

Supplemental Table 2. Overview of all the ICD-9 verified reasons for hospital admission

	Frequency	Percent	Valid Percent	Cumulative Percent
List of ICD-9 codes 011-139 : infectious and parasitic diseases	10	1,2	1,2	1,2
List of ICD-9 codes 140-239 : neoplasms	76	9,2	9,3	10,5
List of ICD-9 codes 240-279: endocrine, nutritional and metabolic diseases, and immunity disorders	25	3,0	3,1	13,6
List of ICD-9 codes 280-289: diseases of the blood and blood- forming organs	5	,6	,6	14,2
List of ICD-9 codes 290-319: mental disorders	12	1,4	1,5	15,7
List of ICD-9 codes 320-359: disease of nervous system	15	1,8	1,8	17,5
List of ICD-9 codes 360-389: diseases of the sense organs	11	1,3	1,3	18,8
Valid List of ICD-9 codes 390-459: diseases of the circulatory system	226	27,2	27,7	46,5
List of ICD-9 codes 460-519: disease of the respiratory system	120	14,5	14,7	61,2
List of ICD-9 codes 520-579: diseases of the digestive system	106	12,8	13,0	74,2
List of ICD-9 codes 580-629: diseases of the genitourinary system	27	3,3	3,3	77,5
List of ICD-9 codes 630-679: complications of pregnancy, childbirth, and the puerperium	14	1,7	1,7	79,2
List of ICD-9 codes 680-709: diseases of the skin and subcutaneous tissue	2	,2	,2	79,4
List of ICD-9 codes 710-739: diseases of the musculoskeletal system and connective tissue	34	4,1	4,2	83,6

	List of ICD-9 codes 780-799: symptoms, signs, and ill-defined conditions	16	1,9	2,0	85,6
	List of ICD-9 codes 800-999: injury and poisoning	93	11,2	11,4	96,9
	List of ICD-9 codes E and V codes: external causes of injury and supplemental classification	25	3,0	3,1	100,0
	Total	817	98,4	100,0	
Missing	System	13	1,6		
Total		830	100,0		

ICD-9: International Classification of Diseases, 9th revision, Clinical Modification.