0.04	0.02	0.00	0.00	0.02	0.07
edu3	0.00	0.00	0.00	0.00	0.00	0.00
edu3b	0.93	0.00	0.00	0.04	0.00	0.00
edu3c	0.91	0.04	0.00	0.00	0.07	0.02
edu4	0.04	0.00	0.00	0.00	0.02	0.00
edu4a	0.00	0.00	0.00	0.00	0.00	0.00

edu5	0.00	0.00	0.00	0.00	0.00	0.00
edu5a	0.00	0.00	0.00	0.00	0.00	0.00
edu5b	0.00	0.02	0.00	0.00	0.02	0.00
edu5c	0.00	0.02	0.00	0.00	0.00	0.00
edu6a	0.04	0.02	0.00	0.00	0.02	0.00
edu7	0.00	0.00	0.00	0.00	0.00	0.00
edu7a	0.02	0.00	0.33	0.96	0.07	0.98
edu7c	0.04	0.02	0.00	0.00	0.00	0.00
edu8	0.04	0.04	0.00	0.00	0.02	0.00
edu9	0.04	0.02	0.00	0.00	0.02	0.00
edu10	0.07	0.02	0.00	0.00	0.02	0.00
edu11	0.07	0.02	0.00	0.00	0.00	0.00
edu12	0.02	0.00	0.00	0.00	0.00	0.00
edu13	0.02	0.00	0.00	0.00	0.00	0.00
edu14	0.02	0.00	0.00	0.00	0.00	0.00
edu15	0.02	0.00	0.00	0.00	0.00	0.00
edu15a	0.02	0.02	0.02	0.16	0.04	0.16
edu15b	0.09	0.00	0.00	0.07	0.00	0.02
edu16	0.02	0.00	0.00	0.00	0.00	0.00
edu16a	0.02	0.00	0.09	0.11	0.02	0.07
edu17	0.02	0.02	0.00	0.00	0.00	0.02
edu17a	0.16	0.07	0.07	0.09	0.11	0.09
edu17b	0.18	0.07	0.00	0.00	0.04	0.04
edu18	0.09	0.00	0.00	0.09	0.00	0.11
edu19a	0.02	0.00	0.00	0.00	0.00	0.00
edu20	0.07	0.00	0.00	0.00	0.00	0.00
edu21	0.07	0.02	0.00	0.00	0.00	0.00
edu61	0.00	0.04	0.00	0.00	0.02	0.00
edu62	0.00	0.00	0.00	0.00	0.00	0.07
edu63	0.00	0.00	0.00	0.00	0.00	0.18
edu64	0.00	0.00	0.00	0.00	0.00	0.13
edu65	0.00	0.00	0.00	0.00	0.00	0.04
edu66	0.00	0.04	0.00	0.00	0.04	0.00
edu67	0.00	0.02	0.00	0.00	0.18	0.36
edu68	0.00	0.02	0.00	0.00	0.11	0.27
edu69	0.00	0.02	0.00	0.00	0.11	0.22
edu610	0.00	0.00	0.00	0.00	0.00	0.02
edu611	0.02	0.07	0.04	0.13	0.13	0.29
edu7b1	0.00	0.04	0.00	0.02	0.04	0.02
edu7b2	0.00	0.02	0.00	0.00	0.00	0.00
edu7b3	0.00	0.00	0.00	0.00	0.00	0.09
edu7b4	0.00	0.04	0.00	0.02	0.00	0.04
edu7b5	0.00	0.00	0.00	0.00	0.00	0.07
edu7b6	0.00	0.02	0.00	0.00	0.00	0.02
edu7b7	0.00	0.00	0.00	0.04	0.00	0.09
redu19	0.02	0.00	0.00	0.00	0.00	0.00
speced	0.09	0.00	0.00	0.00	0.00	0.09
ysri ntv	0.07	0.09	0.00	0.00	0.02	0.02
ysrmeth	0.07	0.00	0.00	0.00	0.00	0.38
ysrl ang	0.11	0.00	0.00	0.00	0.00	0.24
ysex	0.04	0.00	0.00	0.00	0.00	0.00
yage	0.04	0.00	0.00	0.02	0.00	0.00
yacti vr	0.11	0.00	0.00	0.00	0.00	0.00
ysoci ar	0.11	0.00	0.00	0.02	0.00	0.00
school y	0.67	0.00	0.00	0.02	0.00	0.00
ytotcomr	0.13	0.00	0.00	0.00	0.00	0.00
ysocac	0.11	0.00	0.02	0.04	0.00	0.00
ysocso	0.11	0.00	0.04	0.07	0.00	0.00
yschool	0.91	0.00	0.00	0.00	0.00	0.00
wi thdry	0.07	0.00	0.00	0.00	0.00	0.00
somcomy	0.07	0.00	0.04	0.02	0.00	0.00
anxdepy	0.07	0.00	0.00	0.00	0.00	0.02
socproy	0.07	0.00	0.00	0.00	0.00	0.00
thopro y	0.07	0.00	0.00	0.00	0.00	0.00

