

The FREQ Procedure

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

WOHIPW3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	60	.	.	.
0: No	2987	66.82	2987	66.82
1: Yes	1483	33.18	4470	100.00
<i>Frequency Missing = 60</i>				

FRAX 10 year probability of hip fracture with BMD >3

WOHIPW3SQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	2959	.	.	.
A:Missing	60	.	.	.
1: Yes	1511	100.00	1511	100.00
<i>Frequency Missing = 3019</i>				

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

WOHIPWO3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	10	.	.	.
0: No	1661	36.75	1661	36.75
1: Yes	2859	63.25	4520	100.00
<i>Frequency Missing = 10</i>				

FRAX 10 year probability of hip fracture without BMD >3

WOHIPWO3SQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	10	.	.	.
0: No	1605	35.51	1605	35.51
1: Yes	2915	64.49	4520	100.00
<i>Frequency Missing = 10</i>				

MISSING ANY RISK FACTOR DATA (NOT INC BMD)

WOMISS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0: No	3420	75.50	3420	75.50
1: Yes	1110	24.50	4530	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	60	.	.	.
0: No	4319	96.62	4319	96.62
1: Yes	151	3.38	4470	100.00
<i>Frequency Missing = 60</i>				

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

WOOSTW20SQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	60	.	.	.
0: No	4303	96.26	4303	96.26
1: Yes	167	3.74	4470	100.00
<i>Frequency Missing = 60</i>				

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

WOOSTWO20	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	10	.	.	.
0: No	4242	93.85	4242	93.85
1: Yes	278	6.15	4520	100.00
<i>Frequency Missing = 10</i>				

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

WOOSTWO20SQ	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	10	.	.	.
0: No	4218	93.32	4218	93.32
1: Yes	302	6.68	4520	100.00
<i>Frequency Missing = 10</i>				

The UNIVARIATE Procedure

Variable: WOHIPW (10-YR PROB OF HIP FX, WITH BMD)

Moments			
N	4470	Sum Weights	4470
Mean	3.14163311	Sum Observations	14043.1
Std Deviation	3.75607729	Variance	14.1081166
Skewness	3.47359352	Kurtosis	16.4979167
Uncorrected SS	107167.441	Corrected SS	63049.1733
Coeff Variation	119.558114	Std Error Mean	0.05617987

Basic Statistical Measures			
Location		Variability	
Mean	3.141633	Std Deviation	3.75608
Median	2.055000	Variance	14.10812
Mode	0.600000	Range	41.51000
		Interquartile Range	2.61000

Note: The mode displayed is the smallest of 2 modes with a count of 21.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	55.92097	Pr > t	<.0001
Sign	M	2235	Pr >= M	<.0001
Signed Rank	S	4996343	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	41.520
99%	20.430
95%	10.080
90%	6.450
75% Q3	3.670
50% Median	2.055
25% Q1	1.060
10%	0.555
5%	0.330
1%	0.130
0% Min	0.010

The UNIVARIATE Procedure
Variable: WOHIPW (10-YR PROB OF HIP FX, WITH BMD)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.01	SD8486	4122	31.05	BI0705	505
0.01	PI5117	2711	32.83	MN2174	1234
0.02	PO6848	3262	34.38	MN1930	1054
0.03	PO7201	3525	35.79	PI5427	2947
0.03	PO7153	3483	41.52	SD8313	3998

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	60	1.32	100.00

The UNIVARIATE Procedure

Variable: WOHIPWO (10-YR PROB OF HIP FX, W/O BMD)

Moments			
<i>N</i>	4520	<i>Sum Weights</i>	4520
<i>Mean</i>	5.1261615	<i>Sum Observations</i>	23170.25
<i>Std Deviation</i>	4.62727595	<i>Variance</i>	21.4116827
<i>Skewness</i>	2.79219228	<i>Kurtosis</i>	11.2415311
<i>Uncorrected SS</i>	215533.838	<i>Corrected SS</i>	96759.3941
<i>Coeff Variation</i>	90.2678533	<i>Std Error Mean</i>	0.06882658

Basic Statistical Measures			
Location		Variability	
<i>Mean</i>	5.126162	<i>Std Deviation</i>	4.62728
<i>Median</i>	3.830000	<i>Variance</i>	21.41168
<i>Mode</i>	3.110000	<i>Range</i>	46.07000
		<i>Interquartile Range</i>	3.89500

Note: The mode displayed is the smallest of 3 modes with a count of 16.

