

# WHIMS Coordinating Center Document

Created: May 4, 2010

Dataset Name: mri1\_totalvol

Description: WHIMS MRI1 TOTAL  
VOLUME

Structure: one row per participant

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Variable #: 1  
SAS name: mri\_dy  
SAS label: Days to MRI  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2922.94	220.91	2350.00	3726.00

Variable #: 2  
SAS name: medial\_front\_orbital\_gyrus\_right  
SAS label: medial front orbital gyrus right  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.26	0.44	0.70	4.40

Variable #: 3

SAS name: middle\_frontal\_gyrus\_right  
SAS label: middle frontal gyrus right  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	14.01	2.43	5.50	22.20

Variable #: 4  
SAS name: lateral\_ventricle\_left  
SAS label: lateral ventricle left  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	20.00	8.89	3.80	86.10

Variable #: 5  
SAS name: insula\_right  
SAS label: insula right  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	6.01	1.11	2.00	12.50

Variable #: 6  
SAS name: precentral\_gyrus\_right  
SAS label: precentral gyrus right  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	10.34	1.76	5.80	19.10

Variable #: 7  
SAS name: lateral\_front\_orbital\_gyrus\_rt  
SAS label: lateral front orbital gyrus right  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	8.46	1.10	4.30	13.50

Variable #: 8  
SAS name: cingulate\_region\_right  
SAS label: cingulate region right  
Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	7.81	1.44	2.70	15.80

Variable #: 9

SAS name: lateral\_ventricle\_right

SAS label: lateral ventricle right

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	17.11	7.74	3.20	64.80

Variable #: 10

SAS name: medial\_frontal\_gyrus\_left

SAS label: medial frontal gyrus left

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	8.67	1.54	3.20	16.20

Variable #: 11

SAS name: superior\_frontal\_gyrus\_right

SAS label: superior frontal gyrus right

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	6.72	1.63	2.40	12.70

Variable #: 12

SAS name: globus\_palladus\_right

SAS label: globus palladus right

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.04	0.21	0.40	2.10

Variable #: 13

SAS name: globus\_palladus\_left

SAS label: globus palladus left

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.85	0.19	0.20	1.70

Variable #: 14  
 SAS name: putamen\_left  
 SAS label: putamen left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.44	0.59	1.20	5.90

Variable #: 15  
 SAS name: inferior\_frontal\_gyrus\_left  
 SAS label: inferior frontal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	9.64	1.69	3.80	17.10

Variable #: 16  
 SAS name: putamen\_right  
 SAS label: putamen right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.48	0.49	1.90	5.80

Variable #: 17  
 SAS name: frontal\_lobe\_WM\_right  
 SAS label: frontal lobe WM right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	82.40	11.93	42.00	130.20

Variable #: 18  
 SAS name: parahippocampal\_gyrus\_left  
 SAS label: parahippocampal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.31	0.21	0.40	2.10

Variable #: 19  
 SAS name: angular\_gyrus\_right  
 SAS label: angular gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	7.31	1.73	1.70	13.50

Variable #: 20  
 SAS name: temporal\_pole\_right  
 SAS label: temporal pole right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.75	0.60	0.70	5.40

Variable #: 21  
 SAS name: subthalamic\_nucleus\_right  
 SAS label: subthalamic nucleus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.09	0.03	0.00	0.20

Variable #: 22  
 SAS name: nucleus\_accumbens\_right  
 SAS label: nucleus accumbens right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.41	0.10	0.20	0.80

Variable #: 23  
 SAS name: uncus\_right  
 SAS label: uncus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.62	0.12	0.20	1.30

Variable #: 24  
 SAS name: cingulate\_region\_left  
 SAS label: cingulate region left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	9.45	1.58	5.10	17.00

Variable #: 25  
 SAS name: fornix\_left  
 SAS label: fornix left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.32	0.09	0.00	0.60

Variable #: 26  
 SAS name: frontal\_lobe\_WM\_left  
 SAS label: frontal lobe WM left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	79.70	11.32	42.40	127.30

Variable #: 27  
 SAS name: precuneus\_right  
 SAS label: precuneus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.81	0.47	0.50	4.50

Variable #: 28  
 SAS name: subthalamic\_nucleus\_left  
 SAS label: subthalamic nucleus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.08	0.04	0.00	0.20

Variable #: 29

SAS name: pst\_lmb\_int\_cap\_cere\_pedunc\_lt

SAS label: posterior limb of internal capsule inc cerebral peduncle left

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.76	0.28	0.80	3.40

Variable #: 30

SAS name: pst\_lmb\_int\_cap\_cere\_pedunc\_rt

SAS label: posterior limb of internal capsule inc cerebral peduncle right

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.84	0.30	0.60	3.20

Variable #: 31

SAS name: hippocampal\_formation\_right

SAS label: hippocampal formation right

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.69	0.57	0.30	4.60

Variable #: 32

SAS name: inferior\_occipital\_gyrus\_left

SAS label: inferior occipital gyrus left

Categories: MRI

Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.93	0.77	1.20	5.80

Variable #: 33

SAS name: superior\_occipital\_gyrus\_right

SAS label: superior occipital gyrus right

Categories: MRI

Usage Notes: none



N	mean	stddeviation	minimum	maximum
1403	4.36	0.90	1.70	7.50

Variable #: 34  
 SAS name: caudate\_nucleus\_left  
 SAS label: caudate nucleus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.30	0.53	1.20	6.10