attproy	0.07	0.00	0.00	0.00	0.00	0.00
del behy	0.07	0.00	0.00	0.00	0.00	0.00
aggbehy	0.07	0.00	0.02	0.00	0.00	0.00
desi dry	0.11	0.00	0.02	0.02	0.00	0.00
ytotraw	0.07	0.00	0.00	0.00	0.00	0.00
yi ntraw	0.07	0.00	0.02	0.02	0.00	0.00
yextraw	0.07	0.00	0.02	0.00	0.00	0.00
resp	0.07	0.00	0.02	0.02	0.00	0.07
resp2sex	0.44	0.27	0.00	0.00	0.27	0.00
concern1	0.18	0.07	0.00	0.02	0.04	0.02
dsmsub	0.04	0.00	0.00	0.00	0.00	0.02
dsmvco	0.04	0.04	0.00	0.00	0.04	0.04
dsmoth	0.04	0.04	0.00	0.04	0.00	0.00
dsmpsy	0.04	0.02	0.00	0.00	0.02	0.04
dsmmood	0.04	0.07	0.00	0.00	0.02	0.00
dsmaut	0.04	0.04	0.00	0.00	0.00	0.09
dsmanx	0.04	0.02	0.00	0.00	0.02	0.07
dsmadj	0.04	0.00	0.00	0.04	0.00	0.00
dsmpst	0.04	0.00	0.00	0.02	0.00	0.02
dsmi mp	0.04	0.00	0.00	0.02	0.00	0.04
dsmodd	0.04	0.02	0.00	0.00	0.02	0.00
dsmadd	0.04	0.04	0.00	0.00	0.02	0.00
dsmcon	0.04	0.02	0.00	0.00	0.02	0.04
dsmdbd	0.04	0.07	0.00	0.00	0.02	0.02
dsmper	0.04	0.00	0.00	0.00	0.02	0.11
dsmmr	0.04	0.02	0.00	0.00	0.02	0.00
dsml d	0.04	0.04	0.00	0.00	0.02	0.02
axi s41	0.18	0.07	0.00	0.00	0.04	0.02
axi s42	0.18	0.07	0.00	0.00	0.02	0.00
axi s43	0.18	0.04	0.00	0.00	0.02	0.00
axi s44	0.18	0.00	0.00	0.02	0.00	0.18
axi s45	0.18	0.04	0.00	0.04	0.00	0.00
axi s46	0.18	0.09	0.00	0.04	0.04	0.02
axi s47	0.18	0.00	0.00	0.02	0.00	0.07
axi s48	0.18	0.07	0.00	0.00	0.02	0.00
axi s49	0.18	0.02	0.00	0.00	0.00	0.00
dsi ntv	0.02	0.13	0.00	0.11	0.02	0.18
dsmeth	0.02	0.00	0.00	0.00	0.00	0.24
dsl ang	0.02	0.00	0.00	0.02	0.00	0.18
ds1	0.02	0.04	0.00	0.00	0.02	0.02
ds2	0.02	0.02	0.00	0.00	0.04	0.07
ds3	0.02	0.02	0.00	0.00	0.00	0.00
ds4	0.02	0.02	0.00	0.00	0.00	0.02
ds5	0.02	0.04	0.00	0.00	0.04	0.00
ds6	0.02	0.04	0.00	0.02	0.02	0.13
ds7	0.02	0.04	0.00	0.00	0.02	0.00
ds8	0.02	0.02	0.00	0.04	0.02	0.11
ds9	0.02	0.07	0.00	0.02	0.02	0.04
ds10	0.02	0.04	0.00	0.00	0.00	0.04
ds11	0.02	0.04	0.00	0.00	0.02	0.07
ds12	0.02	0.09	0.00	0.00	0.00	0.09
ds13	0.02	0.04	0.00	0.00	0.02	0.00
ds14	0.02	0.04	0.00	0.00	0.04	0.04
ds15	0.02	0.02	0.00	0.00	0.02	0.09
ds16	0.02	0.00	0.00	0.02	0.00	0.16
ds17	0.02	0.00	0.00	0.02	0.00	0.18
ds18	0.02	0.00	0.00	0.00	0.00	0.11
ds19	0.02	0.04	0.00	0.02	0.04	0.04
ds20	0.02	0.04	0.00	0.02	0.02	0.00
ds20a	0.07	0.00	0.36	0.64	0.00	0.00
ds20b	0.07	0.00	0.00	0.07	0.00	0.00
ds21	0.02	0.04	0.00	0.02	0.04	0.02
ds21a	0.07	0.00	0.47	0.78	0.00	0.00
ds21b	0.04	0.02	0.00	0.09	0.00	0.00

ds22	0.02	0.04	0.00	0.02	0.04	0.00
ds22a	0.04	0.02	0.00	0.09	0.02	0.00
ds23	0.02	0.04	0.00	0.02	0.04	0.00
ds23a	0.07	0.00	0.60	0.80	0.00	0.00
ds23b	0.07	0.02	0.00	0.00	0.02	0.00
ds24	0.02	0.02	0.00	0.02	0.02	0.00
ds24a	0.07	0.07	0.00	0.00	0.07	0.00
ds25	0.02	0.04	0.00	0.00	0.04	0.00
ds25a	0.07	0.02	0.00	0.00	0.02	0.00

