

The CONTENTS Procedure

Data Set Name	IN.ECHODATA	Observations	492
Member Type	DATA	Variables	60
Engine	V9	Indexes	0
Created	15:53 Friday, April 4, 2008	Observation Length	744
Last Modified	15:53 Friday, April 4, 2008	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	24
First Data Page	1
Max Obs per Page	21
Obs in First Data Page	10
Number of Data Set Repairs	0
File Name	echodata.sas7bdat
Release Created	9.0000M0
Host Created	XP_PRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
50	DOACCT	Num	8	10.2L DOPPLER PULMONARY ACCEL TIME
46	DOLVAT	Num	8	10.2H DOPPLER ACCELERATION TIME
45	DOLVET	Num	8	10.2G DOPPLER LVET
44	DOLVPE	Num	8	10.2F DOPPLER LV-PET
43	DOLVPV	Num	8	10.2E DOPPLER LV PEAK VELOCITY
41	DOMPKA	Num	8	10.2C DOPPLER PEAK A
39	DOMPKE	Num	8	10.2A DOPPLER PEAK E
42	DOMVIA	Num	8	10.2D DOPPLER VELOCITY INTEGRAL A
40	DOMVIE	Num	8	10.2B DOPPLER VELOCITY INTEGRAL E
47	DOPPKV	Num	8	10.2I DOPPLER PULMONARY PEAK VELOCITY
38	DORR	Num	8	10.1 DOPPLER R-R INTERVAL
49	DORVET	Num	8	10.2K DOPPLER PULMONARY RVET
48	DORVPE	Num	8	10.2J DOPPLER PULMONARY RV-PET
51	DOTRPV	Num	8	10.2M DOPPLER TRICUSPID PEAK VELOCITY
57	ECDOCOMM	Char	40	DOPPLER ECHO COMMENTS
4	ECDODATE	Num	8	DATE OF DOPPLER ECHO - (DAYS SINCE PHASE 2 ENROLLMENT)
53	ECDODX1	Char	25	10.5a DOPPLER ECHO DIAGNOSIS
54	ECDODX2	Char	25	10.5b DOPPLER ECHO DIAGNOSIS
55	ECDODX3	Char	25	10.5c DOPPLER ECHO DIAGNOSIS
56	ECDODX4	Char	25	10.5d DOPPLER ECHO DIAGNOSIS
52	ECDOQUAL	Char	20	10.3 DOPPLER ECHO QUALITY
9	ECDOREQ	Num	8	7.2 ALL DOPPLER REQUIREMENTS RECEIVED
10	ECDOREQM	Char	20	7.3 LIST OF MISSING DOPPLER REQUIREMENTS
11	ECDOREQS	Char	2	7.4 DOPPLER REQUIREMENTS ACCEPTABLE
12	ECDORSN	Char	20	REASON DOPPLER REQUIREMENTS UNACCEPTABLE
13	ECHGB	Num	8	8. HEMOGLOBIN

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
14	ECHGBDAT	Num	8	DATE OF HEMOGLOBIN - (DAYS SINCE PHASE 2 ENROLLMENT)
3	ECID2	Num	8	VISIT CYCLE #
58	ECIRPT	Num	8	ECHO INSTITUTIONAL REPORTS RECEIVED
37	ECMMCOM	Char	40	M-MODE ECHO COMMENTS
2	ECMMDATE	Num	8	DATE OF M-MODE ECHO - (DAYS SINCE PHASE 2 ENROLLMENT)
33	ECMMDX1	Char	25	9.5a M-MODE ECHO DIAGNOSIS
34	ECMMDX2	Char	25	9.5b M-MODE ECHO DIAGNOSIS
35	ECMMDX3	Char	25	9.5c M-MODE ECHO DIAGNOSIS
36	ECMMDX4	Char	25	9.5d M-MODE ECHO DIAGNOSIS
32	ECMMINT	Num	8	9.5 INTERPRETATION OF M-MODE ECHO
31	ECMMQUAL	Char	20	9.4 QUALITY OF M-MODE ECHO
5	ECMMREQ	Num	8	6.2 ALL M-MODE REQUIREMENTS RECEIVED
6	ECMMREQM	Char	20	6.3 LIST OF MISSING M-MODE REQUIREMENTS
7	ECMMREQS	Char	2	6.4 ACCEPTABILITY OF M-MODE REQUIREMENTS
8	ECMMRSN	Char	20	REASON M-MODE ECHO UNACCEPTABLE
30	MMARD	Num	8	9.3N AORTIC ROOT DIMENSION
29	MMLA	Num	8	9.3M LEFT ATRIAL DIMENSION
21	MMLVED	Num	8	9.3E M-MODE LVED
22	MMLVES	Num	8	9.3F M-MODE LVES
24	MMLVET	Num	8	9.3H M-MODE LVET
23	MMLVPE	Num	8	9.3G M-MODE LV-PET
16	MMPEF	Num	8	9.2 M-MODE PERICARDIAL EFFUSION
27	MMPWD	Num	8	9.3K POSTERIOR WALL THICKNESS (DIASTOLE)
28	MMPWS	Num	8	9.3L POSTERIOR WALL THICKNESS (SYSTOLE)
17	MMRVED	Num	8	9.3A M-MODE RVED
20	MMRVET	Num	8	9.3D M-MODE RVET
19	MMRVPE	Num	8	9.3C M-MODE RV-PET
18	MMRVWT	Num	8	9.3B M-MODE RVWT
15	MMSM	Num	8	9.1 M-MODE SEPTAL MOTION
25	MMVSD	Num	8	9.3I VENTRI SEPTAL THICKNESS (DIASTOLE)
26	MMVSS	Num	8	9.3J VENTRI SEPTAL THICKNESS (SYSTOLE)
59	QCREVIEW	Num	8	CENTRAL QC REVIEW RESULTS
60	RESOLVED	Num	8	CENTRAL REVIEW DIFFERENCES RESOLVED

```

* K:\SAS\FMTLIB\ECHO.FMT;
* First missing value codes are recoded;
* FORMAT STATEMENTS FOR ECHO FORM;
* THESE ARE FORMAT STATEMENTS FOR VARIABLES IN ECHODATA.SSD;

```

```

ARRAY NEGCODES ECMMREQ ECDOREQ ECHGB MMSM MMPEF MMSM--MMARD
      ECMMINT DORR--DOTRPV ECIRPT QCREVIEW RESOLVED;
DO OVER NEGCODES;
IF NEGCODES EQ -9 THEN NEGCODES=.;
IF NEGCODES EQ -1 THEN NEGCODES=.A;
IF NEGCODES EQ -8 THEN NEGCODES=.B;
IF NEGCODES EQ -7 THEN NEGCODES=.C;
END;

```

```

ARRAY NEGDATES ECMMDATE ECDODATE ECHGBD
      ADD_DATE;
DO OVER NEGDATES;
IF NEGDATES EQ MDY(9,9,9) THEN NEGDATES=.;
IF NEGDATES EQ MDY(1,1,1) THEN NEGDATES=.A;
IF NEGDATES EQ MDY(8,8,8) THEN NEGDATES=.B;
IF NEGDATES EQ MDY(11,11,11) THEN NEGDATES=.C;
END;

