

# The SAS System

## The CONTENTS Procedure

<b>Data Set Name</b>	PUB.V305PUB	<b>Observations</b>	1629
<b>Member Type</b>	DATA	<b>Variables</b>	281
<b>Engine</b>	V9	<b>Indexes</b>	0
<b>Created</b>	06/05/2017 16:39:01	<b>Observation Length</b>	2448
<b>Last Modified</b>	06/05/2017 16:39:01	<b>Deleted Observations</b>	0
<b>Protection</b>		<b>Compressed</b>	NO
<b>Data Set Type</b>		<b>Sorted</b>	NO
<b>Label</b>			
<b>Data Representation</b>	WINDOWS_32		
<b>Encoding</b>	wlatin1 Western (Windows)		

<b>Engine/Host Dependent Information</b>	
<b>Data Set Page Size</b>	196608
<b>Number of Data Set Pages</b>	21
<b>First Data Page</b>	1
<b>Max Obs per Page</b>	80
<b>Obs in First Data Page</b>	61
<b>Number of Data Set Repairs</b>	0
<b>ExtendObsCounter</b>	YES
<b>Filename</b>	P:\VVV\Public Datasets\v305pub.sas7bdat
<b>Release Created</b>	9.0401M2
<b>Host Created</b>	W32_7PRO

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
1	blind_id	Num	8			A1. <created var> Blinded ID
2	visit	Char	4	\$4.	\$4.	<created var> Study visit
3	itemcode	Char	15	\$15.	\$15.	<created var> Indicator of: acquisition, sonographer, reader, and timing of reading
4	age_echo_d	Num	8			A4. <created var> Age at date of echo, yr
5	ACCEPTABLE	Num	8	YN.	3.	A6. Acceptable for analysis
6	UNACCEPT	Char	200	\$200.	\$200.	A6a. Reason not acceptable
7	IMGQUAL	Num	8	QUALITY.	3.	A7. Image quality
8	HT_ECHO	Num	8	6.1	6.1	B1. Height at echocardiogram, cm
9	haz	Num	8			B1. <created var> Height for age z-score (CDC)
10	WT_ECHO	Num	8	7.2	7.2	B2. Weight at echocardiogram, kg
11	waz	Num	8			B2. <created var> Weight for age z-score (CDC)
12	BSA	Num	8	5.2	5.2	B3. Body surface area, m2
13	bsa_z	Num	8			B3. <created var> Body surface area for age z-score
14	bmi_z	Num	8			B3. <created var> BMI for age z-score (CDC)
15	SBP	Num	8	4.	4.	B4a. Systolic blood pressure, mmHg
16	DBP	Num	8	4.	4.	B4b. Diastolic blood pressure, mmHg
17	MBP	Num	8	4.	4.	B4c. Mean blood pressure, mmHg
18	sbp_z	Num	8			B4a. <created var> Systolic blood pressure for age z-score
19	dbp_z	Num	8			B4b. <created var> Diastolic blood pressure for age z-score
20	mbp_z	Num	8			B4c. <created var> Mean blood pressure for age z-score
21	CABNCYC	Num	8	3.	3.	C0. Regional wall motion abnormalities or septal flattening present?
22	cmmedsad_avg	Num	8			C1. <created var> Average of 3 beats, LV function: End-diastolic short axis dimension, cm (m-mode)
23	cmmedsad_z	Num	8			C1. <created var> LV end-diastolic short axis dimension for BSA z-score (m-mode)
24	CMMEDSAD1	Num	8	6.2	6.2	C1a. End-diastolic SAX dimension, cm (m-mode): Beat 1
25	CMMEDSAD2	Num	8	6.2	6.2	C1b. End-diastolic SAX dimension, cm (m-mode): Beat 2
26	CMMEDSAD3	Num	8	6.2	6.2	C1c. End-diastolic SAX dimension, cm (m-mode): Beat 3
27	cmmessad_avg	Num	8			C2. <created var> Average of 3 beats, LV function: End-systolic short axis dimension, cm (m-mode)
28	cmmessad_z	Num	8			C2. <created var> LV end-systolic short axis dimension for BSA z-score (m-mode)
29	CMMESSAD1	Num	8	6.2	6.2	C2a. End-systolic SAX dimension, cm (m-mode): Beat 1
30	CMMESSAD2	Num	8	6.2	6.2	C2b. End-systolic SAX dimension, cm (m-mode): Beat 2

