Copyright © by The Journal of Bone and Joint Surgery, Incorporated

http://dx.doi.org/10.2106/JBJS.N.00887

TABLE E-1 Interpretation of Kappa Statistics*

Kappa	Interpretation
0.81-1.00	Nearly perfect agreement
0.61-0.80	Substantial agreement
0.41-0.60	Moderate agreement
0.21-0.40	Fair agreement
≤0.2	Poor agreement

*According to the system of Landis and Koch[24].

TABLE E-2 Frequency of Each Stage Among Cumulative Surgeon Responses (N = 2400)

Modified Waldenström Stage	Frequency *(no. [%])*
IA	121 (5.0)
IB	369 (15.4)
IIA	349 (14.5)
IIB	373 (15.5)
IIIA	506 (21.1)
IIIB	444 (18.5)
IV	238 (9.9)

TABLE E-3 Interobserver Reliability of the Modified Waldenström Classification

	Weighted Kappa	
Survey	Kappa	95% Confidence Interval
1	0.813	0.730-0.881
2	0.816	0.723-0.888
3	0.756	0.646-0.847
4	0.800	0.699-0.871

TABLE E-4 Interobserver Reliability of the Two-Group Classification (Early Versus Late)

	Unweighted Kappa	
Survey	Kappa	95% Confidence Interval
1	0.681	0.548-0.805
2	0.718	0.567-0.837
3	0.649	0.497-0.771
4	0.684	0.533-0.806

Copyright © by The Journal of Bone and Joint Surgery, Incorporated

http://dx.doi.org/10.2106/JBJS.N.00887

TABLE E-5 Intraobserver Reliability of the Modified Waldenström Classification Between Surveys 1 and 2

	Weighted Kappa	
Observer	Kappa	95% Confidence Interval
1	0.852	0.624-0.923
2	0.774	0.522-0.906
3	0.893	0.750-0.952
4	0.918	0.843-0.964
5	0.792	0.405-0.920
6	0.950	0.890-0.978
7	0.791	0.460-0.916
8	0.867	0.637-0.959
9	0.886	0.756-0.957
10	0.830	0.570-0.930
11	0.926	0.847-0.967
12	0.940	0.801-0.976
13	0.915	0.812-0.962
14	0.933	0.860-0.970
15	0.865	0.705-0.940
16	0.892	0.796-0.949
17	0.851	0.682-0.915
18	0.899	0.806-0.955
19	0.944	0.873-0.978
20	0.955	0.886-0.979
Average	0.884	

TABLE E-6 Intraobserver Reliability of the Modified Waldenström Classification Between Surveys 3 and 4

	Weighted Kappa	
Observer	Kappa	95% Confidence Interval
1	0.809	0.653-0.913
2	0.870	0.655-0.952
3	0.866	0.688-0.930
4	0.859	0.739-0.934
5	0.851	0.661-0.935
6	0.826	0.660-0.912
7	0.906	0.724-0.974
8	0.940	0.842-0.975
9	0.886	0.621-0.976
10	0.838	0.616-0.940
Average	0.865	

Copyright © by The Journal of Bone and Joint Surgery, Incorporated

http://dx.doi.org/10.2106/JBJS.N.00887

TABLE E-7 Intraobserver Reliability of the Two-Group Classification Between Surveys 1 and 2

	Unweighted Kappa	
Observer	Kappa	95% Confidence Interval
1	0.792	0.494-0.944
2	0.722	0.444-0.898
3	0.787	0.505-0.946
4	0.898	0.626-1.000
5	0.734	0.392-0.936
6	0.936	0.615-1.000
7	0.792	0.539-0.946
8	0.775	0.460-0.939
9	0.734	0.345-0.925
10	0.674	0.385-0.875
11	0.849	0.605-0.950
12	0.842	0.582-0.950
13	0.842	0.545-0.949
14	0.772	0.434-0.939
15	0.826	0.500-0.946
16	0.688	0.393-0.890
17	0.737	0.489-0.937
18	0.738	0.473-0.900
19	0.944	0.600-1.000
20	1.000	—
Average	0.804	

TABLE E-8 Intraobserver Reliability of the Two-Group Classification Between Surveys 3 and 4

	Unweighted Kappa	
Observer	Kappa	95% Confidence Interval
1	0.832	0.503-0.947
2	0.807	0.428-0.944
3	0.734	0.384-0.925
4	0.731	0.453-0.898
5	0.857	0.441-1.000
6	0.780	0.468-0.942
7	0.848	0.594-0.950
8	0.838	0.549-0.949
9	0.838	0.527-0.949
10	0.775	0.452-0.939
Average	0.804	