

The FREQ Procedure

FRAX 10 year probability of hip fracture with BMD >3%

WOHIPW3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	3	.	.	.
0: No	4623	77.17	4623	77.17
1: Yes	1368	22.83	5991	100.00
Frequency Missing = 3				

FRAX 10 year probability of hip fracture with BMD >3

WOHIPW3SQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	4585	.	.	.
A:Missing	3	.	.	.
1: Yes	1406	100.00	1406	100.00
Frequency Missing = 4588				

FRAX 10 year probability of hip fracture without BMD >3%

WOHIPWO3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	2	.	.	.
0: No	3562	59.45	3562	59.45
1: Yes	2430	40.55	5992	100.00
Frequency Missing = 2				

FRAX 10 year probability of hip fracture without BMD >3

WOHIPWO3SQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	2	.	.	.
0: No	3501	58.43	3501	58.43
1: Yes	2491	41.57	5992	100.00
Frequency Missing = 2				

MISSING ANY RISK FACTOR DATA(NOT INC BMD)

WOMISS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0: No	4365	72.82	4365	72.82
1: Yes	1629	27.18	5994	100.00

The FREQ Procedure

*FRAX 10 year probability of major osteoporotic fracture with
BMD >=20%*

WOOSTW20	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	3	.	.	.
0: No	5857	97.76	5857	97.76
1: Yes	134	2.24	5991	100.00
Frequency Missing = 3				

*FRAX 10 year probability of major osteoporotic fracture with
BMD >=20*

WOOSTW20SQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	3	.	.	.
0: No	5845	97.56	5845	97.56
1: Yes	146	2.44	5991	100.00
Frequency Missing = 3				

*FRAX 10 year probability of major osteoporotic fracture without
BMD >=20%*

WOOSTWO20	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	2	.	.	.
0: No	5805	96.88	5805	96.88
1: Yes	187	3.12	5992	100.00
Frequency Missing = 2				

*FRAX 10 year probability of major osteoporotic fracture without
BMD >=20*

WOOSTWO20SQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	2	.	.	.
0: No	5788	96.60	5788	96.60
1: Yes	204	3.40	5992	100.00
Frequency Missing = 2				

The UNIVARIATE Procedure

Variable: WOHIPW (10-YR PROB OF HIP FX, WITH BMD (MISSING=NO))

Moments			
N	5991	Sum Weights	5991
Mean	2.36023535	Sum Observations	14140.17
Std Deviation	3.21138128	Variance	10.3129697
Skewness	4.38887549	Kurtosis	28.8469567
Uncorrected SS	95148.8179	Corrected SS	61774.6888
Coeff Variation	136.061909	Std Error Mean	0.04148988

Basic Statistical Measures			
Location		Variability	
Mean	2.360235	Std Deviation	3.21138
Median	1.420000	Variance	10.31297
Mode	0.400000	Range	42.77000
		Interquartile Range	2.16000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	56.88701	Pr > t	<.0001
Sign	M	2994.5	Pr >= M	<.0001
Signed Rank	S	8968528	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	42.77
99%	17.02
95%	7.46
90%	4.89
75% Q3	2.82
50% Median	1.42
25% Q1	0.66
10%	0.31
5%	0.18
1%	0.06
0% Min	0.00

The UNIVARIATE Procedure

Variable: WOHIPW (10-YR PROB OF HIP FX, WITH BMD (MISSING=NO))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.00	PI5117	3586	34.18	BI0031	30
0.00	MN1940	1408	36.62	PI5427	3896
0.01	SD8841	5817	36.64	BI0705	697
0.01	SD8486	5462	38.92	SD8577	5553
0.01	PO6848	4317	42.77	PI4554	3023

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	3	0.05	100.00

The UNIVARIATE Procedure

Variable: WOHIPWO (10-YR PROB OF HIP FX, W/O BMD (MISSING=NO))