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
31	CMMESSAD3	Num	8	6.2	6.2	C2c. End-systolic SAX dimension, cm (m-mode): Beat 3
32	cmmedst_avg	Num	8			C3. <created var> Average of 3 beats, LV function: End-diastolic septal thickness, cm (m-mode)
33	cmmedst_z	Num	8			C3. <created var> LV end-diastolic septal thickness for BSA z-score (m-mode)
34	CMMEDST1	Num	8	5.2	5.2	C3a. End-diastolic septal thickness, cm (m-mode): Beat 1
35	CMMEDST2	Num	8	5.2	5.2	C3b. End-diastolic septal thickness, cm (m-mode): Beat 2
36	CMMEDST3	Num	8	5.2	5.2	C3c. End-diastolic septal thickness, cm (m-mode): Beat 3
37	cmmesst_avg	Num	8			C4. <created var> Average of 3 beats LV function: End-systolic septal thickness, cm (m-mode)
38	cmmesst_z	Num	8			C4. <created var> LV end-systolic septal thickness for BSA z-score (m-mode)
39	CMMESST1	Num	8	5.2	5.2	C4a. End-systolic septal thickness, cm (m-mode): Beat 1
40	CMMESST2	Num	8	5.2	5.2	C4b. End-systolic septal thickness, cm (m-mode): Beat 2
41	CMMESST3	Num	8	5.2	5.2	C4c. End-systolic septal thickness, cm (m-mode): Beat 3
42	cmmedpwt_avg	Num	8			C5. <created var> Average of 3 beats, LV function: End-diastolic posterior wall thickness, cm (m-mode)
43	cmmedpwt_z	Num	8			C5. <created var> LV end-diastolic posterior wall thickness for BSA z-score (m-mode)
44	CMMEDPWT1	Num	8	5.2	5.2	C5a. End-diastolic wall thickness, cm (m-mode): Beat 1
45	CMMEDPWT2	Num	8	5.2	5.2	C5b. End-diastolic wall thickness, cm (m-mode): Beat 2
46	CMMEDPWT3	Num	8	5.2	5.2	C5c. End-diastolic wall thickness, cm (m-mode): Beat 3
47	cmmespwt_avg	Num	8			C6. <created var> Average of 3 beats, LV function: End-systolic wall thickness, cm (m-mode)
48	cmmespwt_z	Num	8			C6. <created var> LV end-systolic posterior wall thickness for BSA z-score (m-mode)
49	CMMESPWT1	Num	8	5.2	5.2	C6a. End-systolic wall thickness, cm (m-mode): Beat 1
50	CMMESPWT2	Num	8	5.2	5.2	C6b. End-systolic wall thickness, cm (m-mode): Beat 2
51	CMMESPWT3	Num	8	5.2	5.2	C6c. End-systolic wall thickness, cm (m-mode): Beat 3
52	c2dedsad_avg	Num	8			C7. <created var> Average of 3 beats, LV function: End-diastolic short axis dimension,cm
53	c2dedsad_z	Num	8			C7. <created var> LV end-diastolic short axis dimension for BSA z-score
54	C2DEDSAD1	Num	8	6.2	6.2	C7a. End-diastolic SAX dimension, cm: Beat 1
55	C2DEDSAD2	Num	8	6.2	6.2	C7b. End-diastolic SAX dimension, cm: Beat 2
56	C2DEDSAD3	Num	8	6.2	6.2	C7c. End-diastolic SAX dimension, cm: Beat 3
57	c2dessad_avg	Num	8			C8. <created var> Average of 3 beats, LV function: End-systolic short axis dimension, cm