```

```

ARRAY TEXTNEGS ECMMREQM ECMMREQS ECMMRSN
      ECDOREQM ECDOREQS ECDORSN
      ECMMQUAL ECMDX1 ECMDX2 ECMDX3 ECMDX4
      ECMMCOM ECDOQUAL ECDODX1 ECDODX2
      ECDODX3 ECDODX4 ECDOCOMM;
DO OVER TEXTNEGS;
IF TEXTNEGS EQ '-1' THEN TEXTNEGS='MISSING, REASON';
IF TEXTNEGS EQ '-7' THEN TEXTNEGS='N/A';
IF TEXTNEGS EQ '-9' THEN TEXTNEGS='MISSING';
END;

```

```
PROC FORMAT;
```

```

* FORMAT NOYES is defined for variable ECMMREQ ECDOREQ
      MMPEF ECIRPT RESOLVED;

```

```

VALUE NOYES
1      = '1-NO'
2      = '2-YES'
.      = 'MISSING'
.A     = 'MISSING, REASON'
.B     = 'OUT-OF-RANGE'
.C     = 'NOT APPLICABLE';

```

```

* FORMAT MOTION is defined for variable septal motion MMSM;

```

```

VALUE MOTION 1='1-NORMAL'
              2='2-FLAT'
              3='3-PARADOXICAL'
              .='MISSING'
              .A='MISSING, REASON'
              .B='OUT-OF-RANGE'
              .C='NOT APPLICABLE';

```

```

* FORMAT NORMABN is defined for variable ECMMINT;

```

```

VALUE NORMABN 1='1-NORMAL'
              2='2-ABNORMAL'
              .='MISSING'
              .A='MISSING, REASON'
              .B='OUT-OF-RANGE'

```

```
.C='NOT APPLICABLE';
```

```
* FORMAT QCREVIEW is defined for variable QCREVIEW;
```

```
VALUE QCREVIEW 1='1 NOT REVIEWED'  
                2='2 REVIEWED, AGREE '  
                3='3 REVIEWED, DISAGREE '  
                .  = 'MISSING'  
                .A = 'MISSING, REASON '  
                .B = 'OUT-OF-RANGE '  
                .C = 'NOT APPLICABLE';
```

□

6.2 ALL M-MODE REQUIREMENTS RECEIVED

ECMMREQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1-NO	3	0.6	3	0.6
2-YES	489	99.4	492	100.0

6.3 LIST OF MISSING M-MODE REQUIREMENTS

ECMMREQM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
HGB	1	0.2	1	0.2
N/A	489	99.4	490	99.6
NO DATA RECEIVED	1	0.2	491	99.8
NO HARD COPY	1	0.2	492	100.0

6.4 ACCEPTABILITY OF M-MODE REQUIREMENTS

ECMMREQS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A	489	99.4	489	99.4
N/A	3	0.6	492	100.0

REASON M-MODE ECHO UNACCEPTABLE

ECMMRSN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
N/A	492	100.0	492	100.0

7.2 ALL DOPPLER REQUIREMENTS RECEIVED

ECDOREQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1-NO	8	1.6	8	1.6
2-YES	484	98.4	492	100.0

7.3 LIST OF MISSING DOPPLER REQUIREMENTS

ECDOREQM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MOSTLY INCOMPLETE	1	0.2	1	0.2
N/A	484	98.4	485	98.6
NO DATA RECEIVED	1	0.2	486	98.8
NO HARD COPY	1	0.2	487	99.0
NO TRACINGS SENT	5	1.0	492	100.0

7.4 DOPPLER REQUIREMENTS ACCEPTABLE

ECDOREQS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A	484	98.4	484	98.4
N/A	8	1.6	492	100.0

REASON DOPPLER REQUIREMENTS UNACCEPTABLE

ECDORSN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
N/A	492	100.0	492	100.0

Variable=ECHGB

8. HEMOGLOBIN

Moments

N	330	Sum Wgts	330
Mean	9.037273	Sum	2982.3
Std Dev	2.148649	Variance	4.616692

Skewness	0.165091	Kurtosis	-0.18607
USS	28470.75	CSS	1518.892
CV	23.77541	Std Mean	0.118279
T:Mean=0	76.40626	Pr>|T|	0.0001
Num ^ = 0	330	Num > 0	330
M(Sign)	165	Pr>=|M|	0.0001
Sgn Rank	27307.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	15.2	99%	14
75% Q3	10.6	95%	12.9
50% Med	9	90%	11.8
25% Q1	7.4	10%	6.5
0% Min	3.2	5%	5.8
		1%	4.1
Range	12		
Q3-Q1	3.2		
Mode	9.6		

Extremes

Lowest	Obs	Highest	Obs
3.2 (	415)	13.9 (	488)
3.3 (	51)	14 (	48)
3.8 (	420)	14.1 (	452)
4.1 (	474)	14.6 (	89)
4.5 (	466)	15.2 (	90)

162 Missing Values

Missing Value	.	A
Count	161	1
% Count/Nobs	32.72	0.20
% Count/Nmiss	99.38	0.62

9.1 M-MODE SEPTAL MOTION

MMSM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MISSING	14	.	.	.
MISSING, REASON	1	.	.	.
1-NORMAL	474	99.4	474	99.4
2-FLAT	3	0.6	477	100.0

Frequency Missing = 15

9.2 M-MODE PERICARDIAL EFFUSION

MMPEF	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MISSING	20	.	.	.
MISSING, REASON	1	.	.	.
1-NO	405	86.0	405	86.0
2-YES	66	14.0	471	100.0

Frequency Missing = 21

Variable=MMRVED

9.3A M-MODE RVED

Moments

N	417	Sum Wgts	417
Mean	2.081295	Sum	867.9
Std Dev	0.568217	Variance	0.32287
Skewness	0.219342	Kurtosis	0.264384
USS	1940.67	CSS	134.3141
CV	27.30112	Std Mean	0.027826
T:Mean=0	74.79758	Pr>|T|	0.0001
Num ^ = 0	417	Num > 0	417
M(Sign)	208.5	Pr>=|M|	0.0001
Sgn Rank	43576.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	4.2	99%	3.6
75% Q3	2.4	95%	3
50% Med	2.1	90%	2.8
25% Q1	1.7	10%	1.3
0% Min	0.6	5%	1.2
		1%	0.9
Range	3.6		
Q3-Q1	0.7		
Mode	2.2		

Extremes

Lowest	Obs	Highest	Obs
0.6 (	37)	3.6 (	159)
0.8 (	487)	3.6 (	316)
0.8 (	57)	3.7 (	305)
0.8 (	40)	3.8 (	300)
0.9 (	492)	4.2 (	280)

Missing Value A
 Count 75
 % Count/Nobs 15.24

Variable=MMRVWT 9.3B M-MODE RVWT

Moments

N	242	Sum Wgts	242
Mean	0.500826	Sum	121.2
Std Dev	0.170669	Variance	0.029128
Skewness	1.643367	Kurtosis	6.788115
USS	67.72	CSS	7.019835
CV	34.0775	Std Mean	0.010971
T:Mean=0	45.64992	Pr>|T|	0.0001
Num ^= 0	242	Num > 0	242
M(Sign)	121	Pr>=|M|	0.0001
Sgn Rank	14701.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	1.5	99%	0.9
75% Q3	0.6	95%	0.8
50% Med	0.5	90%	0.7
25% Q1	0.4	10%	0.3
0% Min	0.2	5%	0.3

