Supplementary Material:

Table S1. The results of correlations of factors associated with medication adherence in spearman bivariate correlations analysis.

		age	gender	race	residence	marital status	family members	underpriviledged	annual household income	employment	educational level	outpatient medical reimbursement	duration	complications	self-reported health status	self-reported severity of hypertension	number of comorbidities	mnumber of drugs	regular blood pressure check	regular clinic check	trust in diffierent doctors	blood pressure	patients with heart diseases	patients with diabetes mellitus	patients with cerebrovascular diseases	calcium channel blocker	ACE inhibitor	β-Blocker	ARB	diuretics	fixed-dose combinations	traditional medicines	Health Service Utilizations in past 1 year
Spearman Correlation	age	1.000																														
	gender	-0.080**	1.000	-0.034																												
	race	0.048*	-0.034	1.000																												
	residence	-0.155**	-0.004	-0.045	1.000																											
	marital status	-0.169**	-0.244**	-0.015	0.024	1.000																										
	family members	-0.139**	-0.148**	-0.004	0.002	0.650**	1.000																									
	underpriviledged	0.022	0.007	-0.024	-0.005	-0.094**	-0.026	1.000																								
	annual household income	0.016	-0.127**	-0.031	-0.132**	0.453**	0.460**	-0.085**	1.000																							
	employment	0.224**	0.031	-0.001	-0.035	-0.036	-0.039	-0.069**	0.117**	1.000																						
	educational level	-0.172**	-0.304**	0.019	-0.173**	0.159**	0.119**	-0.013	0.199**	-0.093**	1																					
	outpatient medical reimbursement	0.054*	-0.073**	0.011	-0.005	0.077**	0.074**	-0.056*	0.159**	0.074**	0.090**	1.000																				
	duration	0.147**	0.122**	0.047*	-0.142**	-0.020	0.025	-0.025	0.092**	0.148**	-0.028	0.180**	1.000																			
	complications	0.129**	0.031	0.042	0.000	-0.006	0.026	0.015	0.058*	0.103**	-0.007	0.491**	0.242**	1.000																		
	self-reported health status	-0.076**	-0.064**	-0.039	0.065**	0.046*	-0.006	-0.041	0.019	-0.037	0.044	-0.018	-0.072**	-0.148**	1																	
	self-reported severity of hypertension	0.098**	0.106**	-0.008	0.001	-0.017	-0.012	-0.012	-0.043	0.007	-0.108**	0.082**	0.072**	0.244**	-0.227**	1.000																
	number of comorbidities	0.087**	0.137**	0.037	0.008	-0.028	0.008	0.014	0.059*	0.069**	-0.057*	0.216**	0.192**	0.508**	-0.200**	0.268**	1															
	mnumber of drugs	0.006	0.006	0.015	-0.097**	0.036	0.040	0.030	0.048*	0.015	0.071**	0.159**	0.115**	0.173**	-0.047*	0.053*	0.099**	1.000														
	regular blood pressure check	0.030	-0.001	0.011	-0.107**	0.022	-0.005	-0.006	0.083**	0.032	0.096**	0.052*	0.033	0.105**	-0.014	0.013	0.060**	0.055*	1													
	regular clinic check	-0.036	0.058*	-0.093**	-0.032	-0.001	-0.019	0.002	0.044	-0.018	0.047*	0.050*	-0.006	-0.008	0.018	-0.025	0.000	0.009	0.171**	1.000												
