

Cost-of-illness analysis in the EGB database

FRESHER WP5

V4.1- 06.09.17

CORTAREDONA Sébastien (sebastien.cortaredona@inserm.fr)

VENTELOU Bruno (bruno.ventelou@inserm.fr)

Changelog:

- We added a new table “Table 2c” (page 14).

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1 Introduction

The FRESHER consortium brings together ten research groups, including leaders in the management of large scale European Foresight projects and highly experienced health policy modelers, in a unique interdisciplinary team with the aim of realizing an ambitious project in FoResight and Modelling for European Health policy and Regulation. The overall project objective is the representation of alternative futures where the detection of emerging health scenarios will be used to test future policies to effectively tackle the burden of non- communicable diseases. The project will produce quantitative estimates of the future global burden of diseases in the EU and its impact on health care expenditures and delivery, on population well-being, and on health and socio-economic inequalities, as well as potential changes in these impacts according to alternative health and non-health policy options. These estimates will be produced through the development of an empirically-based micro-simulation model. The model will be capable of quantifying the current and future health and economic impacts of diseases and testing “what if” policy options according to alternative foresight scenarios, as well as potential new policies and policy combinations.

Objectives: The main objective of this specific work is to perform a cost of illness (COI) analysis on a selection of ten disease groups: stroke, heart disease, cancers, diabetes, Chronic Kidney Disease (CDV), Chronic Obstructive Pulmonary Disease (COPD), cirrhosis, alcohol use disorders, major depression and neurologic disorders. This COI will be used to calibrate the micro-simulation model developed by the OECD within the FRESHER project.

The study sample, method to identify patients with disease, as well as prevalence estimates for these diseases are available in the document “*Identifying patients with specific diseases in the EGB database*”.

2 Methods

2.1 Study population

The study population is all persons aged 18 or older on January 1st 2014, sampled in the EGB database and still alive on December 31st 2014 (n = 476 252 – Table1).

Table 1. Sociodemographic characteristics of the study population (n = 476 252)

Study population n= 476 252	
Gender (%)	
Male	48.92
Female	51.08
Age (%)	
18-39	34.78
40-49	18.40
50-59	16.61
60-69	7.50
65-69	6.73
70-74	4.45
75-79	4.08
80-84	3.57
85-89	2.36
>89	1.53

Among the ten disease groups selected for this COI analysis, 78 % of the sample had zero disease, 16 % had only one disease, 4.2 % had two diseases and 1.6 % had three diseases or more. Prevalence estimates for all selected diseases are available in the document "*Identifying patients with specific diseases in the EGB database*". Outside of the then disease groups selected for Fresher, the prevalence of at least one long standing diseases in 2014 is estimated at 6.1 %.

2.2 Health expenditures data

Health expenditures data (from 01.01.2014 to 31.12.2014) are retrieved from the EGB database for all study participants. These data include ambulatory care (SNIRAM) data and hospital discharge (PMSI) data.

2.2.1 Ambulatory care data (SNIIRAM)

Detailed reimbursements with dates of prescription and dispensing for the following ambulatory care data are available in the SNIIRAM database:

- primary care and specialist's consultations
- (reimbursed) medicines
- medical procedures
- biological tests
- medical devices
- health care from other health care professionals

For each ambulatory care, two costs variables are available:

- Total cost of ambulatory care (€)
- Amount reimbursed to the patient by the National Health Insurance (€)

Limitations:

- For all ambulatory care, amount reimbursed by supplementary private schemes (if applicable) are not available in the SNIIRAM.
- Over-the-counter drugs are not available in the SNIIRAM database.

2.2.2 Hospital discharge data (PMSI)

For PMSI data, the following data are available:

- discharge data from all French public and private hospitals
- outpatient procedures in all French public hospitals (outpatient procedures in private hospitals are considered as ambulatory care)

As regards hospital sector, this cost-evaluation only takes into account the part of cost which is reimbursed to hospital through the DRG payment system (through which we can clearly assign a diagnosis using the reason of admission); all other costs supported by the hospitals are not included: mission of general interest, clinical research, exploitation deficit, etc...

2.3 Statistical method

2.3.1 A bottom-up approach using multivariate regressions

In order to quantify the expenditure associated with each disease, a bottom-up approach is conducted. In a bottom-up design, units of health care are used on a patient level and are multiplied with a price for this unit. All individual health expenditures are then summed up to calculate total cost of the disease. Compared to a top-down approach, in which total expenditure for a given area or policy are divided by total units of activity, the bottom-up approach provides a greater level of accuracy (2). However, in the French health care system, healthcare expenditures cannot be directly linked with a specific disease making a standard bottom-up approach infeasible. To overcome this major limitation, we choose to estimate the cost associated with each disease using regression models. Costs are estimated as the mean marginal difference of the predicted outcome with a disease variable switched on or off (see below). This allows for estimating the 'counterfactual' of what the health expenditures would have been in the absence of the disease while leaving the other model parameters unchanged. This approach is commonly used to estimate incremental costs for select diseases and risk factors (3–5). In our COI study, the outcome variable is the total cost of hospital and ambulatory care in 2014¹ calculated at the patient level using data described in section 2.2.