Moments			
N	5992	Sum Weights	5992
Mean	3.51973131	Sum Observations	21090.23
Std Deviation	3.70762612	Variance	13.7464914
Skewness	3.38689128	Kurtosis	19.1564595
Uncorrected SS	156587.173	Corrected SS	82355.2301
Coeff Variation	105.338328	Std Error Mean	0.04789719

Basic Statistical Measures			
Location		Variability	
Mean	3.519731	Std Deviation	3.70763
Median	2.400000	Variance	13.74649
Mode	0.940000	Range	55.28000
		Interquartile Range	3.16000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	73.48513	Pr > t	<.0001
Sign	M	2996	Pr >= M	<.0001
Signed Rank	S	8977514	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	55.44
99%	19.34
95%	10.19
90%	7.21
75% Q3	4.40
50% Median	2.40
25% Q1	1.24
10%	0.79
5%	0.64
1%	0.37
0% Min	0.16

The UNIVARIATE Procedure

Variable: WOHIPWO (10-YR PROB OF HIP FX, W/O BMD (MISSING=NO))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.16	MN2043	1511	33.88	PO7363	4828
0.17	BI0974	963	34.26	MN2245	1713
0.18	PI5078	3547	36.13	MN1781	1249
0.18	BI0669	661	36.56	PI5427	3896
0.19	PI4951	3420	55.44	PA3561	2532

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	2	0.03	100.00

The UNIVARIATE Procedure

Variable: WOHIPWOSQ (10-YR PROB OF HIP FX, W/O BMD (MISSING=NO)(INCLUDES SQ IN PRIOR FX))

Moments			
N	5992	Sum Weights	5992
Mean	3.61270194	Sum Observations	21647.31
Std Deviation	3.79748645	Variance	14.4209033
Skewness	3.35162773	Kurtosis	18.5569273
Uncorrected SS	164600.911	Corrected SS	86395.632
Coeff Variation	105.114856	Std Error Mean	0.04905806

Basic Statistical Measures			
Location		Variability	
Mean	3.612702	Std Deviation	3.79749
Median	2.450000	Variance	14.42090
Mode	0.940000	Range	55.28000
		Interquartile Range	3.23500

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	73.64136	Pr > t	<.0001
Sign	M	2996	Pr >= M	<.0001
Signed Rank	S	8977514	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	55.440
99%	19.600
95%	10.420
90%	7.410
75% Q3	4.520
50% Median	2.450
25% Q1	1.285
10%	0.790
5%	0.640
1%	0.370
0% Min	0.160

The UNIVARIATE Procedure
Variable: WOHIPWOSQ (10-YR PROB OF HIP FX, W/O BMD (MISSING=NO)(INCLUDES SQ IN PRIOR FX))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.16	MN2043	1511	34.26	MN2245	1713
0.17	BI0974	963	36.09	PA3680	2651
0.18	PI5078	3547	36.13	MN1781	1249
0.18	BI0669	661	36.56	PI5427	3896
0.19	PI4951	3420	55.44	PA3561	2532

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	2	0.03	100.00

The UNIVARIATE Procedure

Variable: WOHIPWSQ (10-YR PROB OF HIP FX, WITH BMD (MISSING=NO)(INCLUDES SQ IN PRIOR FX))

Moments			
N	5991	Sum Weights	5991
Mean	2.40284427	Sum Observations	14395.44
Std Deviation	3.28212149	Variance	10.7723215
Skewness	4.60740988	Kurtosis	34.4692541
Uncorrected SS	99116.2062	Corrected SS	64526.2057
Coeff Variation	136.593184	Std Error Mean	0.04240382

Basic Statistical Measures			
Location		Variability	
Mean	2.402844	Std Deviation	3.28212
Median	1.440000	Variance	10.77232
Mode	0.400000	Range	54.90000
		Interquartile Range	2.22000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	56.66575	Pr > t	<.0001
Sign	M	2994.5	Pr >= M	<.0001
Signed Rank	S	8968528	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	54.90
99%	17.05
95%	7.53
90%	4.99
75% Q3	2.88
50% Median	1.44
25% Q1	0.66
10%	0.31
5%	0.18
1%	0.06
0% Min	0.00