	trust in diffierent doctors	-0.039	-0.048*	-0.017	-0.132**	0.002	-0.003	0.049*	0.013	-0.056*	0.057*	-0.149**	-0.042	-0.185**	0.070**	-0.150**	-0.144**	-0.095**	-0.045*	0.010	1.000											
	blood pressure	-0.018	0.024	-0.030	-0.059**	-0.008	-0.011	-0.008	0.051*	0.017	0.059**	0.034	-0.024	0.020	0.030	-0.054*	0.011	-0.043	0.308**	0.473**	0.054*	1.000										
	patients with heart diseases	0.116**	0.079**	0.045*	-0.076**	-0.017	0.035	0.035	0.083**	0.067**	-0.008	0.175**	0.216**	0.557**	-0.143**	0.198**	0.526**	0.159**	0.095**	-0.014	-0.095**	0.045	1.000									
	patients with diabetes mellitus	-0.024	0.093**	0.055*	0.006	-0.020	-0.025	0.019	0.028	-0.003	-0.021	0.055*	0.076**	0.075**	-0.096**	0.058*	0.423**	-0.017	-0.024	0.010	-0.029	-0.032	0.083**	1.000								
	patients with cerebrovascular diseases	0.077**	0.033	0.032	0.052*	0.020	0.037	0.013	0.021	0.041	-0.054*	0.261**	0.126**	0.468**	-0.127**	0.201**	0.483**	0.051*	0.048*	0.030	-0.160**	-0.005	0.134**	0.071**	1.000							
	calcium channel blocker	-0.003	-0.008	0.004	0.034	-0.012	-0.018	-0.027	-0.037	0.012	0.010	0.011	0.026	0.000	0.031	0.018	-0.016	0.178**	0.002	-0.019	-0.034	0.009	-0.010	-0.004	-0.021	1.000						
	ACE inhibitor	-0.026	-0.063**	0.003	0.081**	0.054*	0.033	0.043	-0.032	-0.019	0.025	0.070**	-0.004	0.049*	-0.005	0.003	0.015	0.270**	-0.021	-0.013	-0.041	-0.055*	0.001	-0.006	0.026	-0.200**	1					
	β-Blocker	0.016	0.013	0.023	-0.107**	0.020	0.055*	0.011	0.086**	0.004	0.068**	0.139**	0.070**	0.117**	-0.047*	0.038	0.075**	0.427**	0.036	0.018	-0.062**	0.005	0.150**	-0.003	-0.009	-0.168**	-0.045	1.000				
	ARB	0.004	0.054*	0.009	-0.164**	0.017	0.022	0.011	0.103**	-0.001	0.079**	0.117**	0.057*	0.124**	-0.067**	0.033	0.101**	0.237**	0.064**	0.024	-0.047*	0.002	0.108**	0.015	0.094**	-0.296**	-0.117**	-0.002	1			
	diuretics	0.024	-0.001	-0.002	0.027	-0.047*	-0.039	0.021	-0.024	0.031	-0.024	-0.040	0.028	0.005	-0.003	-0.018	-0.013	0.102**	-0.013	-0.023	0.029	0.020	0.025	0.008	-0.004	-0.201**	-0.021	-0.027	-0.027	1.000		
	fixed-dose combinations	0.001	0.015	-0.037	0.068**	-0.002	0.005	0.021	-0.039	-0.002	-0.068**	-0.055*	-0.063**	-0.029	0.004	-0.016	-0.020	0.061**	-0.027	0.003	0.043	-0.026	-0.046*	0.024	-0.017	-0.276**	0.002	-0.093**	-0.123**	-0.062**	1.000	
	traditional medicines	0.006	0.011	0.032	-0.049*	0.007	0.020	-0.004	0.007	0.030	-0.049*	-0.088**	0.034	-0.068**	0.012	-0.007	-0.027	0.019	-0.014	0.031	0.035	0.014	-0.031	-0.044	-0.033	-0.196**	-0.081**	-0.065**	-0.080**	-0.046*	-0.004	1.000
	Health Service Utilizations in past 1 year	0.003	0.030	-0.009	0.039	0.038	0.029	0.013	-0.034	-0.009	-0.002	0.135**	0.049*	0.167**	-0.112**	0.123**	0.110**	0.093**	0.038	0.072**	-0.187**	0.006	0.120**	-0.038	0.145**	-0.001	0.044	0.077**	0.026	-0.018	-0.032	0.003	1.000
Significance (2-tailed)	age	.																														
	gender	0.000	.																													