Variable #: 35  
 SAS name: supramarginal\_gyrus\_left  
 SAS label: supramarginal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	4.46	1.18	1.60	9.20

Variable #: 36  
 SAS name: ant\_lmb\_of\_int\_cap\_lt  
 SAS label: anterior limb of internal capsule left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.78	0.85	0.40	6.20

Variable #: 37  
 SAS name: occipital\_lobe\_WM\_right  
 SAS label: occipital lobe WM right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	24.03	4.46	5.30	51.10

Variable #: 38  
 SAS name: middle\_frontal\_gyrus\_left  
 SAS label: middle frontal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	14.46	2.73	5.40	25.20

Variable #: 39  
 SAS name: superior\_parietal\_lobule\_left  
 SAS label: superior parietal lobule left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	10.90	2.32	2.00	18.10

Variable #: 40  
 SAS name: caudate\_nucleus\_right  
 SAS label: caudate nucleus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.91	0.46	0.80	4.70

Variable #: 41  
 SAS name: cuneus\_left  
 SAS label: cuneus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.20	0.59	0.80	6.30

Variable #: 42  
 SAS name: precuneus\_left  
 SAS label: precuneus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.74	0.43	0.50	3.50

Variable #: 43  
 SAS name: parietal\_lobe\_WM\_left  
 SAS label: parietal lobe WM left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	46.80	6.95	25.30	71.70

Variable #: 44  
SAS name: temporal\_lobe\_WM\_right  
SAS label: temporal lobe WM right  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	47.90	6.56	28.50	77.10

Variable #: 45  
SAS name: supramarginal\_gyrus\_right  
SAS label: supramarginal gyrus right  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.82	0.66	0.70	5.10

Variable #: 46  
SAS name: superior\_temporal\_gyrus\_left  
SAS label: superior temporal gyrus left  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	11.87	1.95	3.90	20.80

Variable #: 47  
SAS name: uncus\_left  
SAS label: uncus left  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.82	0.15	0.20	1.40

Variable #: 48  
SAS name: middle\_occipital\_gyrus\_right  
SAS label: middle occipital gyrus right  
Categories: MRI  
Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.84	0.94	1.20	7.70

Variable #: 49  
 SAS name: middle\_temporal\_gyrus\_left  
 SAS label: middle temporal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	12.02	2.14	4.90	19.90

Variable #: 50  
 SAS name: lingual\_gyrus\_left  
 SAS label: lingual gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.24	0.53	0.80	5.30

Variable #: 51  
 SAS name: superior\_frontal\_gyrus\_left  
 SAS label: superior frontal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	6.82	1.82	2.10	12.40

Variable #: 52  
 SAS name: nucleus\_accumbens\_left  
 SAS label: nucleus accumbens left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.32	0.08	0.10	0.60

Variable #: 53  
 SAS name: occipital\_lobe\_WM\_left  
 SAS label: occipital lobe WM left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	23.91	4.62	1.30	51.10

Variable #: 54  
 SAS name: postcentral\_gyrus\_left  
 SAS label: postcentral gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	9.81	1.65	4.00	16.30

Variable #: 55  
 SAS name: inferior\_frontal\_gyrus\_right  
 SAS label: inferior frontal gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	8.42	1.57	2.40	14.00

Variable #: 56  
 SAS name: precentral\_gyrus\_left  
 SAS label: precentral gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	8.87	1.50	4.50	16.90

Variable #: 57  
 SAS name: temporal\_lobe\_WM\_left  
 SAS label: temporal lobe WM left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	47.90	6.49	28.30	72.80

Variable #: 58  
 SAS name: medial\_front\_orbital\_gyrus\_left  
 SAS label: medial front orbital gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.78	0.39	0.50	3.80

Variable #: 59  
 SAS name: perirhinal\_cortex\_right  
 SAS label: perirhinal cortex right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.03	0.25	0.30	2.10

Variable #: 60  
 SAS name: superior\_parietal\_lobule\_right  
 SAS label: superior parietal lobule right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	11.15	2.34	3.00	18.90

Variable #: 61  
 SAS name: lateral\_front\_orbital\_gyrus\_left  
 SAS label: lateral front orbital gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	8.27	1.11	3.50	13.60

Variable #: 62  
 SAS name: perirhinal\_cortex\_left  
 SAS label: perirhinal cortex left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.33	0.37	0.40	3.70

Variable #: 63  
 SAS name: inferior\_temporal\_gyrus\_left  
 SAS label: inferior temporal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	6.69	1.18	3.20	11.80

Variable #: 64  
 SAS name: temporal\_pole\_left  
 SAS label: temporal pole left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.02	0.54	0.40	5.90