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
58	c2dessad_z	Num	8			C8. <created var> LV end-systolic short axis dimension for BSA z-score
59	C2DESSAD1	Num	8	6.2	6.2	C8a. End-systolic SAX dimension, cm: Beat 1
60	C2DESSAD2	Num	8	6.2	6.2	C8b. End-systolic SAX dimension, cm: Beat 2
61	C2DESSAD3	Num	8	6.2	6.2	C8c. End-systolic SAX dimension, cm: Beat 3
62	c2dedst_avg	Num	8			C9 . <created var> Average of 3 beats, LV function: End-diastolic septal thickness, cm
63	c2dedst_z	Num	8			C9. <created var> LV end-diastolic septal thickness for BSA z-score
64	C2DEDST1	Num	8	5.2	5.2	C9a. End-diastolic septal thickness, cm: Beat 1
65	C2DEDST2	Num	8	5.2	5.2	C9b. End-diastolic septal thickness, cm: Beat 2
66	C2DEDST3	Num	8	5.2	5.2	C9c. End-diastolic septal thickness, cm: Beat 3
67	c2desst_avg	Num	8			C10. <created var> Average of 3 beats, LV function: End-systolic septal thickness, cm
68	c2desst_z	Num	8			C10. <created var> LV end-systolic septal thickness for BSA z-score
69	C2DESST1	Num	8	5.2	5.2	C10a. End-systolic septal thickness, cm: Beat 1
70	C2DESST2	Num	8	5.2	5.2	C10b. End-systolic septal thickness, cm: Beat 2
71	C2DESST3	Num	8	5.2	5.2	C10c. End-systolic septal thickness, cm: Beat 3
72	c2dedpwt_avg	Num	8			C11. <created var> Average of 3 beats, LV function: End-diastolic wall thickness, cm
73	c2dedpwt_z	Num	8			C11. <created var> LV end-diastolic posterior wall thickness for BSA z-score
74	C2DEDPWT1	Num	8	5.2	5.2	C11a. End-diastolic wall thickness, cm: Beat 1
75	C2DEDPWT2	Num	8	5.2	5.2	C11b. End-diastolic wall thickness, cm: Beat 2
76	C2DEDPWT3	Num	8	5.2	5.2	C11c. End-diastolic wall thickness, cm: Beat 3
77	c2despwt_avg	Num	8			C12. <created var> Average of 3 beats, LV function: End-systolic posterior wall thickness, cm
78	c2despwt_z	Num	8			C12. <created var> LV end-systolic posterior wall thicknes for BSA z-score
79	C2DESPWT1	Num	8	5.2	5.2	C12a. End-systolic wall thickness, cm: Beat 1
80	C2DESPWT2	Num	8	5.2	5.2	C12b. End-systolic wall thickness, cm: Beat 2
81	C2DESPWT3	Num	8	5.2	5.2	C12c. End-systolic wall thickness, cm: Beat 3
82	c2dedlad_avg	Num	8			C13. <created var> Average of 3 beats, LV function: End-diastolic 4-ch endocardial long axis dimension, cm
83	c2dedlad_z	Num	8			C13. <created var> LV end-diastolic 4-ch endocardial long axis dimension for BSA z-score
84	C2DEDLAD1	Num	8	6.2	6.2	C13a. End-diastolic 4-ch endocardial LAX dimension, cm: Beat 1
85	C2DEDLAD2	Num	8	6.2	6.2	C13b. End-diastolic 4-ch endocardial LAX dimension, cm: Beat 2
86	C2DEDLAD3	Num	8	6.2	6.2	C13c. End-diastolic 4-ch endocardial LAX dimension, cm: Beat 3

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
87	c2depd_avg	Num	8			C14. <created var> Average of 3 beats, LV function: End-diastolic 4-ch epicardial long axis dimension, cm
88	C2DEPD1	Num	8	6.2	6.2	C14a. End-diastolic 4-ch epicardial LAX dimension, cm: Beat 1
89	C2DEPD2	Num	8	6.2	6.2	C14b. End-diastolic 4-ch epicardial LAX dimension, cm: Beat 2
90	C2DEPD3	Num	8	6.2	6.2	C14c. End-diastolic 4-ch epicardial LAX dimension, cm: Beat 3
91	c2deslad_avg	Num	8			C15. <created var> Average of 3 beats, LV function: End-systolic 4-ch endocardial long axis dimension, cm
92	c2deslad_z	Num	8			C15. <created var> LV end-systolic 4-ch endocardial long axis dimension for BSA z-score
93	C2DESLAD1	Num	8	6.2	6.2	C15a. End-systolic 4-ch endocardial LAX dimension, cm: Beat 1
94	C2DESLAD2	Num	8	6.2	6.2	C15b. End-systolic 4-ch endocardial LAX dimension, cm: Beat 2
95	C2DESLAD3	Num	8	6.2	6.2	C15c. End-systolic 4-ch endocardial LAX dimension, cm: Beat 3
96	c2deden_avg	Num	8			C16. <created var> Average of 3 beats, LV function: End-diastolic short axis endocardial area, cm2
97	c2deden_z	Num	8			C16. <created var> LV end-diastolic short axis endocardial area for BSA z-score
98	C2DEDEN1	Num	8	7.2	7.2	C16a. End-diastolic SAX endocardial area, cm2: Beat 1
99	C2DEDEN2	Num	8	7.2	7.2	C16b. End-diastolic SAX endocardial area, cm2: Beat 2
100	C2DEDEN3	Num	8	7.2	7.2	C16c. End-diastolic SAX endocardial area, cm2: Beat 3
101	c2dedepa_avg	Num	8			C17. <created var> Average of 3 beats, LV function: End-diastolic short axis epicardial area, cm2
102	C2DEDEPA1	Num	8	7.2	7.2	C17a. End-diastolic SAX epicardial area, cm2: Beat 1
103	C2DEDEPA2	Num	8	7.2	7.2	C17b. End-diastolic SAX epicardial area, cm2: Beat 2
104	C2DEDEPA3	Num	8	7.2	7.2	C17c. End-diastolic SAX epicardial area, cm2: Beat 3
105	c2desena_avg	Num	8			C18. <created var> Average of 3 beats, LV function: End-systolic short axis endocardial area, cm2
106	c2desena_z	Num	8			C18. <created var> LV end-systolic short axis endocardial area for BSA z-score
107	C2DESENA1	Num	8	7.2	7.2	C18a. End-systolic SAX endocardial area, cm2: Beat 1
108	C2DESENA2	Num	8	7.2	7.2	C18b. End-systolic SAX endocardial area, cm2: Beat 2
109	C2DESENA3	Num	8	7.2	7.2	C18c. End-systolic SAX endocardial area, cm2: Beat 3
110	c2ded4ena_avg	Num	8			C19. <created var> Average of 3 beats, LV function: End-diastolic 4-ch long axis endocardial area, cm2
111	C2DED4ENA1	Num	8	7.2	7.2	C19a. End-diastolic 4-ch LAX endocardial area, cm2: Beat 1
112	C2DED4ENA2	Num	8	7.2	7.2	C19b. End-diastolic 4-ch LAX endocardial area, cm2: Beat 2
113	C2DED4ENA3	Num	8	7.2	7.2	C19c. End-diastolic 4-ch LAX endocardial area, cm2: Beat 3