2.3.2 The two-stage cost model

Economic cost data have specific characteristics: they have a sizable portion of zero costs and a skewed distribution of positive costs with non-constant variance. A useful modelling framework in such cases is a two-part model (also known as a two-stage model (6)). These 2-step models are well adapted to analyse zero-inflated data with skewness (7). In a two-part model the probability of the cost to be positive is estimated using a logit or a probit regression model and then, conditional on the cost being positive, the value of the cost is modelled using another regression model:

$$E(Y) = P(Y > 0)E(Y | Y > 0) + P(Y = 0)E(Y | Y = 0) = P(Y > 0)E(Y | Y > 0)$$

with:

Y: outcome (cost variable)

(Y > 0) is typically modelled using a logit or a probit model

¹ Annual amount per capita reimbursed by the National Health Insurance (€)

In the present case, we model the probability of the outcome being positive using multivariate logistic regression. Analysis are stratified on gender and estimates are adjusted on age (18-39/40-49/50-59/60-69/65-69/70-74/75-79/80-84/85-89/>89). Then, we model the positive value of the cost using a multivariate gamma regression with log link. Analysis are still stratified on gender and age adjusted. However, variables indicating whether the individual is suffering from a specific disease must be added in the model in order to estimate the expenditure of each disease. We decided to test two different approaches (see below).

- **First approach: stratification by disease and the presence of at least one comorbidity**

For each disease, a multivariate regression model is performed on the sub-sample of persons with no comorbidity (=no long standing disease for another chronic condition²). A second model is performed on the subsample of persons with at least one comorbidity (=at least one long standing disease for another chronic condition and/or at least one disease among the other remaining nine disease groups selected for Fresher). In the gamma regression part of the two-stage model, a (single) 5-level disease variable is added:

- 0: absence of the considered disease (reference)
- 1: presence of the considered disease with diagnosis date estimated between 01.07.2013 and 30.06.2014
- 2: presence of the considered disease with diagnosis date estimated between 01.07.2012 and 30.06.2013
- 3: presence of the considered disease with diagnosis date estimated between 01.07.2011 and 30.06.2012
- 4: presence of the considered disease with diagnosis date estimated before 01.07.2011

Within each age stratum, the cost associate with the disease is estimated as the mean marginal difference of the predicted outcome with the values of disease variable modified:

$$\text{cost_year0_id}_j = \hat{c}_{i|d_j=1} - \hat{c}_{i|d_j=0}$$

$$\text{cost_year1_id}_j = \hat{c}_{i|d_j=2} - \hat{c}_{i|d_j=0}$$

² One major feature of the French social insurance system is the principle of patient co-payments for goods and services. However, exemptions exist for those with long-term and costly diseases; the long-standing diseases (Affection de Longue Durée - ALD) procedure exempts them from copayments for any medical care associated with that disease, regardless of their income level. The ALD procedure comprises a list of 30 (mostly chronic) diseases or disease groups.

$$\text{cost_year2_id}_j = \hat{c}_{i|d_j=3} - \hat{c}_{i|d_j=0}$$

$$\text{cost_year3_id}_j = \hat{c}_{i|d_j=4} - \hat{c}_{i|d_j=0}$$

with:

- cost_year0_id_j : cost associated with disease d_j in strata i if diagnosis date in [01.07.2013-30.06.2014] and no comorbidity
- $\hat{c}_{i|d_j=1}$: predicted outcome in strata i for individuals with disease d_j (diagnosis date in [01.07.2013-30.06.2014] and no comorbidity)
- ...

Costs are estimated on the subsample of individuals with at least one comorbidity using the exact same approach.

- Second approach: with two-way interactions

In this second approach, no stratification is applied (except for gender). The two-stage model is performed on the whole sample. In the gamma-regression part of the two-stage model, ten 3-level disease group variables are added (cancer, cirrhosis, heart disease, diabetes, COPD, stroke, major depression, CKD, neurologic disorders, alcohol abuse disorders):

- 0: absence of the considered disease (reference)
- 1: presence of the considered disease with diagnosis date estimated before 01.07.2014

All two-way interactions between these variables are entered in the model. This allows to estimate the cost of specific comorbidities (cost of cancer with diabetes as comorbidity for example) which is not possible with the first approach.

For example, in a given strata i , the cost of disease d_j alone is estimated as follows:

$$\text{cost_year2_id}_j = \left[\hat{c}_{i|d_j=2, d_{k \neq j}=0, d_{kl, l \neq j}=0, d_{jk, k \neq j}=2*0} \right] - \left[\hat{c}_{i|d_j=0, d_{k \neq j}=0, d_{kl, l \neq j}=0, d_{jk, k \neq j}=0*0} \right]$$

with:

- cost_year2_id_j : cost associated with disease d_j in strata i (diagnosis before 01.07.2011 and no other comorbidity)
- $\hat{c}_i$: predicted outcome in strata i
- d_i : disease variable for disease d_j (main effect)
- d_{ij} : interaction variable between disease d_i and d_j

Using this approach, the cost of disease d_j with disease d_m as (only) comorbidity can be estimated as follows:

$$cost_year2_{id_{jm}} = \left[\hat{c}_{i|d_j=2, d_m=2, d_{k \neq j, m}=0, d_{kl_{k,l \neq j, m}}=0*0, d_{jm}=2*2, d_{jk_{k \neq m}}=2*0, d_{mk_{k \neq j}}=2*0} \right] -$$

$$\left[\hat{c}_{i|d_j=0, d_m=2, d_{k \neq j, m}=0, d_{kl_{k,l \neq j, m}}=0*0, d_{jm}=0*2, d_{jk_{k \neq m}}=0*0, d_{mk_{k \neq j}}=2*0} \right]$$

with:

- $cost_year2_{id_{jm}}$: cost associated with disease d_j in strata i with disease d_m as only comorbidity (diagnosis before 01.07.2011 for both diseases)

Analysis is stratified on gender. The two-stage models are adjusted on age and the presence of a long-standing disease that is not included in the ten disease groups selected for Fresher.