Range	1.3	1%	0.2
Q3-Q1	0.2		
Mode	0.4		

Extremes

Lowest	Obs	Highest	Obs
0.2 (	416)	0.9 (	435)
0.2 (	387)	0.9 (	436)
0.2 (	373)	0.9 (	467)
0.2 (	34)	1.4 (	66)
0.2 (	33)	1.5 (	37)

Missing Value A
 Count 250
 % Count/Nobs 50.81

Variable=MMRVPE 9.3C M-MODE RV-PET

Moments

N	210	Sum Wgts	210
Mean	92.70476	Sum	19468
Std Dev	13.58153	Variance	184.4579
Skewness	0.291951	Kurtosis	0.342966
USS	1843328	CSS	38551.7
CV	14.6503	Std Mean	0.937214
T:Mean=0	98.91521	Pr>|T|	0.0001
Num ^= 0	210	Num > 0	210
M(Sign)	105	Pr>=|M|	0.0001
Sgn Rank	11077.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	140	99%	130
75% Q3	100	95%	115
50% Med	90	90%	110
25% Q1	84	10%	75
0% Min	60	5%	70

Range	80	1%	65
Q3-Q1	16		
Mode	90		

Extremes

Lowest	Obs	Highest	Obs
60 (	149)	120 (	440)
63 (	196)	120 (	451)
65 (	321)	130 (	471)
65 (	139)	135 (	449)

66 (188) 140 (327)

Missing Value A
 Count 282
 % Count/Nobs 57.32

Variable=MMRVET 9.3D M-MODE RVET

Moments

N	79	Sum Wgts	79
Mean	342.1013	Sum	27026
Std Dev	38.34345	Variance	1470.22
Skewness	-0.70219	Kurtosis	0.856439
USS	9360306	CSS	114677.2
CV	11.20822	Std Mean	4.313975
T:Mean=0	79.3007	Pr>|T|	0.0001
Num ^= 0	79	Num > 0	79
M(Sign)	39.5	Pr>=|M|	0.0001
Sgn Rank	1580	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	420	99%	420
75% Q3	370	95%	399
50% Med	345	90%	385
25% Q1	320	10%	290
0% Min	220	5%	265

Range	200	1%	220
Q3-Q1	50		
Mode	335		

Extremes

Lowest	Obs	Highest	Obs
220 (	50)	387 (	188)
240 (	468)	399 (	200)
250 (	51)	410 (	410)
265 (	445)	411 (	194)
285 (	347)	420 (	474)

Missing Value A
 Count 413
 % Count/Nobs 83.94

Variable=MMLVED 9.3E M-MODE LVED

Moments

N	464	Sum Wgts	464
Mean	5.300862	Sum	2459.6
Std Dev	0.679982	Variance	0.462375
Skewness	0.152311	Kurtosis	-0.38146
USS	13252.08	CSS	214.0797
CV	12.82776	Std Mean	0.031567
T:Mean=0	167.9223	Pr>|T|	0.0001
Num ^= 0	464	Num > 0	464
M(Sign)	232	Pr>=|M|	0.0001
Sgn Rank	53940	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	7.2	99%	6.9
75% Q3	5.8	95%	6.5
50% Med	5.3	90%	6.2
25% Q1	4.8	10%	4.4
0% Min	3.6	5%	4.2

Range	3.6	1%	3.9
Q3-Q1	1		
Mode	5		

Extremes

Lowest	Obs	Highest	Obs
3.6 (	131)	6.9 (	341)
3.6 (	38)	6.9 (	351)
3.7 (	132)	7 (	423)
3.8 (	186)	7.1 (	165)
3.9 (	486)	7.2 (	466)

Missing Value A
 Count 28
 % Count/Nobs 5.69

Variable=MMLVES 9.3F M-MODE LVES

Moments			
N	453	Sum Wgts	453
Mean	3.35585	Sum	1520.2
Std Dev	0.602129	Variance	0.36256
Skewness	0.13374	Kurtosis	-0.23713
USS	5265.44	CSS	163.877
CV	17.94268	Std Mean	0.028291
T:Mean=0	118.6211	Pr>|T|	0.0001
Num ^= 0	453	Num > 0	453
M(Sign)	226.5	Pr>=|M|	0.0001
Sgn Rank	51415.5	Pr>=|S|	0.0001

Quantiles (Def=5)			
100% Max	5.4	99%	4.8
75% Q3	3.8	95%	4.3
50% Med	3.3	90%	4.1
25% Q1	3	10%	2.6
0% Min	1.9	5%	2.4
		1%	2.1
Range	3.5		
Q3-Q1	0.8		
Mode	3		

Extremes			
Lowest	Obs	Highest	Obs
1.9 (	462)	4.8 (	241)
2 (	416)	4.8 (	322)
2 (	176)	4.8 (	351)
2.1 (	486)	5 (	423)
2.1 (	285)	5.4 (	373)

Missing Value	A
Count	39
% Count/Nobs	7.93

Variable=MMLVPE 9.3G M-MODE LV-PET

Moments			
N	291	Sum Wgts	291
Mean	95.17869	Sum	27697
Std Dev	14.5112	Variance	210.5749
Skewness	0.559347	Kurtosis	0.658367
USS	2697231	CSS	61066.71
CV	15.24627	Std Mean	0.850661
T:Mean=0	111.8879	Pr>|T|	0.0001
Num ^= 0	291	Num > 0	291
M(Sign)	145.5	Pr>=|M|	0.0001
Sgn Rank	21243	Pr>=|S|	0.0001

Quantiles (Def=5)			
100% Max	150	99%	140
75% Q3	105	95%	120
50% Med	95	90%	110
25% Q1	85	10%	80
0% Min	64	5%	72
		1%	70
Range	86		
Q3-Q1	20		
Mode	90		

Extremes			
Lowest	Obs	Highest	Obs
64 (	243)	130 (	471)
70 (	487)	135 (	241)
70 (	309)	140 (	402)
70 (	267)	145 (	449)
70 (	233)	150 (	373)

Missing Value	A
Count	201
% Count/Nobs	40.85

Variable=MMLVET 9.3H M-MODE LVET

Moments			
N	282	Sum Wgts	282
Mean	307.3262	Sum	86666
Std Dev	29.8041	Variance	888.2846
Skewness	-0.11349	Kurtosis	0.212492
USS	26884344	CSS	249608

CV	9.697872	Std Mean	1.774809
T:Mean=0	173.1602	Pr>|T|	0.0001
Num ^= 0	282	Num > 0	282
M(Sign)	141	Pr>=|M|	0.0001
Sgn Rank	19951.5	Pr>=|S|	0.0001

Quantiles (Def=5)			
100% Max	390	99%	380
75% Q3	330	95%	355
50% Med	305	90%	345
25% Q1	286	10%	270
0% Min	195	5%	260
		1%	235
Range	195		
Q3-Q1	44		
Mode	310		

Extremes			
Lowest	Obs	Highest	Obs
195 (	50)	370 (	474)
235 (	477)	375 (	200)
235 (	468)	380 (	162)
245 (	345)	380 (	368)
245 (	340)	390 (	171)

210 Missing Values		
Missing Value	A	C
Count	209	1
% Count/Nobs	42.48	0.20
% Count/Nmiss	99.52	0.48

Variable=MMVSD 9.3I VENTRI SEPTAL THICKNESS (DIASTOLE)