race	0.035	0.134	.																						
residence	0.000	0.850	0.050	.																					
marital status	0.000	0.000	0.518	0.297	.																				
family members	0.000	0.000	0.863	0.947	0.000	.																			
underpriviledged	0.327	0.770	0.286	0.824	0.000	0.250	.																		
annual household income	0.483	0.000	0.171	0.000	0.000	0.000	0.000	.																	
employment	0.000	0.179	0.961	0.122	0.114	0.085	0.002	0.000	.																
educational level	0.000	0.000	0.418	0.000	0.000	0.000	0.569	0.000	0.000	.															
outpatient medical reimbursement	0.017	0.001	0.620	0.814	0.001	0.001	0.015	0.000	0.001	0.000	.														
duration	0.000	0.000	0.039	0.000	0.380	0.282	0.283	0.000	0.000	0.213	0.000	.													
complications	0.000	0.181	0.064	0.993	0.810	0.263	0.520	0.011	0.000	0.765	0.000	0.000	.												
self-reported health status	0.001	0.005	0.086	0.004	0.043	0.792	0.075	0.415	0.106	0.053	0.435	0.002	0.000	.											
self-reported severity of hypertension	0.000	0.000	0.721	0.965	0.451	0.609	0.608	0.058	0.763	0.000	0.000	0.002	0.000	0.000	.										
number of comorbidities	0.000	0.000	0.106	0.733	0.217	0.713	0.543	0.010	0.003	0.012	0.000	0.000	0.000	0.000	0.000	.									
mnumber of drugs	0.809	0.798	0.505	0.000	0.114	0.079	0.191	0.035	0.500	0.002	0.000	0.000	0.000	0.040	0.019	0.000	.								
regular blood pressure check	0.190	0.967	0.623	0.000	0.330	0.835	0.793	0.000	0.159	0.000	0.022	0.153	0.000	0.536	0.570	0.009	0.015	.							
regular clinic check	0.118	0.011	0.000	0.164	0.968	0.408	0.930	0.053	0.443	0.042	0.028	0.797	0.711	0.424	0.268	0.988	0.682	0.000	.						
trust in diffierent doctors	0.086	0.038	0.459	0.000	0.935	0.906	0.031	0.558	0.014	0.012	0.000	0.066	0.000	0.002	0.000	0.000	0.000	0.049	0.650	.					
blood pressure	0.422	0.285	0.190	0.009	0.743	0.622	0.713	0.025	0.466	0.010	0.133	0.302	0.378	0.188	0.018	0.624	0.059	0.000	0.000	0.018	.				
patients with heart diseases	0.000	0.001	0.048	0.001	0.456	0.126	0.121	0.000	0.003	0.714	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.550	0.000	0.051	.		
patients with diabetes mellitus	0.291	0.000	0.016	0.809	0.381	0.275	0.414	0.215	0.891	0.359	0.016	0.001	0.001	0.000	0.012	0.000	0.453	0.291	0.648	0.208	0.168	0.000	.		
patients with cerebrovascular diseases	0.001	0.153	0.162	0.022	0.382	0.108	0.584	0.364	0.071	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.037	0.184	0.000	0.827	0.000	0.002	.	
calcium channel blocker	0.905	0.732	0.861	0.139	0.601	0.438	0.235	0.102	0.609	0.668	0.624	0.251	0.993	0.173	0.437	0.497	0.000	0.930	0.416	0.140	0.678	0.677	0.863	0.356	.
ACE inhibitor	0.258	0.005	0.886	0.000	0.017	0.153	0.057	0.164	0.405	0.268	0.002	0.856	0.032	0.840	0.912	0.524	0.000	0.360	0.557	0.072	0.015	0.954	0.806	0.251	0.000
β-Blocker	0.484	0.556	0.320	0.000	0.370	0.017	0.634	0.000	0.854	0.003	0.000	0.002	0.000	0.041	0.099	0.001	0.000	0.114	0.434	0.006	0.830	0.000	0.899	0.704	0.000
ARB	0.860	0.017	0.710	0.000	0.456	0.341	0.625	0.000	0.962	0.001	0.000	0.013	0.000	0.003	0.154	0.000	0.000	0.005	0.291	0.042	0.919	0.000	0.520	0.000	0.000
diuretics	0.289	0.965	0.918	0.241	0.042	0.088	0.355	0.287	0.170	0.285	0.080	0.215	0.832	0.900	0.438	0.583	0.000	0.580	0.305	0.212	0.385	0.282	0.733	0.845	0.000
fixed-dose combinations	0.961	0.500	0.107	0.003	0.931	0.813	0.351	0.085	0.938	0.003	0.016	0.006	0.203	0.874	0.485	0.380	0.008	0.236	0.885	0.057	0.258	0.046	0.290	0.447	0.000
traditional medicines	0.786	0.645	0.163	0.033	0.749	0.380	0.867	0.771	0.185	0.031	0.000	0.141	0.003	0.601	0.760	0.244	0.407	0.535	0.171	0.124	0.545	0.170	0.054	0.145	0.000
Health Service Utilizations in past 1 year	0.879	0.196	0.688	0.089	0.099	0.209	0.568	0.140	0.681	0.926	0.000	0.033	0.000	0.000	0.000	0.000	0.000	0.095	0.002	0.000	0.797	0.000	0.097	0.000	0.973

race																									
residence																									
marital status																									
family members																									
underpriviledged																									
annual household income																									
employment																									
educational level																									
outpatient medical reimbursement																									
duration																									
complications																									
self-reported health status																									
self-reported severity of hypertension																									
number of comorbidities																									
mnumber of drugs																									
regular blood pressure check																									
regular clinic check																									
trust in diffierent doctors																									
blood pressure																									
patients with heart diseases																									
patients with diabetes mellitus																									
patients with cerebrovascular diseases																									
calcium channel blocker																									
ACE inhibitor																									
β-Blocker	0.051	.																							
ARB	0.000	0.000	0.928	.																					
diuretics	0.361	0.240	0.239	.																					
fixed-dose combinations	0.937	0.000	0.000	0.006	.																				
traditional medicines	0.000	0.004	0.000	0.045	0.863	.																			
Health Service Utilizations in past 1 year	0.054	0.001	0.250	0.425	0.164	0.912	.																		

**Correlation is significant at the0.01 leve (2-tailed).

*Correlation is significant at the0.05 leve (2-tailed).