The UNIVARIATE Procedure

Variable: WOHIPWSQ (10-YR PROB OF HIP FX, WITH BMD (MISSING=NO)(INCLUDES SQ IN PRIOR FX))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.00	PI5117	3586	34.22	PA3680	2651
0.00	MN1940	1408	36.62	PI5427	3896
0.01	SD8841	5817	36.64	BI0705	697
0.01	SD8486	5462	38.92	SD8577	5553
0.01	PO6848	4317	54.90	PI4554	3023

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	3	0.05	100.00

The UNIVARIATE Procedure

Variable: WOOSTW (10-YR PROB OF OSTEOPOROTIC FX, WITH BMD (MISSING=NO))

Moments			
N	5991	Sum Weights	5991
Mean	7.66583542	Sum Observations	45926.02
Std Deviation	4.46712422	Variance	19.9551988
Skewness	2.4448089	Kurtosis	10.9330572
Uncorrected SS	471592.952	Corrected SS	119531.641
Coeff Variation	58.2731559	Std Error Mean	0.05771363

Basic Statistical Measures			
Location		Variability	
Mean	7.665835	Std Deviation	4.46712
Median	6.500000	Variance	19.95520
Mode	5.140000	Range	54.23000
		Interquartile Range	4.34000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	132.8254	Pr > t	<.0001
Sign	M	2995.5	Pr >= M	<.0001
Signed Rank	S	8974518	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	55.27
99%	23.96
95%	15.93
90%	12.92
75% Q3	9.17
50% Median	6.50
25% Q1	4.83
10%	3.82
5%	3.06
1%	1.66
0% Min	1.04

The UNIVARIATE Procedure

Variable: WOOSTW (10-YR PROB OF OSTEOPOROTIC FX, WITH BMD (MISSING=NO))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.04	MN2227	1695	42.58	BI0705	697
1.15	SD8486	5462	42.94	PO7047	4516
1.18	PO7467	4932	45.20	PI5427	3896
1.19	MN1894	1362	46.44	SD8577	5553
1.20	BI0823	814	55.27	PI4554	3023

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	3	0.05	100.00

The UNIVARIATE Procedure

Variable: WOOSTWO (10-YR PROB OF OSTEOPOROTIC FX, W/O BMD (MISSING=NO))

Moments			
N	5992	Sum Weights	5992
Mean	9.00746495	Sum Observations	53972.73
Std Deviation	4.7167454	Variance	22.2476872
Skewness	1.94176708	Kurtosis	7.00509201
Uncorrected SS	619443.368	Corrected SS	133285.894
Coeff Variation	52.3648488	Std Error Mean	0.06093356

Basic Statistical Measures			
Location		Variability	
Mean	9.007465	Std Deviation	4.71675
Median	7.735000	Variance	22.24769
Mode	6.060000	Range	57.02000
		Interquartile Range	5.01500

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	147.8244	Pr > t	<.0001
Sign	M	2996	Pr >= M	<.0001
Signed Rank	S	8977514	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	58.520
99%	25.560
95%	17.710
90%	15.110
75% Q3	10.815
50% Median	7.735
25% Q1	5.800
10%	4.840
5%	3.820
1%	2.260
0% Min	1.500

The UNIVARIATE Procedure
Variable: WOOSTWO (10-YR PROB OF OSTEOPOROTIC FX, W/O BMD (MISSING=NO))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.50	MN2043	1511	39.57	PI4859	3328
1.50	BI0974	963	41.24	MN2245	1713
1.53	BI0670	662	43.05	MN1781	1249
1.63	BI0669	661	44.11	PI5427	3896
1.64	MN2022	1490	58.52	PA3561	2532

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	2	0.03	100.00

The UNIVARIATE Procedure

Variable: WOOSTWOSQ (10-YR PROB OF OSTEOPOROTIC FX, W/O BMD (MISSING=NO)(INCLUDES SQ IN PRIOR FX))