Moments			
N	455	Sum Wgts	455
Mean	0.983516	Sum	447.5
Std Dev	0.193884	Variance	0.037591
Skewness	0.898803	Kurtosis	2.172874
USS	457.19	CSS	17.06637
CV	19.71338	Std Mean	0.009089
T:Mean=0	108.2043	Pr>|T|	0.0001
Num ^= 0	455	Num > 0	455
M(Sign)	227.5	Pr>=|M|	0.0001
Sgn Rank	51870	Pr>=|S|	0.0001

Quantiles (Def=5)			
100% Max	2	99%	1.5
75% Q3	1.1	95%	1.3
50% Med	1	90%	1.2
25% Q1	0.9	10%	0.8
0% Min	0.6	5%	0.7
		1%	0.6
Range	1.4		
Q3-Q1	0.2		
Mode	1		

Extremes			
Lowest	Obs	Highest	Obs
0.6 (	376)	1.5 (	383)
0.6 (	252)	1.6 (	130)
0.6 (	207)	1.7 (	258)
0.6 (	203)	1.8 (	227)
0.6 (	134)	2 (	151)

Missing Value	A
Count	37
% Count/Nobs	7.52

Variable=MMVSS 9.3J VENTRI SEPTAL THICKNESS (SYSTOLE)

Moments			
N	429	Sum Wgts	429
Mean	1.438462	Sum	617.1
Std Dev	0.277233	Variance	0.076858
Skewness	0.463907	Kurtosis	-0.02223
USS	920.57	CSS	32.89538
CV	19.27291	Std Mean	0.013385
T:Mean=0	107.4685	Pr>|T|	0.0001
Num ^= 0	429	Num > 0	429

M(Sign) 214.5 Pr>=|M| 0.0001
 Sgn Rank 46117.5 Pr>=|S| 0.0001

Quantiles (Def=5)

100% Max 2.4 99% 2.1
 75% Q3 1.6 95% 2
 50% Med 1.4 90% 1.8
 25% Q1 1.2 10% 1.1
 0% Min 0.8 5% 1
 1% 0.9

Range 1.6
 Q3-Q1 0.4
 Mode 1.5

Extremes

Lowest	Obs	Highest	Obs
0.8 (	360)	2.1 (	475)
0.8 (	84)	2.2 (	22)
0.9 (	362)	2.2 (	151)
0.9 (	335)	2.2 (	164)
0.9 (	305)	2.4 (	383)

Missing Value A
 Count 63
 % Count/Nobs 12.80

Variable=MMPWD 9.3K POSTERIOR WALL THICKNESS (DIASTOLE)

Moments

N	452	Sum Wgts	452
Mean	0.96615	Sum	436.7
Std Dev	0.186294	Variance	0.034705
Skewness	0.815017	Kurtosis	1.424918
USS	437.57	CSS	15.6521
CV	19.28205	Std Mean	0.008763
T:Mean=0	110.2595	Pr>|T|	0.0001
Num ^= 0	452	Num > 0	452
M(Sign)	226	Pr>=|M|	0.0001
Sgn Rank	51189	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max 1.7 99% 1.6
 75% Q3 1.1 95% 1.3
 50% Med 1 90% 1.2
 25% Q1 0.8 10% 0.8
 0% Min 0.6 5% 0.7
 1% 0.6

Range 1.1
 Q3-Q1 0.3
 Mode 1

Extremes

Lowest	Obs	Highest	Obs
0.6 (	468)	1.6 (	173)
0.6 (	454)	1.6 (	214)
0.6 (	318)	1.6 (	287)
0.6 (	296)	1.6 (	467)
0.6 (	292)	1.7 (	258)

Missing Value A
 Count 40
 % Count/Nobs 8.13

Variable=MMPWS 9.3L POSTERIOR WALL THICKNESS (SYSTOLE)

Moments

N	432	Sum Wgts	432
Mean	1.587269	Sum	685.7
Std Dev	0.286105	Variance	0.081856
Skewness	0.42494	Kurtosis	0.137971
USS	1123.67	CSS	35.27998
CV	18.02499	Std Mean	0.013765
T:Mean=0	115.3099	Pr>|T|	0.0001
Num ^= 0	432	Num > 0	432
M(Sign)	216	Pr>=|M|	0.0001
Sgn Rank	46764	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max 2.7 99% 2.2

75% Q3 1.8 95% 2.1
 50% Med 1.6 90% 2
 25% Q1 1.4 10% 1.2
 0% Min 0.9 5% 1.2
 1% 1.1

Range 1.8
 Q3-Q1 0.4
 Mode 1.6

Extremes

Lowest	Obs	Highest	Obs
0.9 (	19)	2.2 (	467)
1 (	251)	2.3 (	124)
1 (	27)	2.4 (	5)
1.1 (	454)	2.6 (	128)
1.1 (	408)	2.7 (	151)

Missing Value A
 Count 60
 % Count/Nobs 12.20

Variable=MMLA 9.3M LEFT ATRIAL DIMENSION

Moments

N	478	Sum Wgts	478
Mean	3.878452	Sum	1853.9
Std Dev	0.628112	Variance	0.394524
Skewness	0.196715	Kurtosis	0.228129
USS	7378.45	CSS	188.1881
CV	16.19491	Std Mean	0.028729
T:Mean=0	135.0005	Pr>|T|	0.0001
Num ^= 0	478	Num > 0	478
M(Sign)	239	Pr>=|M|	0.0001
Sgn Rank	57240.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max 6 99% 5.4
 75% Q3 4.3 95% 5
 50% Med 3.9 90% 4.7
 25% Q1 3.4 10% 3.1
 0% Min 1.6 5% 2.9
 1% 2.5

Range 4.4
 Q3-Q1 0.9
 Mode 3.9

Extremes

Lowest	Obs	Highest	Obs
1.6 (	38)	5.4 (	165)
2.4 (	132)	5.4 (	435)
2.4 (	126)	5.8 (	474)
2.5 (	482)	5.9 (	41)
2.5 (	279)	6 (	258)

Missing Value A
 Count 14
 % Count/Nobs 2.85

Variable=MMARD 9.3N AORTIC ROOT DIMENSION

Moments

N	481	Sum Wgts	481
Mean	3.101247	Sum	1491.7
Std Dev	0.36009	Variance	0.129665
Skewness	0.199255	Kurtosis	0.004296
USS	4688.37	CSS	62.23925
CV	11.61115	Std Mean	0.016419
T:Mean=0	188.885	Pr>|T|	0.0001
Num ^= 0	481	Num > 0	481
M(Sign)	240.5	Pr>=|M|	0.0001
Sgn Rank	57960.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max 4.3 99% 4
 75% Q3 3.3 95% 3.7
 50% Med 3.1 90% 3.6
 25% Q1 2.8 10% 2.7
 0% Min 2.2 5% 2.5
 1% 2.3

Range 2.1
 Q3-Q1 0.5
 Mode 3

Extremes				2.3 (461)	4.1 (366)
Lowest	Obs	Highest	Obs	2.3 (441)	4.3 (123)
2.2 (	399)	4 (	282)	Missing Value	A
2.2 (	197)	4 (	382)	Count	11
2.2 (	115)	4.1 (	135)	% Count/Nobs	2.24

9.4 QUALITY OF M-MODE ECHO

ECMMQUAL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
? NO HARD COPY	3	0.6	3	0.6
FAIR	255	51.8	258	52.4
FAIR TO POOR	1	0.2	259	52.6
GOOD	82	16.7	341	69.3
INCOMPLETE	2	0.4	343	69.7
MISSING	7	1.4	350	71.1
MISSING, REASON	3	0.6	353	71.7
N/A	1	0.2	354	72.0
NO HARD COPY	4	0.8	358	72.8
POOR	132	26.8	490	99.6
SEE COMMENTS	1	0.2	491	99.8
TOO POOR TO MEAS	1	0.2	492	100.0