Tests for Location: $\mu_0=0$				
Test		Statistic	<i>p</i> Value	
<i>Student's t</i>	<i>t</i>	74.47939	<i>Pr</i> > <i>t</i>	<.0001
<i>Sign</i>	<i>M</i>	2260	<i>Pr</i> >= <i>M</i>	<.0001
<i>Signed Rank</i>	<i>S</i>	5108730	<i>Pr</i> >= <i>S</i>	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	46.310
99%	24.270
95%	14.385
90%	9.950
75% Q3	6.165
50% Median	3.830
25% Q1	2.270
10%	1.400
5%	1.140
1%	0.690
0% Min	0.240

The UNIVARIATE Procedure

Variable: WOHIPWO (10-YR PROB OF HIP FX, W/O BMD)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.24	BI0974	697	37.36	PI5157	2742
0.25	MN2043	1139	37.41	MN2245	1292
0.34	PI4951	2580	41.12	PI5427	2947
0.35	MN2185	1243	42.25	MN1781	932
0.35	BI0375	282	46.31	BI0841	605

Missing Values				
Percent Of				
Missing Value	Count	All Obs	Missing Obs	
A	10	0.22	100.00	

The UNIVARIATE Procedure

Variable: WOHIPWOSQ (10-YR PROB OF HIP FX, W/O BMD (INCLUDES SQ IN PRIOR FX))

Moments			
N	4520	Sum Weights	4520
Mean	5.2634823	Sum Observations	23790.94
Std Deviation	4.78008362	Variance	22.8491994
Skewness	2.86311806	Kurtosis	12.0665706
Uncorrected SS	228478.724	Corrected SS	103255.532
Coeff Variation	90.8159912	Std Error Mean	0.07109946

Basic Statistical Measures			
Location		Variability	
Mean	5.263482	Std Deviation	4.78008
Median	3.930000	Variance	22.84920
Mode	3.180000	Range	46.41000
		Interquartile Range	4.01500

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	74.02985	Pr > t	<.0001
Sign	M	2260	Pr >= M	<.0001
Signed Rank	S	5108730	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	46.650
99%	24.430
95%	14.620
90%	10.330
75% Q3	6.355
50% Median	3.930
25% Q1	2.340
10%	1.430
5%	1.150
1%	0.690
0% Min	0.240

The UNIVARIATE Procedure

Variable: WOHIPWOSQ (10-YR PROB OF HIP FX, W/O BMD (INCLUDES SQ IN PRIOR FX))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.24	BI0974	697	41.12	PI5427	2947
0.25	MN2043	1139	41.68	PO6558	3048
0.34	PI4951	2580	42.25	MN1781	932
0.35	MN2185	1243	46.31	BI0841	605
0.35	BI0375	282	46.65	PA3680	2018

Missing Values				
Percent Of				
Missing Value	Count	All Obs	Missing Obs	
A	10	0.22	100.00	

The UNIVARIATE Procedure

Variable: WOHIPWSQ (10-YR PROB OF HIP FX, WITH BMD (INCLUDES SQ IN PRIOR FX))

Moments			
N	4470	Sum Weights	4470
Mean	3.1990962	Sum Observations	14299.96
Std Deviation	3.81769719	Variance	14.5748118
Skewness	3.41433047	Kurtosis	15.8694114
Uncorrected SS	110881.782	Corrected SS	65134.8339
Coeff Variation	119.336742	Std Error Mean	0.05710153

Basic Statistical Measures			
Location		Variability	
Mean	3.199096	Std Deviation	3.81770
Median	2.085000	Variance	14.57481
Mode	0.600000	Range	41.51000
		Interquartile Range	2.68000