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
114	c2ded4epa_avg	Num	8			C20. <created var> Average of 3 beats, LV function: End-diastolic 4-ch long axis epicardial area, cm2
115	C2DED4EPA1	Num	8	7.2	7.2	C20a. End-diastolic 4-ch LAX epicardial area, cm2: Beat 1
116	C2DED4EPA2	Num	8	7.2	7.2	C20b. End-diastolic 4-ch LAX epicardial area, cm2: Beat 2
117	C2DED4EPA3	Num	8	7.2	7.2	C20c. End-diastolic 4-ch LAX epicardial area, cm2: Beat 3
118	c2des4ena_avg	Num	8			C21. <created var> Average of 3 beats, LV function: End-systolic 4-ch long axis endocardial area, cm2
119	C2DES4ENA1	Num	8	7.2	7.2	C21a. End-systolic 4-ch LAX endocardial area, cm2: Beat 1
120	C2DES4ENA2	Num	8	7.2	7.2	C21b. End-systolic 4-ch LAX endocardial area, cm2: Beat 2
121	C2DES4ENA3	Num	8	7.2	7.2	C21c. End-systolic 4-ch LAX endocardial area, cm2: Beat 3
122	c2ded2ena_avg	Num	8			C22. <created var> Average of 3 beats, LV function: End-diastolic 2-ch long axis endocardial area, cm2
123	C2DED2ENA1	Num	8	7.2	7.2	C22a. End-diastolic 2-ch LAX endocardial area, cm2: Beat 1
124	C2DED2ENA2	Num	8	7.2	7.2	C22b. End-diastolic 2-ch LAX endocardial area, cm2: Beat 2
125	C2DED2ENA3	Num	8	7.2	7.2	C22c. End-diastolic 2-ch LAX endocardial area, cm2: Beat 3
126	c2ded2epa_avg	Num	8			C23. <created var> Average of 3 beats, LV function: End-diastolic 2-ch long axis epicardial area, cm2
127	C2DED2EPA1	Num	8	7.2	7.2	C23a. End-diastolic 2-ch LAX epicardial area, cm2: Beat 1
128	C2DED2EPA2	Num	8	7.2	7.2	C23b. End-diastolic 2-ch LAX epicardial area, cm2: Beat 2
129	C2DED2EPA3	Num	8	7.2	7.2	C23c. End-diastolic 2-ch LAX epicardial area, cm2: Beat 3
130	c2des2ena_avg	Num	8			C24. <created var> Average of 3 beats, LV function: End-systolic 2-ch long axis endocardial area, cm2
131	C2DES2ENA1	Num	8	7.2	7.2	C24a. End-systolic 2-ch LAX endocardial area, cm2: Beat 1
132	C2DES2ENA2	Num	8	7.2	7.2	C24b. End-systolic 2-ch LAX endocardial area, cm2: Beat 2
133	C2DES2ENA3	Num	8	7.2	7.2	C24c. End-systolic 2-ch LAX endocardial area, cm2: Beat 3
134	cedv_avg	Num	8			C25. <created var> Average of 3 beats, LV function: End diastolic volume, ml (5/6*area*length)
135	cedv_z	Num	8			C25. <created var> LV end-diastolic volume for BSA z-score (5/6*area*length)
136	CEDV1	Num	8	7.2	7.2	C25a. EDV, ml (5/6*area*length): Beat 1
137	CEDV2	Num	8	7.2	7.2	C25b. EDV, ml (5/6*area*length): Beat 2
138	CEDV3	Num	8	7.2	7.2	C25c. EDV, ml (5/6*area*length): Beat 3
139	cesv_avg	Num	8			C26. <created var> Average of 3 beats, LV function: End systolic volume, ml (5/6*area*length)
140	cesv_z	Num	8			C26. <created var> LV end-systolic volume for BSA z-score (5/6*area*length)
141	CESV1	Num	8	7.2	7.2	C26a. ESV, ml (5/6*area*length): Beat 1