9.5 INTERPRETATION OF M-MODE ECHO

ECMMINT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MISSING	1	.	.	.
MISSING, REASON	1	.	.	.
1-NORMAL	199	40.6	199	40.6
2-ABNORMAL	291	59.4	490	100.0

Frequency Missing = 2

9.5a M-MODE ECHO DIAGNOSIS

ECMMDX1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
? POST WALL MOTI	1	0.2	1	0.2
AO DILATION	5	1.0	6	1.2
AO VALVE THICKEN	1	0.2	7	1.4
ASD-SMALL	1	0.2	8	1.6
BICUSPID AO VALV	1	0.2	9	1.8
DEPRESSED LV FUN	1	0.2	10	2.0
DILATED AO ROOT	1	0.2	11	2.2
DILATION	1	0.2	12	2.4
HYPOKINETIC INFE	1	0.2	13	2.6
LA DILATION	86	17.5	99	20.1
LV DILATION	108	22.0	207	42.1
LV HYPERCONTRACT	1	0.2	208	42.3
LVH	36	7.3	244	49.6
LVH-BORDERLINE	1	0.2	245	49.8
MITRAL PROLAPSE	5	1.0	250	50.8
MITRAL PROLAPSE-	1	0.2	251	51.0
N/A	201	40.9	452	91.9
PERICARDIAL EFFU	10	2.0	462	93.9
POOR LV FUNCTION	1	0.2	463	94.1
REDUCED CONTRACT	1	0.2	464	94.3
RV DILATION	24	4.9	488	99.2
RVH	1	0.2	489	99.4
SEPTAL HYPERTROP	1	0.2	490	99.6
SMALL EFFUSION	1	0.2	491	99.8
THICKENED MITRAL	1	0.2	492	100.0

9.5b M-MODE ECHO DIAGNOSIS

ECMMDX2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ABN SEPTAL MOTIO	1	0.2	1	0.2
ANTERIOR MITRAL	1	0.2	2	0.4
AO DILATION	1	0.2	3	0.6

DILATED AO ROOT	1	0.2	4	0.8
HEART FAILURE	1	0.2	5	1.0
LA DILATION	79	16.1	84	17.1
LA, LV, RV DILATIO	1	0.2	85	17.3
LV DILATION	38	7.7	123	25.0
LVH	26	5.3	149	30.3
LVH-MILD	1	0.2	150	30.5
MITRAL PROLAPSE	1	0.2	151	30.7
N/A	318	64.6	469	95.3
PERICARDIAL EFFU	4	0.8	473	96.1
PROLONGED LV PET	1	0.2	474	96.3
REDUCED CONTRACT	2	0.4	476	96.7
RV DILATION	13	2.6	489	99.4
RVH	3	0.6	492	100.0

9.5c M-MODE ECHO DIAGNOSIS

ECMDX3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ABN SYSTOLIC FUN	1	0.2	1	0.2
DILATED AO ROOT	1	0.2	2	0.4
LA DILATION	18	3.7	20	4.1
LONG RV PRE-EJEC	1	0.2	21	4.3
LV DILATION	2	0.4	23	4.7
LV HYPERCONTRACT	1	0.2	24	4.9
LVH	15	3.0	39	7.9
MITRAL PROLAPSE	1	0.2	40	8.1
N/A	432	87.8	472	95.9
PERICARD EFFUSIO	1	0.2	473	96.1
REDUCED CONTRACT	5	1.0	478	97.2
RV DILATION	12	2.4	490	99.6
RVH	1	0.2	491	99.8
SHORT LV EJECT T	1	0.2	492	100.0

9.5d M-MODE ECHO DIAGNOSIS

ECMDX4	Frequency	Percent	Cumulative Frequency	Cumulative Percent
AO DILATION	2	0.4	2	0.4
LV & RV DILATION	1	0.2	3	0.6
LVH	9	1.8	12	2.4
N/A	474	96.3	486	98.8
POOR CONTRACTILI	1	0.2	487	99.0
PROLONGED LV PET	1	0.2	488	99.2
PROLONGED RVPET	1	0.2	489	99.4
REDUCED CONTRACT	1	0.2	490	99.6
RV DILATION	2	0.4	492	100.0

9.6 M-MODE ECHO READER

ECMMINTR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
WC	492	100.0	492	100.0

DELETED

M-MODE ECHO COMMENTS

ECMMCOM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
CHRONIC VOLUME O	1	0.2	1	0.2
NO ECG RECORDED	1	0.2	2	0.4
NO TRACINGS	1	0.2	3	0.6
NONE	488	99.2	491	99.8
TIME INTERVALS I	1	0.2	492	100.0

Variable=DORR

10.1 DOPPLER R-R INTERVAL

Moments

N	480	Sum Wgts	480
Mean	827.6938	Sum	397293
Std Dev	133.7377	Variance	17885.78
Skewness	0.512462	Kurtosis	0.33884
USS	3.374E8	CSS	8567288

CV	16.15788	Std Mean	6.104264
T:Mean=0	135.5927	Pr>|T|	0.0001
Num ^= 0	480	Num > 0	480
M(Sign)	240	Pr>=|M|	0.0001
Sgn Rank	57720	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	1280	99%	1224
75% Q3	907.5	95%	1057.5
50% Med	815	90%	1002.5
25% Q1	730	10%	672
0% Min	525	5%	629
		1%	560
Range	755		
Q3-Q1	177.5		
Mode	800		

Extremes

Lowest	Obs	Highest	Obs
525 (	467)	1224 (	38)
526 (	177)	1250 (	299)
530 (	51)	1250 (	436)
540 (	235)	1260 (	475)
560 (	295)	1280 (	232)

12 Missing Values

Missing Value	.	A
Count	1	11
% Count/Nobs	0.20	2.24
% Count/Nmiss	8.33	91.67

Variable=DOMPKE 10.2A DOPPLER PEAK E

Moments

N	478	Sum Wgts	478
Mean	85.09414	Sum	40675
Std Dev	22.21926	Variance	493.6955
Skewness	0.877013	Kurtosis	1.215571
USS	3696697	CSS	235492.8
CV	26.11139	Std Mean	1.016285
T:Mean=0	83.73056	Pr>|T|	0.0001
Num ^= 0	478	Num > 0	478
M(Sign)	239	Pr>=|M|	0.0001
Sgn Rank	57240.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	173	99%	157
75% Q3	97	95%	126
50% Med	82.5	90%	115
25% Q1	69	10%	60
0% Min	39	5%	54
		1%	45
Range	134		
Q3-Q1	28		
Mode	60		

Extremes

Lowest	Obs	Highest	Obs
39 (	101)	157 (	158)
42 (	304)	160 (	377)
44 (	379)	160 (	421)
44 (	239)	171 (	337)
45 (	451)	173 (	459)

Missing Value	A
Count	14
% Count/Nobs	2.85

Variable=DOMVIE 10.2B DOPPLER VELOCITY INTEGRAL E

Moments

N	348	Sum Wgts	348
Mean	12.4069	Sum	4317.6
Std Dev	4.490561	Variance	20.16514
Skewness	0.909837	Kurtosis	2.234561
USS	60565.32	CSS	6997.303
CV	36.19407	Std Mean	0.240719
T:Mean=0	51.54092	Pr>|T|	0.0001