Variable #: 65  
 SAS name: entorhinal\_cortex\_left  
 SAS label: entorhinal cortex left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.73	0.18	0.20	1.40

Variable #: 66  
 SAS name: inferior\_occipital\_gyrus\_right  
 SAS label: inferior occipital gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.14	0.35	0.20	2.70

Variable #: 67  
 SAS name: superior\_occipital\_gyrus\_left  
 SAS label: superior occipital gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.72	0.86	1.30	7.20

Variable #: 68  
 SAS name: lat\_occtemp\_gyrus\_rt  
 SAS label: lateral occipitotemporal gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	6.95	1.11	2.20	11.00

Variable #: 69  
 SAS name: entorhinal\_cortex\_right  
 SAS label: entorhinal cortex right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.21	0.25	0.40	2.30

Variable #: 70  
 SAS name: hippocampal\_formation\_left  
 SAS label: hippocampal formation left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.04	0.56	0.40	5.20

Variable #: 71  
 SAS name: thalamus\_left  
 SAS label: thalamus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.68	1.09	1.70	7.80

Variable #: 72  
 SAS name: parietal\_lobe\_WM\_right  
 SAS label: parietal lobe WM right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	41.85	6.22	20.90	65.60

Variable #: 73  
 SAS name: insula\_left  
 SAS label: insula left  
 Categories: MRI  
 Usage Notes: none



N	mean	stddeviation	minimum	maximum
1403	5.95	1.30	1.00	10.90

Variable #: 74  
 SAS name: postcentral\_gyrus\_right  
 SAS label: postcentral gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	6.94	1.27	2.60	13.00

Variable #: 75  
 SAS name: lingual\_gyrus\_right  
 SAS label: lingual gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.25	0.55	0.80	8.10

Variable #: 76  
 SAS name: medial\_frontal\_gyrus\_right  
 SAS label: medial frontal gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	9.63	1.60	3.50	16.70

Variable #: 77  
 SAS name: amygdala\_left  
 SAS label: amygdala left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.59	0.14	0.10	1.20

Variable #: 78  
 SAS name: med\_occtempl\_gyrus\_lt  
 SAS label: medial occipitotemporal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	4.89	0.93	1.90	9.30

Variable #: 79  
 SAS name: parahippocampal\_gyrus\_right  
 SAS label: parahippocampal gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.68	0.25	0.90	3.10

Variable #: 80  
 SAS name: ant\_lmb\_int\_cap\_rt  
 SAS label: anterior limb of internal capsule right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.15	0.75	0.30	6.30

Variable #: 81  
 SAS name: middle\_temporal\_gyrus\_right  
 SAS label: middle temporal gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	16.77	2.78	5.10	25.90

Variable #: 82  
 SAS name: ccipital\_pole\_right  
 SAS label: ccipital pole right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.31	0.52	0.60	5.20

Variable #: 83  
 SAS name: corpus\_callosum  
 SAS label: corpus callosum  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	9.16	1.31	2.70	13.20

Variable #: 84  
 SAS name: amygdala\_right  
 SAS label: amygdala right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1.29	0.34	0.10	3.40

Variable #: 85  
 SAS name: inferior\_temporal\_gyrus\_right  
 SAS label: inferior temporal gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	5.71	0.96	2.30	9.70

Variable #: 86  
 SAS name: superior\_temporal\_gyrus\_right  
 SAS label: superior temporal gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	10.46	1.85	3.30	16.90

Variable #: 87  
 SAS name: middle\_occipital\_gyrus\_left  
 SAS label: middle occipital gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	3.12	0.91	0.90	6.70

Variable #: 88  
 SAS name: angular\_gyrus\_left  
 SAS label: angular gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	5.29	1.41	1.10	10.90

Variable #: 89  
 SAS name: med\_occtemp\_gyrus\_rt  
 SAS label: medial occipitotemporal gyrus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	5.21	0.91	2.30	8.60

Variable #: 90  
 SAS name: cuneus\_right  
 SAS label: cuneus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.51	0.64	1.00	5.90

Variable #: 91  
 SAS name: lat\_occtemp\_gyrus\_lt  
 SAS label: lateral occipitotemporal gyrus left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	8.19	1.35	3.20	12.80

Variable #: 92  
 SAS name: thalamus\_right  
 SAS label: thalamus right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	5.17	0.82	3.10	8.40

Variable #: 93  
 SAS name: occipital\_pole\_left  
 SAS label: occipital pole left  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	2.33	0.62	1.10	6.30

Variable #: 94  
 SAS name: fornix\_right  
 SAS label: fornix right  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	0.20	0.06	0.00	0.40

Variable #: 95  
 SAS name: icv  
 SAS label: Total Brain Volume  
 Categories: MRI  
 Usage Notes: none

N	mean	stddeviation	minimum	maximum
1403	1089.86	100.40	632.57	1415.12

Variable #: 96  
 SAS name: id  
 SAS label: Participant ID  
 Categories: MRI  
 Usage Notes: none