

Supplementary Table 4: Comparison of Hospital Outcomes in White Patients Admitted with Autoimmune Hepatitis; Male versus Female

Hospital Outcomes	Pre-Match Comparison						Post-Match Comparison									
	Female		Male		p-value	Univariate Analysis		Female		Male		p-value	Univariate Analysis			
	n = 11579	77.58 %	n = 3347	22.42 %		OR	95% CI	n = 3347	50.00 %	n = 3347	50.00 %		OR	95% CI		
Mortality (%)	421	3.64 %	138	4.12 %	0.21	0.88	(0.72 - 1.07)	106	3.17 %	138	4.12 %	0.04	*	0.76	(0.59 - 0.98)	
Length of Stay (days)	5.45	± 5.70 days	5.61	± 6.50 days	0.31			5.43	± 5.68 days	5.61	± 6.50 days	0.37				
Hospital Charges (\$)	52904	± 82699 \$	58687	± 116178 \$	0.42			49218	± 70351 \$	58687	± 116178 \$	< 0.001	***			
Disposition at Discharge					< 0.001	***						0.005	**			
Routine (%)	6781	58.60 %	2169	64.80 %				2121	63.40 %	2169	64.80 %					
Short-term Hospital (%)	422	3.64 %	150	4.48 %				125	3.73 %	150	4.48 %					
SNF or other facility (%)	1977	17.10 %	382	11.40 %				457	13.70 %	382	11.40 %					
Home Health Care (%)	1905	16.50 %	470	14.00 %				512	15.30 %	470	14.00 %					
Left AMA (%) ‡	71	0.61 %	37	1.11 %				26	0.78 %	37	1.11 %					
Died (%)	421	3.64 %	138	4.12 %				106	3.17 %	138	4.12 %					
Unknown (%)	2	0.02 %	1	0.03 %				0	0.00 %	1	0.03 %					
Liver Complications																
Acute Liver Failure (%)	431	3.72 %	158	4.72 %	0.01	*	0.78	(0.65 - 0.94)	125	3.73 %	158	4.72 %	0.05		0.78	(0.62 - 1.00)
Cirrhosis (%)	3912	33.80 %	1354	40.50 %	< 0.001	***	0.75	(0.69 - 0.81)	1118	33.40 %	1354	40.50 %	< 0.001	***	0.74	(0.67 - 0.82)
Ascites (%) §	1388	12.00 %	560	16.70 %	< 0.001	***	0.68	(0.61 - 0.75)	413	12.30 %	560	16.70 %	< 0.001	***	0.70	(0.61 - 0.80)
Cirrhosis-related (%)	1341	11.60 %	548	16.40 %	< 0.001	***	0.67	(0.60 - 0.75)	399	11.90 %	548	16.40 %	< 0.001	***	0.69	(0.60 - 0.79)
ALF-related (%)	130	1.12 %	55	1.64 %	0.02	*	0.68	(0.49 - 0.93)	34	1.02 %	55	1.64 %	0.03	*	0.61	(0.40 - 0.94)
Varices (%) §	945	8.16 %	403	12.00 %	< 0.001	***	0.65	(0.57 - 0.73)	275	8.22 %	403	12.00 %	< 0.001	***	0.65	(0.56 - 0.77)
Cirrhosis-related (%)	935	8.07 %	397	11.90 %	< 0.001	***	0.65	(0.58 - 0.74)	273	8.16 %	397	11.90 %	< 0.001	***	0.66	(0.56 - 0.78)
ALF-related (%)	39	0.34 %	25	0.75 %	0.002	**	0.45	(0.27 - 0.74)	9	0.27 %	25	0.75 %	0.010	**	0.36	(0.17 - 0.77)
Variceal Bleeding (%) §	181	1.56 %	87	2.60 %	< 0.001	***	0.60	(0.46 - 0.77)	56	1.67 %	87	2.60 %	0.01	*	0.64	(0.45 - 0.90)
Cirrhosis-related (%)	181	1.56 %	86	2.57 %	< 0.001	***	0.60	(0.46 - 0.78)	56	1.67 %	86	2.57 %	0.01	*	0.65	(0.46 - 0.91)
ALF-related (%)	3	0.03 %	2	0.06 %	0.31	†	0.43	(0.05 - 5.19)	0	0.00 %	2	0.06 %	0.50	†	0.00	(0.00 - 5.32)
Spontaneous Bacterial Peritonitis (%) §	147	1.27 %	82	2.45 %	< 0.001	***	0.51	(0.39 - 0.67)	49	1.46 %	82	2.45 %	0.005	**	0.59	(0.41 - 0.85)
Cirrhosis-related (%)	139	1.20 %	79	2.36 %	< 0.001	***	0.50	(0.38 - 0.66)	47	1.40 %	79	2.36 %	0.005	**	0.59	(0.41 - 0.85)
ALF-related (%)	18	0.16 %	12	0.36 %	0.04	*	0.43	(0.21 - 0.90)	5	0.15 %	12	0.36 %	0.15		0.42	(0.15 - 1.18)
Hepatorenal Syndrome (%) §	166	1.43 %	66	1.97 %	0.03	*	0.72	(0.54 - 0.96)	40	1.20 %	66	1.97 %	0.01	*	0.60	(0.40 - 0.89)
Cirrhosis-related (%)	143	1.23 %	59	1.76 %	0.03	*	0.70	(0.51 - 0.95)	36	1.08 %	59	1.76 %	0.02	*	0.61	(0.40 - 0.92)
ALF-related (%)	46	0.40 %	14	0.42 %	0.99		0.95	(0.52 - 1.73)	7	0.21 %	14	0.42 %	0.19		0.50	(0.20 - 1.24)
Encephalopathy (%) §	989	8.54 %	370	11.10 %	< 0.001	***	0.75	(0.66 - 0.85)	311	9.29 %	370	11.10 %	0.02	*	0.82	(0.70 - 0.97)
Cirrhosis-related (%)	954	8.24 %	357	10.70 %	< 0.001	***	0.75	(0.66 - 0.85)	298	8.90 %	357	10.70 %	0.02	*	0.82	(0.70 - 0.96)
ALF-related (%)	82	0.71 %	26	0.78 %	0.77		0.91	(0.59 - 1.42)	30	0.90 %	26	0.78 %	0.69		1.16	(0.68 - 1.96)

* p < 0.05, ** p < 0.01, *** p < 0.001

† Fisher's Test

‡ Left AMA: Left against medical advice

§ These variables include both cirrhosis and ALF-related events counting overlapping incidences