Num ^= 0	348	Num > 0	348
M(Sign)	174	Pr>=|M|	0.0001
Sgn Rank	30363	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	36.3	99%	24
75% Q3	15	95%	20
50% Med	11.95	90%	18.7
25% Q1	9.25	10%	7.4
0% Min	2.5	5%	6.6
		1%	4
Range	33.8		
Q3-Q1	5.75		
Mode	11		

Extremes

Lowest	Obs	Highest	Obs
2.5 (	183)	24 (	39)
2.9 (	468)	24 (	346)
3.2 (	209)	27 (	459)
4 (	451)	29 (	195)
4 (	223)	36.3 (	133)

Missing Value	A
Count	144
% Count/Nobs	29.27

Variable=DOMPKA 10.2C DOPPLER PEAK A

Moments

N	474	Sum Wgts	474
Mean	64.33122	Sum	30493
Std Dev	19.71118	Variance	388.5307
Skewness	0.887652	Kurtosis	1.24904
USS	2145427	CSS	183775
CV	30.64015	Std Mean	0.905365
T:Mean=0	71.0556	Pr>|T|	0.0001
Num ^= 0	474	Num > 0	474
M(Sign)	237	Pr>=|M|	0.0001
Sgn Rank	56287.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	151	99%	126
75% Q3	76	95%	100
50% Med	61	90%	90
25% Q1	50	10%	42
0% Min	25	5%	38
		1%	29

Range	126
Q3-Q1	26
Mode	60

Extremes

Lowest	Obs	Highest	Obs
25 (	351)	126 (	134)
25 (	74)	129 (	12)
28 (	436)	135 (	336)
28 (	282)	136 (	459)
29 (	323)	151 (	288)

Missing Value	A
Count	18
% Count/Nobs	3.66

Variable=DOMVIA 10.2D DOPPLER VELOCITY INTEGRAL A

Moments

N	342	Sum Wgts	342
Mean	6.916374	Sum	2365.4
Std Dev	3.057009	Variance	9.345303
Skewness	1.226695	Kurtosis	1.90475
USS	19546.74	CSS	3186.748
CV	44.19959	Std Mean	0.165304
T:Mean=0	41.84031	Pr>|T|	0.0001
Num ^= 0	342	Num > 0	342
M(Sign)	171	Pr>=|M|	0.0001
Sgn Rank	29326.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	20.1	99%	17
75% Q3	8.1	95%	13
50% Med	6.1	90%	11
25% Q1	4.6	10%	3.8
0% Min	2	5%	3.1
		1%	2.5

Range	18.1
Q3-Q1	3.5
Mode	6

Extremes

Lowest	Obs	Highest	Obs
2 (	280)	16 (	215)
2 (	209)	17 (	223)
2.2 (	436)	18 (	12)
2.5 (	84)	18 (	288)
2.7 (	188)	20.1 (	485)

Missing Value	A
Count	150
% Count/Nobs	30.49

Variable=DOLVPV 10.2E DOPPLER LV PEAK VELOCITY

Moments

N	479	Sum Wgts	479
Mean	123.2422	Sum	59033
Std Dev	31.48274	Variance	991.163
Skewness	1.972402	Kurtosis	10.03028
USS	7749131	CSS	473775.9
CV	25.54543	Std Mean	1.438483
T:Mean=0	85.67509	Pr>|T|	0.0001
Num ^= 0	479	Num > 0	479
M(Sign)	239.5	Pr>=|M|	0.0001
Sgn Rank	57480	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	369	99%	229
75% Q3	140	95%	176
50% Med	120	90%	160
25% Q1	102	10%	90
0% Min	62	5%	84
		1%	69

Range	307
Q3-Q1	38
Mode	120

Extremes

Lowest	Obs	Highest	Obs
62 (	99)	229 (	337)
65 (	414)	233 (	336)
67 (	228)	267 (	477)
68 (	240)	300 (	151)
69 (	239)	369 (	152)

Missing Value	A
Count	13
% Count/Nobs	2.64

Variable=DOLVPE 10.2F DOPPLER LV-PET

Moments

N	388	Sum Wgts	388
Mean	99.71134	Sum	38688
Std Dev	16.77682	Variance	281.4617
Skewness	0.307105	Kurtosis	0.11309
USS	3966558	CSS	108925.7
CV	16.82539	Std Mean	0.851714
T:Mean=0	117.0714	Pr>|T|	0.0001
Num ^= 0	388	Num > 0	388
M(Sign)	194	Pr>=|M|	0.0001
Sgn Rank	37733	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	155	99%	145
75% Q3	110	95%	125
50% Med	100	90%	120
25% Q1	88	10%	80
0% Min	48	5%	75
		1%	65

Range	107
Q3-Q1	22
Mode	100

Extremes

Lowest	Obs	Highest	Obs
48 (	100)	145 (	421)
62 (	258)	145 (	449)
64 (	248)	150 (	241)
65 (	376)	155 (	361)
68 (	243)	155 (	373)

Missing Value	A
Count	104
% Count/Nobs	21.14

Variable=DOLVET 10.2G DOPPLER LVET

Moments

N	453	Sum Wgts	453
Mean	301.3687	Sum	136520
Std Dev	31.21299	Variance	974.251
Skewness	-0.39382	Kurtosis	2.919323
USS	41583210	CSS	440361.4
CV	10.35708	Std Mean	1.466514
T:Mean=0	205.5	Pr>|T|	0.0001
Num ^= 0	453	Num > 0	453
M(Sign)	226.5	Pr>=|M|	0.0001
Sgn Rank	51415.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	390	99%	380
75% Q3	320	95%	350
50% Med	300	90%	340
25% Q1	280	10%	265
0% Min	110	5%	255
		1%	230

Range	280
Q3-Q1	40
Mode	280

Extremes

Lowest	Obs	Highest	Obs
110 (	278)	380 (	307)
200 (	50)	380 (	368)
220 (	207)	385 (	393)
225 (	56)	390 (	299)
230 (	258)	390 (	474)

Missing Value A
 Count 39
 % Count/Nobs 7.93

Variable=DOLVAT 10.2H DOPPLER ACCELERATION TIME

Moments

N	417	Sum Wgts	417
Mean	90.75779	Sum	37846
Std Dev	21.62222	Variance	467.5205
Skewness	2.146921	Kurtosis	18.57471
USS	3629308	CSS	194488.5
CV	23.82409	Std Mean	1.058845
T:Mean=0	85.71397	Pr>|T|	0.0001
Num ^= 0	417	Num > 0	417
M(Sign)	208.5	Pr>=|M|	0.0001
Sgn Rank	43576.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	295	99%	140
75% Q3	100	95%	128
50% Med	90	90%	115
25% Q1	80	10%	68
0% Min	25	5%	60
		1%	45

Range	270
Q3-Q1	20
Mode	80

Extremes

Lowest	Obs	Highest	Obs
25 (	377)	140 (	383)
40 (	457)	140 (	384)
40 (	399)	145 (	393)
45 (	154)	150 (	227)
45 (	49)	295 (	278)