Note: The mode displayed is the smallest of 2 modes with a count of 21.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	56.02471	Pr > t	<.0001
Sign	M	2235	Pr >= M	<.0001
Signed Rank	S	4996343	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	41.520
99%	20.470
95%	10.330
90%	6.565
75% Q3	3.750
50% Median	2.085
25% Q1	1.070
10%	0.565
5%	0.340
1%	0.130
0% Min	0.010

The UNIVARIATE Procedure

Variable: WOHIPWSQ (10-YR PROB OF HIP FX, WITH BMD (INCLUDES SQ IN PRIOR FX))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.01	SD8486	4122	31.05	BI0705	505
0.01	PI5117	2711	32.83	MN2174	1234
0.02	PO6848	3262	34.38	MN1930	1054
0.03	PO7201	3525	35.79	PI5427	2947
0.03	PO7153	3483	41.52	SD8313	3998

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	60	1.32	100.00

The UNIVARIATE Procedure

Variable: WOOSTW (10-YR PROB OF OSTEOPOROTIC FX, WITH BMD)

Moments			
N	4470	Sum Weights	4470
Mean	8.32430649	Sum Observations	37209.65
Std Deviation	4.87548596	Variance	23.7703633
Skewness	2.22949059	Kurtosis	7.87744055
Uncorrected SS	415974.284	Corrected SS	106229.754
Coeff Variation	58.569275	Std Error Mean	0.07292294

Basic Statistical Measures			
Location		Variability	
Mean	8.324306	Std Deviation	4.87549
Median	6.980000	Variance	23.77036
Mode	5.750000	Range	52.20000
		Interquartile Range	4.62000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	114.1521	Pr > t	<.0001
Sign	M	2235	Pr >= M	<.0001
Signed Rank	S	4996343	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	53.19
99%	27.28
95%	17.47
90%	14.02
75% Q3	9.89
50% Median	6.98
25% Q1	5.27
10%	4.07
5%	3.31
1%	1.87
0% Min	0.99

The UNIVARIATE Procedure

Variable: WOOSTW (10-YR PROB OF OSTEOPOROTIC FX, WITH BMD)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.99	MN2227	1279	38.69	BI0841	605
1.08	SD8486	4122	39.87	MN2174	1234
1.09	BI0196	145	41.10	MN1930	1054
1.16	MN2278	1320	43.57	PI5427	2947
1.17	BI0167	127	53.19	SD8313	3998

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	60	1.32	100.00

The UNIVARIATE Procedure

Variable: WOOSTWO (10-YR PROB OF OSTEOPOROTIC FX, W/O BMD)

Moments			
N	4520	Sum Weights	4520
Mean	10.6528562	Sum Observations	48150.91
Std Deviation	5.50262012	Variance	30.2788282
Skewness	1.84977421	Kurtosis	5.41332133
Uncorrected SS	649774.744	Corrected SS	136830.024
Coeff Variation	51.6539416	Std Error Mean	0.08184654

Basic Statistical Measures			
Location		Variability	
Mean	10.65286	Std Deviation	5.50262
Median	9.32000	Variance	30.27883
Mode	6.79000	Range	50.99000
		Interquartile Range	6.02500

Note: The mode displayed is the smallest of 2 modes with a count of 12.

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	130.1565	$Pr > t $	<.0001
Sign	M	2260	$Pr \geq M $	<.0001
Signed Rank	S	5108730	$Pr \geq S $	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	52.550
99%	30.940
95%	21.315
90%	17.385
75% Q3	12.905
50% Median	9.320
25% Q1	6.880
10%	5.660
5%	4.770
1%	2.730
0% Min	1.560

The UNIVARIATE Procedure
Variable: WOOSTWO (10-YR PROB OF OSTEOPOROTIC FX, W/O BMD)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.56	BI0974	697	43.57	PA3605	1967
1.59	MN2043	1139	44.20	PI5157	2742
1.89	MN2022	1124	46.86	MN1781	932
1.92	MN2278	1320	47.36	PI5427	2947
1.95	MN2185	1243	52.55	BI0841	605