C. Sites with more than 10% of variables with a problem

n, z, d, and r represent differences between pre-imputed and imputed values. The differences should be examined for a particular site and variable to determine if the differences are reasonable (see pg. 2 for more information).

n = No observations on that variable in that site

(This means that the imputations of the variable are based primarily on data from other sites.)

"12" "13" "16" "17" "18" "26" "32" "36" "38" "40" "44" "52" "53"

z = All observations in site had same value and imp diff > .05

"12"

d = The absolute value of difference in means > 2"

character(0)

r = Ratio of variables pre and post < .5 or > 2"

character(0)

l = Comparing imputations: difference in means > 2"

character(0)

i = Comparing imputations: ratio of variances < .5 or > 2"

character(0)

D. Variables with more than 10% of sites with a particular problem

n, z, d, and r represent differences between pre-imputed and imputed values. The differences should be examined for a particular site and variable to determine if the differences are reasonable (see pg. 2 for more information).

n = no obs on that var in that site

(This means that the imputations of the variable are based primarily on data from other sites.)

[1] "susa14d" "susa15d" "susa18d" "susa21d" "nhi sporg" "cbcrep"
 [7] "cbcl ang" "cacti vr" "csoci ar" "cschol r" "ctotcomr" "sexpror"
 [13] "susa11b" "susa11c" "susa11d" "susa12b" "susa12c" "susa12d"
 [19] "susa13b" "susa13c" "susa13d" "susa14b" "susa14c" "susa15b"
 [25] "susa15c" "susa16b" "susa16c" "susa16d" "susa17b" "susa17c"
 [31] "susa17d" "susa18b" "susa18c" "susa19b" "susa19c" "susa19d"
 [37] "susa20b" "susa20c" "susa20d" "susa21b" "susa21c" "sub1b"
 [43] "sub2b" "sub3b" "sub4b" "sub5b" "sub6b" "sub7b"
 [49] "sub8b" "sub9b" "sub10b" "sub11b" "sub12b" "sub13b"
 [55] "sub14b" "sub15b" "sub16b" "sub17b" "sub18b" "sub19b"
 [61] "sub20a" "sub20b" "sub21a" "edu3b" "edu3c" "edu17a"
 [67] "edu17b" "ysrl ang" "yacti vr" "ysoci ar" "school y" "ytotcomr"
 [73] "ysocac" "ysocso" "yschool" "desi dry" "resp2sex" "concern1"
 [79] "axi s41" "axi s42" "axi s43" "axi s44" "axi s45" "axi s46"

[85] "axi s47" "axi s48" "axi s49"

Z = all observations in site had same value and imp diff > .05

"susi ntv" "susb2b" "susb5b" "susb7a" "susb14b" "susb18b" "resp2sex"
"dsi ntv"

D = absolute value of difference in means > 2

"li vdays" "nhi sporg" "edu7a" "ds20a" "ds21a" "ds23a"

r = ratio of variables pre and post < .5 or > 2

[1] "susa3" "susa5a" "li vdays" "nhi sporg" "susi ntv" "susa12d"
[7] "edu7a" "edu15a" "edu16a" "edu611" "dsi ntv" "ds20a"
[13] "ds21a" "ds23a"

I = Comparing imputations: difference in means > 2

[1] "susa5a" "susa15d" "susi ntv" "susa12d" "susa13c" "susa16d"
[7] "susb5b" "susb14b" "edu17a" "edu67" "edu68" "edu69"
[13] "edu611" "resp2sex"

I = Comparing imputations: ratio of variances < .5 or > 2

[1] "susa5a" "cafl ang" "cbcmeth" "susmeth" "susa10d" "susa12d" "susa13a"
[8] "susa14a" "susa16d" "susa17a" "susa18a" "susa19a" "susb5a" "susb5b"
[15] "susb9a" "a1_r1_s" "rol meth" "eqmeth" "edu1" "edu7a" "edu15a"
[22] "edu18" "edu63" "edu64" "edu67" "edu68" "edu69" "edu611"
[29] "ysrmeth" "ysrl ang" "dsmper" "axi s44" "dsi ntv" "dsmeth" "dsl ang"
[36] "ds6" "ds8" "ds16" "ds17" "ds18"