Missing Value A
 Count 75
 % Count/Nobs 15.24

Variable=DOPPKV 10.2I DOPPLER PULMONARY PEAK VELOCITY

Moments

N	459	Sum Wgts	459
Mean	89.27015	Sum	40975
Std Dev	25.08573	Variance	629.2937
Skewness	2.000653	Kurtosis	10.27952
USS	3946061	CSS	288216.5
CV	28.10091	Std Mean	1.170901
T:Mean=0	76.24054	Pr>|T|	0.0001
Num ^= 0	459	Num > 0	459
M(Sign)	229.5	Pr>=|M|	0.0001
Sgn Rank	52785	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	279	99%	165
75% Q3	101	95%	128
50% Med	86	90%	118
25% Q1	72	10%	63
0% Min	44	5%	58
		1%	45

Range	235
Q3-Q1	29
Mode	100

Extremes

Lowest	Obs	Highest	Obs
44 (	325)	165 (	175)
44 (	36)	180 (	457)
45 (	361)	197 (	254)
45 (	318)	245 (	174)
45 (	302)	279 (	173)

Missing Value A
 Count 33
 % Count/Nobs 6.71

Variable=DORVPE 10.2J DOPPLER PULMONARY

RV-PET

Moments

N	365	Sum Wgts	365
Mean	93.62466	Sum	34173
Std Dev	16.63453	Variance	276.7076
Skewness	0.234879	Kurtosis	0.235663
USS	3300157	CSS	100721.6
CV	17.76725	Std Mean	0.870691
T:Mean=0	107.5291	Pr>|T|	0.0001
Num ^= 0	365	Num > 0	365
M(Sign)	182.5	Pr>=|M|	0.0001
Sgn Rank	33397.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	160	99%	130
75% Q3	105	95%	120
50% Med	95	90%	115
25% Q1	80	10%	72
0% Min	50	5%	67
		1%	60

Range	110
Q3-Q1	25
Mode	90

Extremes

Lowest	Obs	Highest	Obs
50 (	158)	130 (	424)
56 (	218)	130 (	446)
57 (	258)	135 (	327)
60 (	487)	145 (	60)
60 (	284)	160 (	449)

Missing Value A
 Count 127
 % Count/Nobs 25.81

Variable=DORVET 10.2K DOPPLER PULMONARY RVET

Moments

N	434	Sum Wgts	434
Mean	330.5161	Sum	143444
Std Dev	37.65286	Variance	1417.738
Skewness	-0.27206	Kurtosis	0.383551
USS	48024436	CSS	613880.4
CV	11.39214	Std Mean	1.807395
T:Mean=0	182.8688	Pr>|T|	0.0001
Num ^= 0	434	Num > 0	434
M(Sign)	217	Pr>=|M|	0.0001
Sgn Rank	47197.5	Pr>=|S|	0.0001

Quantiles (Def=5)

100% Max	440	99%	410
75% Q3	356	95%	390
50% Med	330	90%	376
25% Q1	308	10%	281
0% Min	200	5%	268
		1%	230

Range	240
Q3-Q1	48
Mode	320

Extremes

Lowest	Obs	Highest	Obs
200 (	50)	410 (	174)
200 (	47)	410 (	370)
220 (	214)	416 (	14)
225 (	348)	430 (	474)
230 (	51)	440 (	491)

Missing Value A
 Count 58
 % Count/Nobs 11.79

Variable=DOACCT 10.2L DOPPLER PULMONARY ACCEL TIME

Moments

N	397	Sum Wgts	397
Mean	132.2972	Sum	52522

Std Dev 34.64666 Variance 1200.391
 Skewness 0.001955 Kurtosis -0.29664
 USS 7423870 CSS 475354.9
 CV 26.1885 Std Mean 1.738866
 T:Mean=0 76.08247 Pr>|T| 0.0001
 Num ^= 0 397 Num > 0 397
 M(Sign) 198.5 Pr>=|M| 0.0001
 Sgn Rank 39501.5 Pr>=|S| 0.0001

Range 186
 Q3-Q1 45
 Mode 140

Extremes

Lowest	Obs	Highest	Obs
44 (	197)	210 (	139)
55 (	41)	210 (	263)
60 (	175)	210 (	370)
60 (	144)	225 (	367)
60 (	75)	230 (	274)

Quantiles (Def=5)

Percentile	Value	Percentile	Value
100% Max	230	99%	210
75% Q3	155	95%	190
50% Med	135	90%	179
25% Q1	110	10%	85
0% Min	44	5%	70
		1%	60

Missing Value A
 Count 95
 % Count/Nobs 19.31

Variable=DOTRPF 10.2M DOPPLER TRICUSPID PEAK VELOCITY

Moments

N 102 Sum Wgts 102
 Mean 2.289216 Sum 233.5
 Std Dev 0.489879 Variance 0.239982
 Skewness -0.08201 Kurtosis 1.033367
 USS 558.77 CSS 24.23814
 CV 21.39943 Std Mean 0.048505
 T:Mean=0 47.1952 Pr>|T| 0.0001
 Num ^= 0 102 Num > 0 102
 M(Sign) 51 Pr>=|M| 0.0001
 Sgn Rank 2626.5 Pr>=|S| 0.0001

Quantiles (Def=5)

Percentile	Value	Percentile	Value
100% Max	3.7	99%	3.6
75% Q3	2.6	95%	3.1
50% Med	2.3	90%	2.8
25% Q1	2	10%	1.7
0% Min	0.9	5%	1.4
		1%	1

Range 2.8
 Q3-Q1 0.6
 Mode 2.5

Extremes

Lowest	Obs	Highest	Obs
0.9 (	69)	3.1 (	174)
1 (	52)	3.3 (	288)
1.2 (	247)	3.3 (	351)
1.3 (	452)	3.6 (	396)
1.3 (	221)	3.7 (	373)

390 Missing Values

Missing Value A C
 Count 389 1
 % Count/Nobs 79.07 0.20
 % Count/Nmiss 99.74 0.26

10.3 DOPPLER ECHO QUALITY

ECDOQUAL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
? NO HARD COPY	4	0.8	4	0.8
FAIR	245	49.8	249	50.6
GOOD	149	30.3	398	80.9
GOOD (NO EKG)	1	0.2	399	81.1
INCOMPLETE	1	0.2	400	81.3
MISSING	24	4.9	424	86.2
MISSING, REASON	4	0.8	428	87.0
N/A	4	0.8	432	87.8
NO HARD COPY	4	0.8	436	88.6
NOT SEEN	1	0.2	437	88.8
POOR	55	11.2	492	100.0

10.4 DOPPLER INTERPRETATION

ECDOINT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MISSING	1	.	.	.
MISSING, REASON	2	.	.	.
NOT APPLICABLE	3	.	.	.

