

Supplemental Data

Supplemental Table 1 Demographic and Clinical Characteristics During the 12-month Baseline Period for the Ibrutinib Versus BR Comparison

	Unweighted Populations					Weighted Populations ^a				
	Ibrutinib		BR		Std Diff, %	Ibrutinib		BR		Std Diff, %
	N = 322		N = 455			N = 387		N = 390		
	n	%	n	%		n	%	n	%	
Demographics										
Male gender	186	57.8	286	62.9	10.4	220	56.8	231	59.3	5.1
Mean age, ^b y ± SD [median]	72.5	± 10.8 [74.0]	69.5	± 9.8 [70.0]	30.0	70.8	± 10.8 [72.0]	70.5	± 10.0 [71.0]	2.5
Year of index date										
2014	24	7.5	118	25.9	51.2	76	19.6	71	18.3	3.2
2015	64	19.9	131	28.8	20.9	98	25.3	102	26.2	2.2
2016	147	45.7	118	25.9	42.0	128	33.1	130	33.4	0.5
2017	87	27.0	88	19.3	18.3	85	22.0	86	22.1	0.1
Region ^b										
South	109	33.9	168	36.9	6.4	128	33.1	138	35.4	4.9
West	94	29.2	104	22.9	14.5	101	26.1	101	26.0	0.3
Midwest	82	25.5	131	28.8	7.5	119	30.8	109	27.9	6.3
Northeast	36	11.2	47	10.3	2.7	37	9.6	39	9.9	1.0
Unknown	1	0.3	5	1.1	9.4	1	0.4	3	0.7	5.0
Insurance plan type ^b										
Medicare	243	75.5	305	67.0	18.7	278	71.8	275	70.6	2.6
Commercial insurance	79	24.5	150	33.0	18.7	109	28.2	115	29.4	2.6
Clinical characteristics										
Mean time between the first CLL diagnosis and the index date, mos ± SD [median]	24.5	± 24.3 [17.8]	17.8	± 22.2 [11.0]	28.5	19.9	± 21.2 [14.4]	19.9	± 23.9 [13.1]	0.4
Use of corticosteroids ^c	140	43.5	179	39.3	8.4	166	43.0	162	41.5	3.0
Comorbidities ^d										
Hypertension	198	61.5	285	62.6	2.4	250	64.6	249	63.9	1.6
Lymphoma	124	38.5	262	57.6	38.9	186	48.1	194	49.7	3.1
Deficiency anemias	146	45.3	188	41.3	8.1	161	41.6	165	42.4	1.6
Diabetes	88	27.3	143	31.4	9.0	95	24.5	114	29.2	10.6
Coagulation deficiency	92	28.6	107	23.5	11.5	98	25.2	98	25.1	0.4
Chronic pulmonary disease	88	27.3	106	23.3	9.3	114	29.4	102	26.2	7.2

Supplemental Table 1 Continued

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	Ibrutinib		BR		Std Diff, %	Ibrutinib		BR		Std Diff, %
	N = 322		N = 455			N = 387		N = 390		
	n	%	n	%		n	%	n	%	
CLL-related comorbidities ^d										
Anemia	147	45.7	189	41.5	8.3	162	41.9	166	42.7	1.6
Enlarged lymph nodes	149	46.3	253	55.6	18.7	202	52.1	205	52.7	1.1
Abdominal pain	68	21.1	101	22.2	2.6	79	20.5	85	21.9	3.3
Fatigue/weakness	115	35.7	163	35.8	0.2	132	34.1	139	35.6	3.1
Thrombocytopenia	79	24.5	99	21.8	6.6	86	22.1	89	22.9	1.8
Mean Charlson comorbidity index ^d ± SD [median]	3.9	± 2.2 [3.0]	3.8	± 2.0 [3.0]	6.9	3.8	± 2.1 [3.0]	3.9	± 2.0 [3.0]	5.1

Abbreviations: BR = Bendamustine/rituximab; CLL = chronic lymphocytic leukemia; SD = standard deviation; Std diff = standardized difference.

^aBaseline characteristics for the weighted populations were obtained by using inverse probability of treatment weights. The inverse probability of treatment weights were estimated based on propensity score. Variables used in the propensity score calculation included the following baseline characteristics: age, gender, region, quarter and year of index date, insurance plan type, time from first CLL diagnosis to index date, Charlson comorbidity index, comorbidities (hypertension, lymphoma, deficiency anemias, diabetes, coagulation deficiency, chronic pulmonary disease), and baseline use of corticosteroids.

^bEvaluated at the index date.

^cEvaluated between the first CLL diagnosis and index date.

^dEvaluated during the 12-month baseline period.