

Supplementary Table S1. Description of the grouping of the major diagnostic categories based on the French classification.

MDC	Description
21, 22, 26	Injuries, intoxications, toxic effects of drugs
8, 9	Musculoskeletal/dermatological disorders
1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 25	Medical Disorders
20	Alcohol/drug use
19	Diseases and mental disorders
23, 24, 27, 28, 90	Other

MDC = major diagnostic category.

[†]MDC not existing in the US classification.

[‡]MDC corresponding to MDC=24 in US classification.

MDC 1= Diseases and Disorders of the Nervous System;

MDC 2= Diseases and Disorders of the Eye;

MDC 3= Diseases and Disorders of the Ear, Nose, Mouth And Throat;

MDC 4= Diseases and Disorders of the Respiratory System;

MDC 5= Diseases and Disorders of the Circulatory System;

MDC 6= Diseases and Disorders of the Digestive System;

MDC 7= Diseases and Disorders of the Hepatobiliary System And Pancreas;

MDC 8= Diseases and Disorders of the Musculoskeletal System And Connective Tissue;

MDC 9= Diseases and Disorders of the Skin, Subcutaneous Tissue And Breast;

MDC 10= Diseases and Disorders of the Endocrine, Nutritional And Metabolic System;

MDC 11= Diseases and Disorders of the Kidney And Urinary Tract;

MDC 12= Diseases and Disorders of the Male Reproductive System;

MDC 13= Diseases and Disorders of the Female Reproductive System;

MDC 14= Pregnancy, Childbirth And Puerperium;

MDC 15= Newborn And Other Neonates (Perinatal Period);

MDC 16= Diseases and Disorders of the Blood and Blood Forming Organs and Immunological Disorders;

MDC 17= Myeloproliferative DDs (Poorly Differentiated Neoplasms);

MDC 18= Infectious and Parasitic DDs (Systemic or unspecified sites);

MDC 19= Mental Diseases and Disorders;

MDC 20= Alcohol/Drug Use or Induced Mental Disorders;

MDC 21= Injuries, Poison And Toxic Effect of Drugs;

MDC 22= Burns;

MDC 23= Factors Influencing Health Status and Other Contacts with Health Services;

[†]**MDC 24=** Stays less than 2 days;

MDC 25= Human Immunodeficiency Virus Infection;

[‡]**MDC 26=** Multiple Significant Trauma;

[†]**MDC 27=** Organ transplantation;

[†]**MDC 28=** Visit;

[†]**MDC 90=** Unclassifiable stays.

Supplementary Table S2. Average marginal effects.

Characteristics	Average marginal effects [95%CI]	P-value
Sex		
Male	ref.	-
Female	0.051[0.051;0.052]	<0.001
Age classes		
18-34	ref.	-
35-44	-0.017[-0.018;-0.015]	<0.001
45-54	-0.021[-0.022;-0.020]	<0.001
55-64	0.004[0.003;0.005]	<0.001
65-74	0.041[0.040;0.042]	<0.001
> 75	0.179[0.178;0.180]	<0.001
Social deprivation		
More deprived	ref.	-
More favored	-0.001 [-0.002;-0.001]	<0.001
Universal health coverage		
No	ref.	-
Yes	0.129[0.127;0.130]	<0.001
Complementary universal health coverage		
No	ref.	-
Yes	0.071[0.069;0.072]	<0.001
State medical assistance		
No	ref.	-
Yes	0.245[0.242;0.249]	<0.001
Charlson comorbidity index		
0	ref.	-
1-2	0.061[0.060;0.061]	<0.001
≥3	0.093[0.092;0.094]	<0.001
Major diagnostic category		
Injuries, intoxications, toxic effects of drugs	0.111[0.109;0.114]	<0.001
Musculoskeletal/dermatological disorders	0.057[0.056;0.057]	<0.001
Medical disorders	ref.	-
Alcohol/drug use	0.156[0.153;0.158]	<0.001
Diseases and mental disorders	0.230[0.227;0.232]	<0.001
Other	-0.016[-0.016;-0.015]	<0.001
Hospital category		
Public	0.352[0.351;0.352]	<0.001
Academic	0.208[0.207;0.208]	<0.001
Private not-for profit	0.219[0.218;0.220]	<0.001
Private for profit	ref.	-