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
142	CESV2	Num	8	7.2	7.2	C26b. ESV, ml (5/6*area*length): Beat 2
143	CESV3	Num	8	7.2	7.2	C26c. ESV, ml (5/6*area*length): Beat 3
144	cventma_avg	Num	8			C27. <created var> Average of 3 beats, LV function: Ventricular mass, g (5/6*area*length)
145	cventma_z	Num	8			C27. <created var> LV mass for BSA z-score (5/6*area*length)
146	CVENTMA1	Num	8	7.2	7.2	C27a. Ventricular mass, g (5/6*area*length): Beat 1
147	CVENTMA2	Num	8	7.2	7.2	C27b. Ventricular mass, g (5/6*area*length): Beat 2
148	CVENTMA3	Num	8	7.2	7.2	C27c. Ventricular mass, g (5/6*area*length): Beat 3
149	cedvbs_avg	Num	8			C28. <created var> Average of 3 beats, LV function: End diastolic volume, ml (Biapical Simpsons)
150	CEDVBS1	Num	8	7.2	7.2	C28a. EDV, ml (Biapical Simpsons): Beat 1
151	CEDVBS2	Num	8	7.2	7.2	C28b. EDV, ml (Biapical Simpsons): Beat 2
152	CEDVBS3	Num	8	7.2	7.2	C28c. EDV, ml (Biapical Simpsons): Beat 3
153	cesvbs_avg	Num	8			C29. <created var> Average of 3 beats, LV function: End systolic volume, ml (Biapical Simpsons)
154	CESVBS1	Num	8	7.2	7.2	C29a. ESV, ml (Biapical Simpsons): Beat 1
155	CESVBS2	Num	8	7.2	7.2	C29b. ESV, ml (Biapical Simpsons): Beat 2
156	CESVBS3	Num	8	7.2	7.2	C29c. ESV, ml (Biapical Simpsons): Beat 3
157	cvntmabs_avg	Num	8			C30. <created var> Average of 3 beats, LV function: Ventricular mass, g (Biapical Simpsons)
158	CVNTMABS1	Num	8	7.2	7.2	C30a. Ventricular mass, g (Biapical Simpsons): Beat 1
159	CVNTMABS2	Num	8	7.2	7.2	C30b. Ventricular mass, g (Biapical Simpsons): Beat 2
160	CVNTMABS3	Num	8	7.2	7.2	C30c. Ventricular mass, g (Biapical Simpsons): Beat 3
161	cedvms_avg	Num	8			C31. <created var> Average of 3 beats, LV function: End-diastolic volume, ml (Modified Simpsons)
162	CEDVMS1	Num	8	7.2	7.2	C31a. EDV, ml (Modified Simpsons): Beat 1
163	CEDVMS2	Num	8	7.2	7.2	C31b. EDV, ml (Modified Simpsons): Beat 2
164	CEDVMS3	Num	8	7.2	7.2	C31c. EDV, ml (Modified Simpsons): Beat 3
165	cesvms_avg	Num	8			C32. <created var> Average of 3 beats, LV function: End systolic volume, ml (Modified Simpsons)
166	CESVMS1	Num	8	7.2	7.2	C32a. ESV, ml (Modified Simpsons): Beat 1
167	CESVMS2	Num	8	7.2	7.2	C32b. ESV, ml (Modified Simpsons): Beat 2
168	CESVMS3	Num	8	7.2	7.2	C32c. ESV, ml (Modified Simpsons): Beat 3
169	cvntmams_avg	Num	8			C33. <created var> Average of 3 beats, LV function: Ventricular mass, g (Modified Simpsons)
170	CVNTMAMS1	Num	8	7.2	7.2	C33a. Ventricular mass, g (Modified Simpsons): Beat 1