2.3.3 Software

All statistical analyses are performed using SAS software, version 9.3 (SAS Institute Inc., Cary, NC).

3 Results

3.1 Average per capita health expenditure in 2014

In 2014, the average per capita health expenditure is estimated at 2 684€ ($\pm 7646\text{€}$ - Figure 1, Table 2). Costs are significantly higher among women for people aged under 50 and significantly higher among men among the older ones (Figure 1, Table 2).

Figure 1. Average per capita health expenditure in 2014 according to age and gender (n = 476 252)

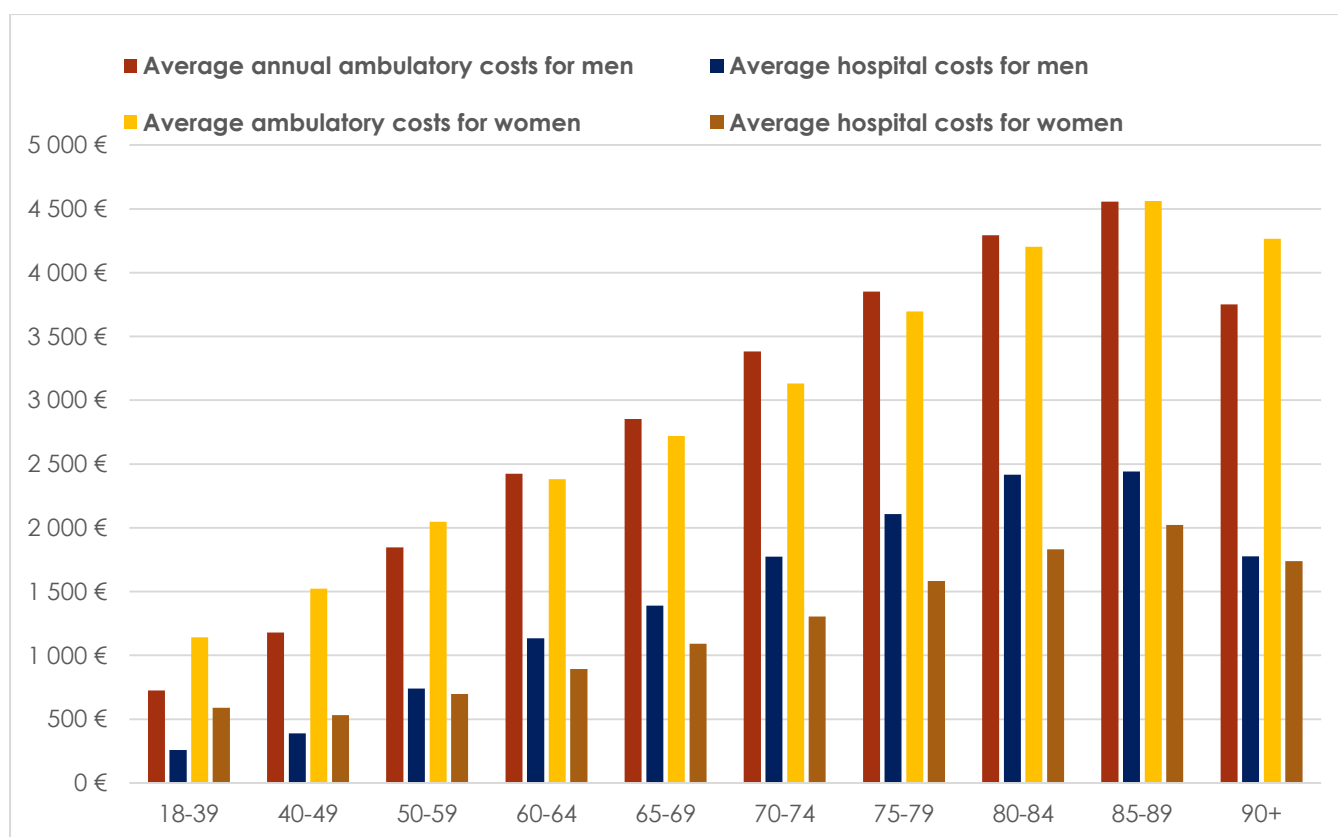


Table 2a. Average per capita health expenditure in 2014 according to age and gender (n = 476 252)

Age	Gender	Ambulatory cost (€)		Hospital cost (€)		All	
		Mean	Std	Mean	Std	Mean	Std
18-39	Men	725 €	3 404 €	259 €	2 496 €	984 €	4 591 €
	Women	1 141 €	2 807 €	588 €	3 133 €	1 729 €	4 725 €
40-49	Men	1 178 €	3 944 €	388 €	2 907 €	1 566 €	5 522 €
	Women	1 523 €	3 582 €	533 €	3 743 €	2 056 €	5 950 €
50-59	Men	1 846 €	5 091 €	740 €	4 426 €	2 586 €	7 894 €
	Women	2 047 €	4 604 €	698 €	4 495 €	2 745 €	7 514 €
60-64	Men	2 424 €	5 581 €	1 133 €	5 800 €	3 557 €	9 695 €
	Women	2 380 €	4 997 €	893 €	5 012 €	3 273 €	8 606 €
65-69	Men	2 852 €	6 101 €	1 390 €	6 180 €	4 242 €	10 619 €
	Women	2 719 €	5 507 €	1 091 €	5 516 €	3 811 €	9 432 €
70-74	Men	3 381 €	6 504 €	1 773 €	7 203 €	5 155 €	11 673 €
	Women	3 131 €	5 523 €	1 303 €	5 771 €	4 435 €	9 519 €
75-79	Men	3 851 €	6 867 €	2 106 €	7 237 €	5 957 €	12 174 €
	Women	3 697 €	6 098 €	1 582 €	5 811 €	5 279 €	10 327 €
80-84	Men	4 294 €	7 007 €	2 417 €	7 628 €	6 711 €	12 773 €
	Women	4 202 €	6 659 €	1 830 €	6 094 €	6 032 €	10 956 €
85-89	Men	4 556 €	7 256 €	2 441 €	6 960 €	6 997 €	12 162 €
	Women	4 562 €	6 545 €	2 021 €	5 909 €	6 583 €	10 465 €
90+	Men	3 750 €	6 883 €	1 775 €	5 273 €	5 525 €	10 603 €
	Women	4 264 €	6 741 €	1 740 €	5 195 €	6 004 €	9 758 €
All		1 882 €	4 709 €	802 €	4 414 €	2 684 €	7 646 €