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1-NORMAL	305	62.8	305	62.8
2-ABNORMAL	181	37.2	486	100.0

Frequency Missing = 6

10.5a DOPPLER ECHO DIAGNOSIS

ECDODX1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
? ASD-SMALL	1	0.2	1	0.2
? DIAST DYSF	1	0.2	2	0.4
? PULMONARY HYPE	3	0.6	5	1.0
?DIAST DYSF (E/A	1	0.2	6	1.2
?PULMONARY HYPER	1	0.2	7	1.4
ABN DIASTOLIC FU	1	0.2	8	1.6
ABN SYSTOLIC FUN	1	0.2	9	1.8
AO INSUFFICIENCY	5	1.0	14	2.8
AO STENOSIS-MILD	2	0.4	16	3.3
AO STENOSIS-MOD	1	0.2	17	3.5
AR-MILD	5	1.0	22	4.5
AR-TRACE	1	0.2	23	4.7
BUNDLE BRANCH BL	1	0.2	24	4.9
DECR PULM ACCEL	4	0.8	28	5.7
DIAST DYSF	2	0.4	30	6.1
DIAST DYSF (ABNO	1	0.2	31	6.3
DIAST DYSF (E/A	70	14.2	101	20.5
DIAST DYSF (E/A=	2	0.4	103	20.9
ELEVATED RV PRES	1	0.2	104	21.1
INCR LV OUTFLOW	1	0.2	105	21.3
INCR LV PEAK VEL	1	0.2	106	21.5
INCR LV PRE-EJEC	2	0.4	108	22.0
INCR MITRAL PEAK	1	0.2	109	22.2
INCR MITRAL VELO	1	0.2	110	22.4
INCR PEAK E	2	0.4	112	22.8
INCR PEAK E & A	1	0.2	113	23.0
INCR PULM VELOCI	1	0.2	114	23.2
LONG LV PRE-EJEC	1	0.2	115	23.4
LONG PRE-EJECT T	1	0.2	116	23.6
LONG PULM PRE-EJ	2	0.4	118	24.0
MITRAL INSUFFICI	1	0.2	119	24.2
MR	7	1.4	126	25.6
MR-MILD	24	4.9	150	30.5
MR-MILD TO MOD	2	0.4	152	30.9
MR-MOD TO SEVERE	1	0.2	153	31.1
MR-MODERATE	3	0.6	156	31.7
MR-SEVERE	4	0.8	160	32.5
MR-TRACE	2	0.4	162	32.9
N/A	311	63.2	473	96.1
NO A WAVE DT ARR	1	0.2	474	96.3
PROLONGED LV PET	2	0.4	476	96.7
PROLONGED RVPET	1	0.2	477	97.0
PULMONARY HYPERT	2	0.4	479	97.4
PULMONIC STENOSI	2	0.4	481	97.8
RAPID PULM ACCEL	1	0.2	482	98.0
SHORT EJECT TIME	1	0.2	483	98.2
SHORT LV EJECT T	1	0.2	484	98.4
SHORT PULM ACCEL	2	0.4	486	98.8
SHORT RV EJECT T	2	0.4	488	99.2
TR-MILD	2	0.4	490	99.6
TR-SEVERE	2	0.4	492	100.0

10.5b DOPPLER ECHO DIAGNOSIS

ECDODX2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ABN DIASTOLIC FU	1	0.2	1	0.2
ABN SYSTOLIC FUN	1	0.2	2	0.4
AO INSUFFICIENCY	4	0.8	6	1.2
AO STENOSIS-MILD	1	0.2	7	1.4
AR-MILD	2	0.4	9	1.8
BUNDLE BRANCH BL	1	0.2	10	2.0
DCR LV OUTFLOW A	1	0.2	11	2.2
DECR PULM ACCEL	7	1.4	18	3.7
DIAST DYSF (E/A	7	1.4	25	5.1
ELEVATED RV PRES	2	0.4	27	5.5
INCR AO VELOCITY	1	0.2	28	5.7
INCR LV ACCEL TI	1	0.2	29	5.9
INCR LV OUTFLOW	1	0.2	30	6.1
INCR LV PRE-EJEC	1	0.2	31	6.3

INCR RV PRE-EJEC	1	0.2	32	6.5
LONG RV PRE-EJEC	1	0.2	33	6.7
MITRAL INSUFFICI	1	0.2	34	6.9
MR	1	0.2	35	7.1
MR-MILD	7	1.4	42	8.5

10.5b DOPPLER ECHO DIAGNOSIS

(CONTINUED)

ECDODX2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MR-MILD TO MOD	1	0.2	43	8.7
N/A	432	87.8	475	96.5
PULM REGURG-SEVE	1	0.2	476	96.7
PULMONARY HYPERT	3	0.6	479	97.4
SHORT LV EJECT T	4	0.8	483	98.2
SHORT RV ACCEL T	2	0.4	485	98.6
SHORT RV EJECT T	1	0.2	486	98.8
TR-MILD	4	0.8	490	99.6
TR-MODERATE	1	0.2	491	99.8
TR-SEVERE	1	0.2	492	100.0

10.5c DOPPLER ECHO DIAGNOSIS

ECDODX3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
? PULMONARY HYPE	1	0.2	1	0.2
CHF	1	0.2	2	0.4
DECR PULM ACCEL	2	0.4	4	0.8
DECR RV ACCEL TI	1	0.2	5	1.0
DIAST DYSF (E/A)	2	0.4	7	1.4
INCR LV OUTFLOW	1	0.2	8	1.6
INCR PULM VELOCI	1	0.2	9	1.8
INCR RV PRESSURE	1	0.2	10	2.0
MR-MILD	1	0.2	11	2.2
N/A	476	96.7	487	99.0
PROLONGED LV PET	1	0.2	488	99.2
PROLONGED RV PET	1	0.2	489	99.4
SHORT RV ACCEL T	1	0.2	490	99.6
TR-MILD	2	0.4	492	100.0

10.5d DOPPLER ECHO DIAGNOSIS

ECDODX4	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DECR PULM ACCEL	1	0.2	1	0.2
INCR PULM TIME I	1	0.2	2	0.4
N/A	487	99.0	489	99.4
PULMONARY HYPERT	2	0.4	491	99.8
SHORT RV EJECT T	1	0.2	492	100.0

10.5 DOPPLER ECHO READER

ECDOINTR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
WC	492	100.0	492	100.0

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DOPPLER ECHO COMMENTS

ECDOCOMM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
LIMITED STUDY	1	0.2	1	0.2
NO ECG FOR PRE-E	1	0.2	2	0.4
NO TRACINGS SENT	4	0.8	6	1.2
NONE	483	98.2	489	99.4
PULMONARY MEASUR	1	0.2	490	99.6
STANDARDIZATION	1	0.2	491	99.8
TRACE MR	1	0.2	492	100.0

ECHO INSTITUTIONAL REPORTS RECEIVED

ECIRPT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MISSING, REASON	41	.	.	.
1-NO	66	14.6	66	14.6
2-YES	385	85.4	451	100.0

Frequency Missing = 41

CENTRAL QC REVIEW RESULTS

QCREVIEW	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1 NOT REVIEWED	16	3.3	16	3.3
2 REVIEWED, AGREE	456	92.7	472	95.9
3 REVIEWED, DISAG	20	4.1	492	100.0

CENTRAL REVIEW DIFFERENCES RESOLVED

RESOLVED	Frequency	Percent	Cumulative Frequency	Cumulative Percent
MISSING	16	.	.	.
NOT APPLICABLE	456	.	.	.
2-YES	20	100.0	20	100.0

Frequency Missing = 472

QUALITY CONTROL FLAG

QCFLAG	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2-QC DONE	492	100.0	492	100.0

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OF DISCREPENCIES BTWN ENTRY & QC

QCERR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	372	75.6	372	75.6
1	74	15.0	446	90.7
2	34	6.9	480	97.6
3	7	1.4	487	99.0
4	3	0.6	490	99.6
5	1	0.2	491	99.8
7	1	0.2	492	100.0

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DELETED**

EDIT FLAG

EFLAG	Frequency	Percent	Cumulative Frequency	Cumulative Percent
3-EDITS, ALL UPD	20	4.1	20	4.1
.	472	95.9	492	100.0

DELETED