

Supplementary Table 1. Inpatient CPT Codes

Category	CPT Codes
Hospital Observation Services	99217, 99218, 99219, 99220, 99224, 99225, 99226
Initial Hospital Inpatient Care Services	99221, 99222, 99223
Subsequent Hospital Care Services	99231, 99232, 99233, 99234, 99235, 99236, 99237, 99238, 99239
New or Established Patient Emergency Department Services	99281, 99282, 99283, 99284, 9285
Other Emergency Department Services	99288

Supplementary Table 2. ICD-9 Codes for Charlson Comorbidity Score

Charlson Comorbidity Score Components	ICD-9 Codes
Myocardial infarction	410.0-410.92,412
Congestive heart failure	428.0-428.9
Peripheral vascular disease	443.9, 441.0-441.9,785.4, V43.4
Cerebrovascular disease	430.0-438.9
Dementia	290.0-290.9
Chronic pulmonary disease	490, 491.0-491.9, 492, 492.0, 492.8, 493.0-493.92,494-494.1, 495.0-495.9,496, 500-505, 506.0-506.4
Rheumatic disease	710.0, 710.1, 710.4, 714.0-714.2, 714.81, 725
Peptic ulcer disease	531.0-534.91
Mild liver disease	571.2, 571.4-571.6
Diabetes without chronic complication	250.0-250.3, 250.7
Diabetes with chronic complication	250.4-250.6
Hemiplegia or paraplegia	344.1, 342.0-342.92
Renal disease	582.0-582.9, 583.0-583.7, 585.1-585.9, 586, 588.0-588.9
Any malignancy, including lymphoma and leukemia, except malignant neoplasm of skin	140.0-172.9, 174.0-195.8, 200.0-208.92
Moderate or severe liver disease	456.0-456.21, 572.2-572.8
Metastatic solid tumor	196.0-199.1
AIDS/HIV	042

Supplementary Table 3. Anti-hypertensive Classes and Generic Medications

Medication Class	Medication Names
Angiotensin converting enzyme inhibitor	fosinopril, fosinopril sodium, ramipril, captopril, moexipril, lisinopril, enalapril, quinapril, trandolapril, benazepril, perindopril, monopril
Angiotensin receptor blocker	eprosartan, azilsartan medoxomil, olmesartan, valsartan, telmisartan, losartan, candesartan, irbesartan
Beta-blockers	betaxolol, acebutolol, atenolol, metoprolol, metoprolol succinate, metoprolol tartrate, nebivolol, bisoprolol, esmolol, propranolol, nadolol, labetalol, timolol, carteolol, penbutolol, pindolol, carvedilol
Calcium channel blockers	nifedipine, diltiazem, verapamil, isradipine, felodipine, amlodipine, nicardipine, nisoldipine, bepridil, clevidipine
Others	aliskiren, hydralazine, minoxidil, hydralazine/isosorbide dinitrate, reserpine, eplerenone, spironolactone, prazosin, prazosin hydrochloride, terazosin, terazosin hydrochloride, doxazosin, bumetanide, ethacrynic acid, ethacrynate, torsemide, furosemide, triamterene, spironolactone, amiloride, furosemide/amiloride, indapamide, chlorthalidone, metolazone, hydrochlorothiazide, methylchlorothiazide, chlorothiazide, bendroflumethiazide, bendrofluazide, polythiazide, hydroflumethiazide, cyclothiazide, benzthiazide, clonidine, guanfacine, methyldopa, methyldopate, guanabenz

Supplementary Table 4. SBP CV and Use of Immunosuppressants and Immunomodulators in Patients with SLE

	Number of Users (N=899)	Median SBP CV of Users	Median SBP CV of Non-users	p-value
Cyclophosphamide	198 (22)	10.96 [8.7-13.05]	9.43 [7.68-11.41]	<0.001
Mycophenolate mofetil	319 (35)	9.91 [8.19-12.35]	9.61[7.70-11.46]	0.02
Azathioprine	385 (43)	9.77 [7.84-11.88]	9.66 [7.91-11.79]	0.57
Corticosteroids	700 (78)	9.84 [8.00-11.83]	9.25 [7.29-11.56]	0.03
Other	460 (51)	9.84 [8.05-11.91]	9.58 [7.60-11.78]	0.11

Values are presented as N (%) or median [interquartile range].

Supplementary Table 5. SBP CV and Use of Anti-hypertensives in Patients with SLE

	SBP CV of Users	SBP CV of Non-users	p-value
Angiotensin converting enzyme inhibitor	10.91 [8.98-13.02]	9.09 [7.38-10.92]	<0.001
Angiotensin receptor blocker	11.08 [8.94-13.43]	9.33 [7.58-11.15]	<0.001
Beta-blockers	10.76 [8.80-12.91]	9.02 [7.30-10.74]	<0.001
Calcium channel blockers	10.81 [9.04-13.29]	9.06 [7.41-11.08]	<0.001
Others	10.50 [8.69-12.77]	8.87 [7.14-10.61]	<0.001

Values are presented as number (percent) or median [interquartile range].

Supplementary Table 6. Factors Associated with DBP CV in SLE Patients

	Spearman Coefficient	p-value
Age (years)	0.01	0.69
Body mass index (kg/m ²)	0.01	0.80
Creatinine (mg/dL)	0.12	<0.001
C-reactive protein (mg/L)	0.16	<0.001
HDL cholesterol (mg/dL)	-0.12	0.01
LDL cholesterol (mg/dL)	0.08	0.11
Triglycerides (mg/dL)	0.18	<0.001
C3 (mg/dL)	-0.03	0.33
C4 (mg/dL)	0.04	0.22
Charlson comorbidity score	0.20	<0.001