Moments			
N	5992	Sum Weights	5992
Mean	9.2437984	Sum Observations	55388.84
Std Deviation	4.87293223	Variance	23.7454685
Skewness	1.86518002	Kurtosis	6.4343293
Uncorrected SS	654262.372	Corrected SS	142259.102
Coeff Variation	52.7156913	Std Error Mean	0.06295127

Basic Statistical Measures			
Location		Variability	
Mean	9.243798	Std Deviation	4.87293
Median	7.995000	Variance	23.74547
Mode	6.060000	Range	57.02000
		Interquartile Range	5.32500

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	146.8405	Pr > t	<.0001
Sign	M	2996	Pr >= M	<.0001
Signed Rank	S	8977514	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	58.520
99%	26.410
95%	18.130
90%	15.510
75% Q3	11.185
50% Median	7.995
25% Q1	5.860
10%	4.890
5%	3.860
1%	2.270
0% Min	1.500

The UNIVARIATE Procedure

Variable: WOOSTWOSQ (10-YR PROB OF OSTEOPOROTIC FX, W/O BMD (MISSING=NO))(INCLUDES SQ IN PRIOR FX))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.50	MN2043	1511	41.24	MN2245	1713
1.50	BI0974	963	42.32	PA3680	2651
1.53	BI0670	662	43.05	MN1781	1249
1.63	BI0669	661	44.11	PI5427	3896
1.64	MN2022	1490	58.52	PA3561	2532

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	2	0.03	100.00

The UNIVARIATE Procedure

Variable: WOOSTWSQ (10-YR PROB OF OSTEOPOROTIC FX, WITH BMD (MISSING=NO)(INCLUDES SQ IN PRIOR FX))

Moments			
<i>N</i>	5991	<i>Sum Weights</i>	5991
<i>Mean</i>	7.8214672	<i>Sum Observations</i>	46858.41
<i>Std Deviation</i>	4.60140081	<i>Variance</i>	21.1728894
<i>Skewness</i>	2.50169519	<i>Kurtosis</i>	12.7583574
<i>Uncorrected SS</i>	493327.124	<i>Corrected SS</i>	126825.607
<i>Coeff Variation</i>	58.8304047	<i>Std Error Mean</i>	0.05944843

Basic Statistical Measures			
Location		Variability	
<i>Mean</i>	7.821467	<i>Std Deviation</i>	4.60140
<i>Median</i>	6.610000	<i>Variance</i>	21.17289
<i>Mode</i>	5.140000	<i>Range</i>	66.71000
		<i>Interquartile Range</i>	4.56000

Tests for Location: Mu0=0				
<i>Test</i>	<i>Statistic</i>		<i>p Value</i>	
<i>Student's t</i>	<i>t</i>	131.5673	<i>Pr > t </i>	<.0001
<i>Sign</i>	<i>M</i>	2995.5	<i>Pr >= M </i>	<.0001
<i>Signed Rank</i>	<i>S</i>	8974518	<i>Pr >= S </i>	<.0001

Quantiles (Definition 5)	
<i>Level</i>	<i>Quantile</i>
100% Max	67.75
99%	24.72
95%	16.44
90%	13.22
75% Q3	9.43
50% Median	6.61
25% Q1	4.87
10%	3.86
5%	3.08
1%	1.67
0% Min	1.04

The UNIVARIATE Procedure
Variable: WOOSTWSQ (10-YR PROB OF OSTEOPOROTIC FX, WITH BMD (MISSING=NO)(INCLUDES SQ IN PRIOR FX))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.04	MN2227	1695	42.58	BI0705	697
1.15	SD8486	5462	42.94	PO7047	4516
1.18	PO7467	4932	45.20	PI5427	3896
1.19	MN1894	1362	46.44	SD8577	5553
1.20	BI0823	814	67.75	PI4554	3023

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	3	0.05	100.00