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
171	CVNTMAMS2	Num	8	7.2	7.2	C33b. Ventricular mass, g (Modified Simpsons): Beat 2
172	CVNTMAMS3	Num	8	7.2	7.2	C33c. Ventricular mass, g (Modified Simpsons): Beat 3
173	cvntmamm_avg	Num	8			C34. <created var> Average of 3 beats, LV function: Ventricular mass, g (m-mode)
174	cvntmamm_z	Num	8			C34. <created var> LV mass for BSA z-score (m-mode)
175	CVNTMAMM1	Num	8	7.2	7.2	C34a. Ventricular mass, g (m-mode): Beat 1
176	CVNTMAMM2	Num	8	7.2	7.2	C34b. Ventricular mass, g (m-mode): Beat 2
177	CVNTMAMM3	Num	8	7.2	7.2	C34c. Ventricular mass, g (m-mode): Beat 3
178	cratio_avg	Num	8			C35. <created var> Average of 3 beats, LV function: Thickness to dimension ratio (m-mode)
179	cratio_z	Num	8			C35. <created var> LV end-diastolic thickness/dimension for age z-score (m-mode)
180	CRATIO1	Num	8	5.2	5.2	C35a. Thickness to dimension ratio (m-mode): Beat 1
181	CRATIO2	Num	8	5.2	5.2	C35b. Thickness to dimension ratio (m-mode): Beat 2
182	CRATIO3	Num	8	5.2	5.2	C35c. Thickness to dimension ratio (m-mode): Beat 3
183	cmvr_avg	Num	8			C36. <created var> Average of 3 beats, LV function: Mass-to-volume ratio (5/6*area*length)
184	cmvr_z	Num	8			C36. <created var> LV mass:volume ratio for age z-score (5/6*area*length)
185	CMVR1	Num	8	5.2	5.2	C36a. Mass-to-volume ratio (5/6*area*length): Beat 1
186	CMVR2	Num	8	5.2	5.2	C36b. Mass-to-volume ratio (5/6*area*length): Beat 2
187	CMVR3	Num	8	5.2	5.2	C36c. Mass-to-volume ratio (5/6*area*length): Beat 3
188	cmvrbs_avg	Num	8			C37. <created var> Average of 3 beats, LV function: Mass-to-volume ratio (Biapical Simpsons)
189	CMVRBS1	Num	8	5.2	5.2	C37a. Mass-to-volume ratio (Biapical Simpsons): Beat 1
190	CMVRBS2	Num	8	5.2	5.2	C37b. Mass-to-volume ratio (Biapical Simpsons): Beat 2
191	CMVRBS3	Num	8	5.2	5.2	C37c. Mass-to-volume ratio (Biapical Simpsons): Beat 3
192	cmvrms_avg	Num	8			C38. <created var> Average of 3 beats, LV function: Mass-to-volume ratio (Modified Simpsons)
193	CMVRMS1	Num	8	5.2	5.2	C38a. Mass-to-volume ratio (Modified Simpsons): Beat 1
194	CMVRMS2	Num	8	5.2	5.2	C38b. Mass-to-volume ratio (Modified Simpsons): Beat 2
195	CMVRMS3	Num	8	5.2	5.2	C38c. Mass-to-volume ratio (Modified Simpsons): Beat 3
196	chrates_avg	Num	8			C39. <created var> Average of 3 beats, LV function: Heart rate , beat/min (5/6*area*length)
197	CHRATE1	Num	8	4.	4.	C39a. Heart rate, beat/min (5/6*area*length): Beat 1
198	CHRATE2	Num	8	4.	4.	C39b. Heart rate, beat/min (5/6*area*length): Beat 2
199	CHRATE3	Num	8	4.	4.	C39c. Heart rate, beat/min (5/6*area*length): Beat 3



# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
200	cstrkv_avg	Num	8			C40. <created var> Average of 3 beats, LV function: Stroke volume (5/6*area*length)
201	cstrkv_z	Num	8			C40. <created var> LV stroke volume for BSA z-score (5/6*area*length)
202	CSTRKV1	Num	8	6.1	6.1	C40a. Stroke volume (5/6*area*length): Beat 1
203	CSTRKV2	Num	8	6.1	6.1	C40b. Stroke volume (5/6*area*length): Beat 2
204	CSTRKV3	Num	8	6.1	6.1	C40c. Stroke volume (5/6*area*length): Beat 3
205	ccout_avg	Num	8			C41. <created var> Average of 3 beats, LV function: Cardiac output, L/min (5/6*area*length)
206	CCOUT1	Num	8	6.2	6.2	C41a. Cardiac output, L/min (5/6*area*length): Beat 1
207	CCOUT2	Num	8	6.2	6.2	C41b. Cardiac output, L/min (5/6*area*length): Beat 2
208	CCOUT3	Num	8	6.2	6.2	C41c. Cardiac output, L/min (5/6*area*length): Beat 3
209	ccind_avg	Num	8			C42. <created var> Average of 3 beats, LV function: Cardiac index, L/min/m2 (5/6*area*length)
210	CCIND1	Num	8	6.2	6.2	C42a. Cardiac index, L/min/m2 (5/6*area*length): Beat 1
211	CCIND2	Num	8	6.2	6.2	C42b. Cardiac index, L/min/m2 (5/6*area*length): Beat 2
212	CCIND3	Num	8	6.2	6.2	C42c. Cardiac index, L/min/m2 (5/6*area*length): Beat 3
213	csysrs_avg	Num	8			C43. <created var> Average of 3 beats, LV function: Systemic resistance, mmHg/L/min (5/6*area*length)
214	CSYSRS1	Num	8	7.2	7.2	C43a. Systemic resistance, mmHg/L/min (5/6*area*length): Beat 1
215	CSYSRS2	Num	8	7.2	7.2	C43b. Systemic resistance, mmHg/L/min (5/6*area*length): Beat 2
216	CSYSRS3	Num	8	7.2	7.2	C43c. Systemic resistance, mmHg/L/min (5/6*area*length): Beat 3
217	chratebs_avg	Num	8			C44. <created var> Average of 3 beats, LV function: Heart rate, beat/min (Biapical Simpsons)
218	CHRATEBS1	Num	8	4.	4.	C44a. Heart rate, beat/min (Biapical Simpsons): Beat 1
219	CHRATEBS2	Num	8	4.	4.	C44b. Heart rate, beat/min (Biapical Simpsons): Beat 2
220	CHRATEBS3	Num	8	4.	4.	C44c. Heart rate, beat/min (Biapical Simpsons): Beat 3
221	cstrkvbs_avg	Num	8			C45. <created var> Average of 3 beats, LV function: Stroke volume (Biapical Simpsons)
222	CSTRKVBS1	Num	8	6.1	6.1	C45a. Stroke volume (Biapical Simpsons): Beat 1
223	CSTRKVBS2	Num	8	6.1	6.1	C45b. Stroke volume (Biapical Simpsons): Beat 2
224	CSTRKVBS3	Num	8	6.1	6.1	C45c. Stroke volume (Biapical Simpsons): Beat 3
225	ccoutbs_avg	Num	8			C46. <created var> Average of 3 beats, LV function: Cardiac output, L/min (Biapical Simpsons)
226	CCOUTBS1	Num	8	6.2	6.2	C46a. Cardiac output, L/min (Biapical Simpsons): Beat 1
227	CCOUTBS2	Num	8	6.2	6.2	C46b. Cardiac output, L/min (Biapical Simpsons): Beat 2
228	CCOUTBS3	Num	8	6.2	6.2	C46c. Cardiac output, L/min (Biapical Simpsons): Beat 3