Table 2b. Average per capita health expenditure in 2014 according to age and gender among persons with no NCD*(n = 361 218)

Age	Gender	Ambulatory cost (€)		Hospital cost (€)		All	
		Mean	Std	Mean	Std	Mean	Std
18-39	Men	595 €	2 911 €	186 €	1 897 €	781 €	3 665 €
	Women	991 €	2 394 €	484 €	2 386 €	1 475 €	3 683 €
40-49	Men	848 €	2 809 €	218 €	1 990 €	1 066 €	3 739 €
	Women	1 171 €	2 646 €	315 €	2 306 €	1 486 €	3 825 €
50-59	Men	1 187 €	3 403 €	338 €	2 640 €	1 525 €	4 779 €
	Women	1 459 €	3 247 €	349 €	2 776 €	1 809 €	4 714 €
60-64	Men	1 409 €	3 282 €	465 €	3 331 €	1 874 €	5 213 €
	Women	1 563 €	2 999 €	428 €	2 940 €	1 991 €	4 859 €
65-69	Men	1 573 €	3 551 €	549 €	3 023 €	2 122 €	5 305 €
	Women	1 757 €	3 154 €	559 €	3 448 €	2 316 €	5 541 €
70-74	Men	1 863 €	4 043 €	714 €	4 137 €	2 576 €	6 561 €
	Women	1 947 €	2 940 €	673 €	3 831 €	2 621 €	5 463 €
75-79	Men	1 994 €	3 631 €	935 €	4 608 €	2 929 €	6 922 €
	Women	2 277 €	3 732 €	861 €	4 039 €	3 138 €	6 496 €
80-84	Men	2 192 €	4 129 €	990 €	4 703 €	3 182 €	7 319 €
	Women	2 537 €	3 815 €	945 €	4 019 €	3 483 €	6 553 €
85-89	Men	2 271 €	3 766 €	1 142 €	5 365 €	3 414 €	7 471 €
	Women	2 627 €	3 804 €	954 €	3 212 €	3 581 €	5 854 €
90+	Men	1 542 €	3 515 €	617 €	2 671 €	2 158 €	5 109 €
	Women	2 470 €	4 829 €	778 €	3 888 €	3 247 €	7 016 €
All		1 141 €	3 018 €	386 €	2 623 €	1 527 €	4 446 €

*: No NCD among the ten disease groups selected for FRESHER and no ongoing long standing diseases for another chronic condition.

Table 2c. Average per capita health expenditure in 2014 according to age and gender among persons with no NCD*(n = 374 827)

Age	Gender	Ambulatory cost (€)		Hospital cost (€)		All	
		Mean	Std	Mean	Std	Mean	Std
18-39	Men	637 €	3 068 €	208 €	2 075 €	845 €	3 927 €
	Women	1 031 €	2 483 €	509 €	2 505 €	1 540 €	3 847 €
40-49	Men	917 €	2 972 €	257 €	2 331 €	1 173 €	4 109 €
	Women	1 234 €	2 816 €	353 €	2 540 €	1 587 €	4 148 €
50-59	Men	1 284 €	3 651 €	396 €	2 995 €	1 679 €	5 213 €
	Women	1 522 €	3 334 €	386 €	2 909 €	1 908 €	4 902 €
60-64	Men	1 519 €	3 425 €	523 €	3 431 €	2 042 €	5 468 €
	Women	1 642 €	3 211 €	476 €	3 150 €	2 118 €	5 184 €
65-69	Men	1 738 €	3 942 €	654 €	3 576 €	2 392 €	6 287 €
	Women	1 866 €	3 389 €	616 €	3 574 €	2 483 €	5 843 €
70-74	Men	2 060 €	4 147 €	885 €	4 738 €	2 945 €	7 196 €
	Women	2 131 €	3 467 €	763 €	3 905 €	2 895 €	5 989 €
75-79	Men	2 277 €	4 284 €	1 038 €	4 720 €	3 315 €	7 379 €
	Women	2 449 €	3 837 €	970 €	4 333 €	3 419 €	6 770 €
80-84	Men	2 495 €	4 154 €	1 235 €	5 355 €	3 730 €	7 878 €
	Women	2 799 €	4 189 €	1 114 €	4 481 €	3 913 €	7 252 €
85-89	Men	2 628 €	4 208 €	1 227 €	5 043 €	3 855 €	7 481 €
	Women	3 081 €	4 450 €	1 199 €	3 856 €	4 280 €	6 916 €
90+	Men	2 024 €	3 950 €	823 €	2 960 €	2 847 €	5 765 €
	Women	2 802 €	4 942 €	978 €	4 131 €	3 779 €	7 232 €
All		1 244 €	3 226 €	442 €	2 881 €	1 687 €	4 835 €

*: No NCD among the ten disease groups selected for FRESHER

3.2 Average per capita health expenditure in 2014 according to type of disease

All costs reported in this section are per capita health expenditure in 2014. These are not “extra-costs” specifically associated with each disease. These health expenditure estimates cover 1) health expenditure associated with the disease 2) health expenditure which can be attributable to other diseases (‘in the presence of comorbidity(ies)’) 3) “residual health expenditure” (i.e. not associate with any disease selected for this COI study).