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	10	0.22	100.00

The UNIVARIATE Procedure

Variable: WOOSTWOSQ (10-YR PROB OF OSTEOPOROTIC FX, W/O BMD (INCLUDES SQ IN PRIOR FX))

Moments			
N	4520	Sum Weights	4520
Mean	10.9427168	Sum Observations	49461.08
Std Deviation	5.69374985	Variance	32.4187874
Skewness	1.85099946	Kurtosis	5.60949805
Uncorrected SS	687739.092	Corrected SS	146500.5
Coeff Variation	52.0323239	Std Error Mean	0.08468942

Basic Statistical Measures			
Location		Variability	
Mean	10.94272	Std Deviation	5.69375
Median	9.58500	Variance	32.41879
Mode	6.79000	Range	50.99000
		Interquartile Range	6.37000

Note: The mode displayed is the smallest of 2 modes with a count of 12.

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	129.21	$Pr > t $	<.0001
Sign	M	2260	$Pr \geq M $	<.0001
Signed Rank	S	5108730	$Pr \geq S $	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	52.550
99%	31.190
95%	22.130
90%	17.675
75% Q3	13.400
50% Median	9.585
25% Q1	7.030
10%	5.710
5%	4.815
1%	2.730
0% Min	1.560

The UNIVARIATE Procedure

Variable: WOOSTWOSQ (10-YR PROB OF OSTEOPOROTIC FX, W/O BMD (INCLUDES SQ IN PRIOR FX))

<i>Extreme Observations</i>					
<i>Lowest</i>			<i>Highest</i>		
<i>Value</i>	<i>ID</i>	<i>Obs</i>	<i>Value</i>	<i>ID</i>	<i>Obs</i>
1.56	BI0974	697	46.86	MN1781	932
1.59	MN2043	1139	47.31	PO6558	3048
1.89	MN2022	1124	47.36	PI5427	2947
1.92	MN2278	1320	50.96	PA3680	2018
1.95	MN2185	1243	52.55	BI0841	605

<i>Missing Values</i>			
<i>Percent Of</i>			
<i>Missing Value</i>	<i>Count</i>	<i>All Obs</i>	<i>Missing Obs</i>
A	10	0.22	100.00

The UNIVARIATE Procedure

Variable: WOOSTWSQ (10-YR PROB OF OSTEOPOROTIC FX, WITH BMD (INCLUDES SQ IN PRIOR FX))

Moments			
N	4470	Sum Weights	4470
Mean	8.50142729	Sum Observations	38001.38
Std Deviation	5.00095059	Variance	25.0095068
Skewness	2.15496961	Kurtosis	7.24767252
Uncorrected SS	434833.455	Corrected SS	111767.486
Coeff Variation	58.8248351	Std Error Mean	0.07479952

Basic Statistical Measures			
Location		Variability	
Mean	8.501427	Std Deviation	5.00095
Median	7.120000	Variance	25.00951
Mode	5.590000	Range	52.20000
		Interquartile Range	4.88000

Note: The mode displayed is the smallest of 4 modes with a count of 12.

Tests for Location: $\mu_0=0$				
Test	Statistic	p Value		
Student's t	t	113.6562	$Pr > t $	<.0001
Sign	M	2235	$Pr \geq M $	<.0001
Signed Rank	S	4996343	$Pr \geq S $	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	53.190
99%	27.650
95%	18.420
90%	14.365
75% Q3	10.190
50% Median	7.120
25% Q1	5.310
10%	4.120
5%	3.350
1%	1.870
0% Min	0.990

The UNIVARIATE Procedure

Variable: WOOSTWSQ (10-YR PROB OF OSTEOPOROTIC FX, WITH BMD (INCLUDES SQ IN PRIOR FX))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.99	MN2227	1279	38.69	BI0841	605
1.08	SD8486	4122	39.87	MN2174	1234
1.09	BI0196	145	41.10	MN1930	1054
1.16	MN2278	1320	43.57	PI5427	2947
1.17	BI0167	127	53.19	SD8313	3998

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
A	60	1.32	100.00