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
229	ccindbs_avg	Num	8			C47. <created var> Average of 3 beats, LV function: Cardiac index, L/min/m2 (Biapical Simpsons)
230	CCINDBS1	Num	8	6.2	6.2	C47a. Cardiac index, L/min/m2 (Biapical Simpsons): Beat 1
231	CCINDBS2	Num	8	6.2	6.2	C47b. Cardiac index, L/min/m2 (Biapical Simpsons): Beat 2
232	CCINDBS3	Num	8	6.2	6.2	C47c. Cardiac index, L/min/m2 (Biapical Simpsons): Beat 3
233	csysrsbs_avg	Num	8			C48. <created var> Average of 3 beats, LV function: Systemic resistance, mmHg/L/min (Biapical Simpsons)
234	CSYSRSBS1	Num	8	7.2	7.2	C48a. Systemic resistance, mmHg/L/min (Biapical Simpsons): Beat 1
235	CSYSRSBS2	Num	8	7.2	7.2	C48b. Systemic resistance, mmHg/L/min (Biapical Simpsons): Beat 2
236	CSYSRSBS3	Num	8	7.2	7.2	C48c. Systemic resistance, mmHg/L/min (Biapical Simpsons): Beat 3
237	cratio2d_avg	Num	8			<created var> Average of 3 beats, LV wall thickness to dimension ratio (2D)
238	cratio2d_z	Num	8			<created var> LV posterior wall thickness to dimension ratio for age z-score (2D)
239	cratio2d1	Num	8	6.2		<created var> LV posterior wall thickness to dimension ratio (2D): Beat 1
240	cratio2d2	Num	8	6.2		<created var> LV posterior wall thickness to dimension ratio (2D): Beat 2
241	cratio2d3	Num	8	6.2		<created var> LV posterior wall thickness to dimension ratio (2D): Beat 3
242	cvntmadev_avg	Num	8			<created var> Average of 3 beats, LV ventricular mass, g (Devereux-2D)
243	cvntmadev_z	Num	8			<created var> LV ventricular mass for BSA z-score (Devereux-2D)
244	cvntmadev1	Num	8	6.2		<created var> LV ventricular mass, g (Devereux-2D): Beat 1
245	cvntmadev2	Num	8	6.2		<created var> LV ventricular mass, g (Devereux-2D): Beat 2
246	cvntmadev3	Num	8	6.2		<created var> LV ventricular mass, g (Devereux-2D): Beat 3
247	cesstr2d_avg	Num	8			<created var> Avere of 3 beats, LV end-systolic meridional stress, gm/cm2 (2D)
248	cesstr2d_z	Num	8			<created var> LV end-systolic meridional stress for age z-score (2D)
249	cesstr2d1	Num	8	6.2		<created var> LV end-systolic meridional stress, gm/cm2 (2D): Beat 1
250	cesstr2d2	Num	8	6.2		<created var> LV end-systolic meridional stress, gm/cm2 (2D): Beat 2
251	cesstr2d3	Num	8	6.2		<created var> LV end-systolic meridional stress, gm/cm2 (2D): Beat 3
252	cesfs2d_avg	Num	8			<created var> Average of 3 beats, LV end-systolic fiberstress, gm/cm2 (2D)
253	cesfs2d_z	Num	8			<created var> LV end-systolic fiberstress for age z-score (2D)
254	cesfs2d1	Num	8	6.2		<created var> LV end-systolic fiberstress, gm/cm2 (2D): Beat 1
255	cesfs2d2	Num	8	6.2		<created var> LV end-systolic fiberstress, gm/cm2 (2D): Beat 2
256	cesfs2d3	Num	8	6.2		<created var> LV end-systolic fiberstress, gm/cm2 (2D): Beat 3
257	wlratio2d_avg	Num	8			<created var> Average of 3 beats, LV end-diastolic septal to free wall ratio (2D)

# The SAS System

## The CONTENTS Procedure

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
258	wlratio2d_z	Num	8			<created var> Average of 3 beats, LV end-diastolic septal to free wall ratio for age z-score (2D)
259	wlratio2d_1	Num	8			<created var> LV end-diastolic septal to free wall ratio (2D): Beat 1
260	wlratio2d_2	Num	8			<created var> LV end-diastolic septal to free wall ratio (2D): Beat 2
261	wlratio2d_3	Num	8			<created var> LV end-diastolic septal to free wall ratio (2D): Beat 3
262	axisr2d_avg	Num	8			<created var> Average of of 3 beats: LV end-diastolic short to long axis ratio (2D)
263	axisr2d_z	Num	8			<created var> LV end-diastolic short to long axis ratio for age z-score (2D)
264	axisr2d_1	Num	8			<created var> LV end-diastolic short to long axis ratio (2D), Beat 1
265	axisr2d_2	Num	8			<created var> LV end-diastolic short to long axis ratio (2D), Beat 2
266	axisr2d_3	Num	8			<created var> LV end-diastolic short to long axis ratio (2D), Beat 3
267	lasf_avg	Num	8			<created var> Average of of 3 beats, LV long axis shortening fraction, %
268	lasf_z	Num	8			<created var> LV long axis shortening fraction for age z-score
269	lasf_1	Num	8			<created var> LV long axis shortening fraction, %: Beat 1
270	lasf_2	Num	8			<created var> LV long axis shortening fraction, %: Beat 2
271	lasf_3	Num	8			<created var> LV long axis shortening fraction, %: Beat 3
272	fachange_avg	Num	8			<created var> Average of of 3 beats: LV short axis area change, %
273	fachange_z	Num	8			<created var> LV short axis area change for age z-score
274	fachange1	Num	8			<created var> LV short axis area change, %: Beat 1
275	fachange2	Num	8			<created var> LV short axis area change, %: Beat 2
276	fachange3	Num	8			<created var> LV short axis area change, %: Beat 3
277	mmwalr_avg	Num	8			<created var> Average of of 3 beats, LV end-diastolic septal to free wall ratio (m-mode)
278	mmwalr_z	Num	8			<created var> LV end-diastolic septal to free Wall ratio for age z-score (m-mode)
279	mmwalr_1	Num	8			<created var> LV end-diastolic septal to free Wall ratio (m-mode): Beat 1
280	mmwalr_2	Num	8			<created var> LV end-diastolic septal to free Wall ratio (m-mode): Beat 2
281	mmwalr_3	Num	8			<created var> LV end-diastolic septal to free Wall ratio (m-mode): Beat 3