3.2.1 Stroke

Table 3.1. Average per capita health expenditure in 2014 for patients with Acute haemorrhagic stroke

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011				
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	
Men	18-39	984 €	3	16 607 €	13 811 €	16.9	14	8 339 €	12 488 €	8.5	5	6 747 €	11 187 €	6.9	34	8 153 €	19 861 €	8.3
	40-49	1 566 €	10	8 866 €	11 095 €	5.7	9	20 450 €	38 662 €	13.1	8	12 986 €	14 068 €	8.3	32	6 337 €	7 889 €	4.0
	50-59	2 586 €	11	39 835 €	59 265 €	15.4	19	4 812 €	5 581 €	1.9	15	6 969 €	9 049 €	2.7	46	10 386 €	22 695 €	4.0
	60-64	3 557 €	13	50 750 €	53 020 €	14.3	12	8 418 €	9 050 €	2.4	10	9 160 €	7 759 €	2.6	37	10 970 €	25 207 €	3.1
	65-69	4 242 €	10	25 557 €	26 714 €	6.0	9	12 709 €	17 032 €	3.0	10	6 024 €	5 964 €	1.4	29	6 546 €	6 633 €	1.5
	70-74	5 155 €	6	42 406 €	50 911 €	8.2	5	18 752 €	21 540 €	3.6	5	5 202 €	3 083 €	1.0	21	7 601 €	8 933 €	1.5
	75-79	5 957 €	7	16 409 €	12 233 €	2.8	7	10 802 €	11 076 €	1.8	5	19 488 €	28 256 €	3.3	22	10 509 €	25 499 €	1.8
	80-84	6 711 €	8	20 037 €	19 157 €	3.0	9	6 018 €	5 294 €	0.9	11	10 558 €	9 423 €	1.6	26	6 405 €	5 801 €	1.0
	85-89	6 997 €	4	5 225 €	2 388 €	0.7	8	14 794 €	12 535 €	2.1	7	12 189 €	12 912 €	1.7	14	14 079 €	17 413 €	2.0
	90+	5 525 €	3	20 938 €	19 102 €	3.8	2	12 610 €	9 897 €	2.3	2	7 543 €	5 711 €	1.4	5	13 697 €	26 599 €	2.5
Women	18-39	1 729 €	7	26 197 €	28 478 €	15.2	6	3 482 €	5 438 €	2.0	8	2 110 €	1 717 €	1.2	24	6 223 €	15 226 €	3.6
	40-49	2 056 €	13	16 966 €	9 313 €	8.3	4	8 211 €	14 674 €	4.0	7	8 805 €	16 514 €	4.3	23	8 870 €	26 251 €	4.3
	50-59	2 745 €	11	26 157 €	29 300 €	9.5	8	23 994 €	35 710 €	8.7	10	12 273 €	17 672 €	4.5	47	6 710 €	9 732 €	2.4
	60-64	3 273 €	4	32 483 €	31 585 €	9.9	5	3 448 €	2 265 €	1.1	7	3 471 €	3 722 €	1.1	21	5 805 €	10 735 €	1.8
	65-69	3 811 €	7	30 929 €	24 122 €	8.1	6	6 183 €	6 541 €	1.6	6	7 988 €	7 929 €	2.1	19	10 837 €	17 618 €	2.8
	70-74	4 435 €	6	24 281 €	19 858 €	5.5	3	6 214 €	1 988 €	1.4	3	4 412 €	3 402 €	1.0	18	11 393 €	18 617 €	2.6
	75-79	5 279 €	10	28 933 €	39 545 €	5.5	11	6 976 €	9 246 €	1.3	12	6 610 €	5 479 €	1.3	19	13 754 €	10 482 €	2.6
	80-84	6 032 €	11	15 074 €	18 304 €	2.5	13	8 034 €	7 124 €	1.3	8	3 655 €	2 955 €	0.6	28	7 575 €	8 963 €	1.3
	85-89	6 583 €	11	29 359 €	38 313 €	4.5	15	13 917 €	9 692 €	2.1	8	5 004 €	3 446 €	0.8	20	5 909 €	7 247 €	0.9
	90+	6 004 €	5	8 831 €	10 778 €	1.5	11	5 180 €	2 355 €	0.9	8	5 466 €	9 114 €	0.9	15	4 382 €	6 371 €	0.7
All	2 684 €	160	25 696 €	32 840 €	9.6	176	9 888 €	15 071 €	3.7	155	7 826 €	10 537 €	2.9	500	8 471 €	16 295 €	3.2	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.2. Average per capita health expenditure in 2014 for patients with Acute ischemic stroke

		Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
			N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39	984 €	9	26 192 €	43 343 €	26.6	7	5 864 €	7 762 €	6.0	11	10 254 €	20 692 €	10.4	14	3 330 €	5 707 €	3.4
	40-49	1 566 €	27	14 429 €	23 243 €	9.2	11	11 235 €	25 400 €	7.2	13	3 659 €	5 804 €	2.3	35	5 096 €	11 168 €	3.3
	50-59	2 586 €	43	18 151 €	28 823 €	7.0	36	4 316 €	4 027 €	1.7	31	4 270 €	5 974 €	1.7	113	6 063 €	14 034 €	2.3
	60-64	3 557 €	40	24 939 €	30 492 €	7.0	29	8 979 €	12 078 €	2.5	39	4 426 €	4 803 €	1.2	89	5 596 €	8 721 €	1.6
	65-69	4 242 €	40	16 632 €	31 695 €	3.9	25	10 927 €	13 931 €	2.6	28	12 078 €	27 318 €	2.8	112	8 427 €	18 095 €	2.0
	70-74	5 155 €	27	19 765 €	27 478 €	3.8	30	7 648 €	9 035 €	1.5	37	8 047 €	8 624 €	1.6	71	6 949 €	10 245 €	1.3
	75-79	5 957 €	46	17 339 €	24 223 €	2.9	28	9 437 €	10 326 €	1.6	31	18 929 €	31 414 €	3.2	103	7 993 €	10 862 €	1.3
	80-84	6 711 €	34	14 298 €	13 385 €	2.1	39	13 522 €	21 100 €	2.0	32	12 569 €	14 282 €	1.9	112	9 916 €	15 697 €	1.5
	85-89	6 997 €	30	12 544 €	9 719 €	1.8	28	13 155 €	23 800 €	1.9	25	9 674 €	10 076 €	1.4	57	8 931 €	15 737 €	1.3
	90+	5 525 €	12	11 488 €	11 243 €	2.1	13	8 864 €	9 825 €	1.6	11	11 804 €	7 956 €	2.1	28	9 470 €	8 818 €	1.7
Women	18-39	1 729 €	10	5 647 €	4 435 €	3.3	8	2 929 €	2 612 €	1.7	12	1 878 €	1 430 €	1.1	25	3 541 €	4 323 €	2.0
	40-49	2 056 €	10	14 134 €	16 327 €	6.9	12	6 355 €	8 191 €	3.1	8	8 342 €	8 629 €	4.1	38	4 224 €	5 323 €	2.1
	50-59	2 745 €	25	20 143 €	28 646 €	7.3	18	4 120 €	3 952 €	1.5	21	5 235 €	6 338 €	1.9	61	11 816 €	21 162 €	4.3
	60-64	3 273 €	8	24 459 €	35 517 €	7.5	18	8 159 €	8 490 €	2.5	12	7 428 €	14 657 €	2.3	37	6 218 €	9 275 €	1.9
	65-69	3 811 €	24	28 616 €	37 917 €	7.5	21	8 361 €	10 300 €	2.2	17	16 753 €	39 934 €	4.4	47	5 204 €	5 494 €	1.4
	70-74	4 435 €	27	13 821 €	11 379 €	3.1	14	17 560 €	22 221 €	4.0	14	14 832 €	27 427 €	3.3	59	10 921 €	18 559 €	2.5
	75-79	5 279 €	35	13 388 €	11 714 €	2.5	42	8 485 €	9 559 €	1.6	32	9 718 €	10 699 €	1.8	76	9 816 €	13 131 €	1.9
	80-84	6 032 €	55	17 277 €	23 051 €	2.9	63	8 825 €	9 798 €	1.5	28	9 209 €	8 501 €	1.5	103	8 226 €	11 245 €	1.4
	85-89	6 583 €	51	17 394 €	16 612 €	2.6	56	9 776 €	8 599 €	1.5	47	12 804 €	22 216 €	1.9	113	7 852 €	12 655 €	1.2
	90+	6 004 €	34	13 731 €	10 692 €	2.3	43	8 123 €	9 411 €	1.4	26	7 242 €	11 096 €	1.2	85	8 080 €	9 869 €	1.3
	2 684 €	587	17 257 €	23 559 €	6.4	541	9 075 €	12 716 €	3.4	475	9 688 €	17 640 €	3.6	1378	7 844 €	13 272 €	2.9	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.3. Average per capita health expenditure in 2014 for patients with Chronic stroke

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39		984 €	1 129 505 €	.	131.6	1 8 267 €	.	8.4	2 764 €	786 €	0.8	6 12 035 €	23 170 €	12.2		
	40-49		1 566 €	3 11 732 €	1 607 €	7.5	1 578 €	.	0.4	2 51 784 €	68 645 €	33.1	18 4 515 €	5 462 €	2.9		
	50-59		2 586 €	8 6 464 €	5 236 €	2.5	4 3 113 €	3 666 €	1.2	6 8 201 €	11 821 €	3.2	41 9 001 €	17 715 €	3.5		
	60-64		3 557 €	5 9 240 €	4 933 €	2.6	6 15 039 €	12 980 €	4.2	7 8 368 €	9 568 €	2.4	40 6 267 €	9 960 €	1.8		
	65-69		4 242 €	4 2 267 €	1 461 €	0.5	4 41 982 €	29 917 €	9.9	2 6 598 €	5 247 €	1.6	45 11 901 €	20 758 €	2.8		
	70-74		5 155 €	5 6 205 €	4 575 €	1.2	4 3 910 €	3 994 €	0.8	3 1 215 €	894 €	0.2	29 11 510 €	12 722 €	2.2		
	75-79		5 957 €	5 19 300 €	27 740 €	3.2	2 5 183 €	3 893 €	0.9	6 8 250 €	8 535 €	1.4	41 9 619 €	13 426 €	1.6		
	80-84		6 711 €	5 6 777 €	3 539 €	1.0	5 6 292 €	2 670 €	0.9	10 10 265 €	14 615 €	1.5	49 7 941 €	7 058 €	1.2		
	85-89		6 997 €	4 8 855 €	13 846 €	1.3	5 9 697 €	9 286 €	1.4	5 6 776 €	7 522 €	1.0	19 5 803 €	5 517 €	0.8		
	90+		5 525 €	1 2 605 €	.	0.5	3 21 232 €	12 086 €	3.8	0 .	.	.	17 9 263 €	13 829 €	1.7		
Women	18-39		1 729 €	0 .	.	.	0 .	.	.	0 .	.	.	6 18 611 €	38 930 €	10.8		
	40-49		2 056 €	2 9 934 €	10 819 €	4.8	2 2 523 €	276 €	1.2	1 641 €	.	0.3	10 3 311 €	3 424 €	1.6		
	50-59		2 745 €	3 4 862 €	3 981 €	1.8	4 4 393 €	2 403 €	1.6	2 1 811 €	1 462 €	0.7	36 7 759 €	13 452 €	2.8		
	60-64		3 273 €	2 2 723 €	600 €	0.8	5 4 748 €	7 374 €	1.5	3 7 899 €	5 981 €	2.4	31 9 625 €	13 171 €	2.9		
	65-69		3 811 €	3 11 046 €	10 274 €	2.9	3 7 369 €	5 612 €	1.9	3 3 330 €	1 812 €	0.9	25 16 339 €	30 232 €	4.3		
	70-74		4 435 €	5 23 334 €	25 115 €	5.3	3 10 109 €	13 401 €	2.3	5 34 317 €	44 245 €	7.7	26 11 460 €	21 838 €	2.6		
	75-79		5 279 €	6 11 090 €	10 381 €	2.1	7 9 814 €	14 656 €	1.9	6 5 884 €	5 210 €	1.1	33 9 458 €	16 582 €	1.8		
	80-84		6 032 €	10 10 161 €	11 822 €	1.7	5 6 261 €	3 139 €	1.0	10 12 122 €	12 842 €	2.0	42 8 819 €	9 822 €	1.5		
	85-89		6 583 €	11 6 137 €	3 891 €	0.9	11 12 352 €	11 713 €	1.9	5 8 902 €	7 186 €	1.4	50 6 852 €	7 408 €	1.0		
	90+		6 004 €	6 8 816 €	11 363 €	1.5	4 12 886 €	7 826 €	2.1	2 8 587 €	8 736 €	1.4	42 5 577 €	7 672 €	0.9		
			2 684 €	89 10 667 €	17 199 €	4.0	79 10 574 €	13 175 €	3.9	80 10 544 €	18 072 €	3.9	606 8 881 €	14 769 €	3.3		

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.4. in 2014 for patients with Acute haemorrhagic/ischemic and chronic stroke

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011				
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	
Men	18-39	984 €	12	23 796 €	37 679 €	24.2	21	7 514 €	10 994 €	7.6	15	9 439 €	18 527 €	9.6	52	7 577 €	17 944 €	7.7
	40-49	1 566 €	36	13 269 €	20 855 €	8.5	20	15 382 €	31 481 €	9.8	20	9 906 €	22 164 €	6.3	74	4 540 €	6 076 €	2.9
	50-59	2 586 €	56	17 594 €	30 452 €	6.8	54	4 406 €	4 595 €	1.7	45	5 074 €	7 156 €	2.0	172	8 181 €	18 359 €	3.2
	60-64	3 557 €	49	29 801 €	37 954 €	8.4	42	9 306 €	11 691 €	2.6	50	5 157 €	5 798 €	1.4	151	7 091 €	14 910 €	2.0
	65-69	4 242 €	51	17 339 €	30 648 €	4.1	35	13 904 €	18 529 €	3.3	35	10 328 €	24 639 €	2.4	164	7 952 €	15 880 €	1.9
	70-74	5 155 €	35	19 700 €	27 974 €	3.8	35	8 884 €	11 759 €	1.7	43	7 582 €	8 136 €	1.5	109	8 166 €	11 078 €	1.6
	75-79	5 957 €	58	17 396 €	23 096 €	2.9	32	9 358 €	10 709 €	1.6	38	18 656 €	29 899 €	3.1	147	8 265 €	13 508 €	1.4
	80-84	6 711 €	45	14 400 €	14 176 €	2.1	50	11 991 €	18 929 €	1.8	47	11 581 €	13 882 €	1.7	164	8 906 €	13 533 €	1.3
	85-89	6 997 €	36	11 761 €	9 917 €	1.7	37	12 815 €	21 477 €	1.8	35	9 635 €	10 416 €	1.4	82	8 041 €	13 537 €	1.1
	90+	5 525 €	15	10 776 €	10 526 €	2.0	16	10 406 €	10 138 €	1.9	11	10 488 €	6 411 €	1.9	46	10 083 €	13 333 €	1.8
Women	18-39	1 729 €	16	14 449 €	21 214 €	8.4	12	3 293 €	4 201 €	1.9	20	1 971 €	1 511 €	1.1	54	6 403 €	16 513 €	3.7
	40-49	2 056 €	21	15 537 €	13 073 €	7.6	17	6 555 €	9 399 €	3.2	13	8 773 €	13 130 €	4.3	64	5 380 €	15 960 €	2.6
	50-59	2 745 €	37	21 263 €	28 438 €	7.7	28	9 721 €	20 610 €	3.5	27	7 840 €	12 108 €	2.9	125	9 477 €	17 418 €	3.5
	60-64	3 273 €	13	24 531 €	32 754 €	7.5	26	6 477 €	7 542 €	2.0	20	5 958 €	11 506 €	1.8	76	7 828 €	11 629 €	2.4
	65-69	3 811 €	30	25 565 €	34 617 €	6.7	28	7 855 €	9 279 €	2.1	20	15 362 €	36 851 €	4.0	79	8 692 €	18 140 €	2.3
	70-74	4 435 €	34	16 405 €	15 759 €	3.7	16	11 294 €	14 838 €	2.5	19	19 795 €	32 587 €	4.5	95	10 615 €	18 745 €	2.4
	75-79	5 279 €	47	16 551 €	21 267 €	3.1	57	8 586 €	10 217 €	1.6	44	8 319 €	9 325 €	1.6	118	10 073 €	14 061 €	1.9
	80-84	6 032 €	70	16 409 €	21 869 €	2.7	75	8 491 €	9 136 €	1.4	40	9 446 €	9 727 €	1.6	151	7 680 €	10 125 €	1.3
	85-89	6 583 €	67	16 452 €	19 709 €	2.5	71	10 027 €	8 626 €	1.5	58	9 811 €	15 139 €	1.5	162	7 350 €	11 395 €	1.1
	90+	6 004 €	45	12 531 €	10 748 €	2.1	51	8 320 €	8 857 €	1.4	33	7 395 €	10 708 €	1.2	134	6 764 €	8 757 €	1.1
	2 684 €	773	17 600 €	24 519 €	6.6	723	9 248 €	13 399 €	3.4	633	9 390 €	16 631 €	3.5	2219	8 027 €	14 308 €	3.0	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

3.2.2 Heart disease

Table 3.5 Average per capita health expenditure in 2014 for patients with Acute myocardial infarction

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39	984	165 €	203 €	17.4	15	2 819 €	1 808 €	2.9	11	2 186 €	2 263 €	2.2	18	8 368 €	21 410 €	8.5
	40-49	1 566	536 €	927 €	6.1	47	5 379 €	14 481 €	3.4	44	3 696 €	5 167 €	2.4	116	5 330 €	12 278 €	3.4
	50-59	2 586	667 €	16 423 €	4.5	89	5 020 €	15 941 €	1.9	77	4 175 €	6 010 €	1.6	394	5 800 €	12 832 €	2.2
	60-64	3 557	13 150 €	10 356 €	3.7	53	6 216 €	14 688 €	1.7	54	5 244 €	6 824 €	1.5	222	5 656 €	12 010 €	1.6
	65-69	4 242	20 559 €	22 407 €	4.8	42	6 570 €	6 898 €	1.5	43	5 619 €	7 302 €	1.3	251	6 771 €	14 824 €	1.6
	70-74	5 155	20 010 €	28 141 €	3.9	36	12 360 €	24 312 €	2.4	36	6 115 €	11 535 €	1.2	174	9 602 €	18 004 €	1.9
	75-79	5 957	18 585 €	19 801 €	3.1	35	14 222 €	20 218 €	2.4	41	7 132 €	8 118 €	1.2	159	8 822 €	19 822 €	1.5
	80-84	6 711	17 930 €	22 086 €	2.7	28	7 105 €	8 801 €	1.1	20	11 548 €	17 344 €	1.7	147	9 536 €	15 275 €	1.4
	85-89	6 997	9 801 €	7 853 €	1.4	24	9 787 €	13 620 €	1.4	19	12 658 €	12 258 €	1.8	91	10 417 €	18 236 €	1.5
	90+	5 525	6 163 €	4 205 €	1.1	9	17 171 €	25 621 €	3.1	11	5 414 €	5 902 €	1.0	38	6 022 €	6 536 €	1.1
Women	18-39	1 729	24 271 €	.	14.0	3	3 198 €	2 566 €	1.8	2	1 350 €	1 244 €	0.8	10	3 056 €	4 912 €	1.8
	40-49	2 056	12 525 €	9 927 €	6.1	13	9 927 €	14 962 €	4.8	15	2 940 €	1 963 €	1.4	40	8 875 €	31 401 €	4.3
	50-59	2 745	27 811 €	31 517 €	10.1	20	5 002 €	6 222 €	1.8	16	3 192 €	2 762 €	1.2	66	6 103 €	10 123 €	2.2
	60-64	3 273	13 076 €	13 235 €	4.0	14	12 578 €	29 983 €	3.8	11	16 153 €	29 494 €	4.9	46	10 432 €	17 498 €	3.2
	65-69	3 811	11 500 €	10 609 €	3.0	9	10 100 €	15 246 €	2.7	16	17 245 €	38 225 €	4.5	50	12 601 €	24 884 €	3.3
	70-74	4 435	14 276 €	16 005 €	3.2	14	13 952 €	20 219 €	3.1	16	7 370 €	6 385 €	1.7	49	7 590 €	15 961 €	1.7
	75-79	5 279	21 019 €	40 623 €	4.0	17	6 930 €	6 557 €	1.3	18	7 730 €	9 256 €	1.5	82	10 334 €	13 093 €	2.0
	80-84	6 032	18 588 €	14 366 €	3.1	32	8 537 €	10 190 €	1.4	20	12 487 €	16 377 €	2.1	88	7 844 €	9 316 €	1.3
	85-89	6 583	14 347 €	11 683 €	2.2	19	12 468 €	13 666 €	1.9	15	9 451 €	10 510 €	1.4	103	9 085 €	9 936 €	1.4
	90+	6 004	12 234 €	9 028 €	2.0	20	7 816 €	7 034 €	1.3	17	10 735 €	13 034 €	1.8	62	8 859 €	10 040 €	1.5
	2 684	559	15 258 €	19 020 €	5.7	539	8 096 €	15 432 €	3.0	502	6 891 €	12 127 €	2.6	2206	7 686 €	15 177 €	2.9

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.6. Average per capita health expenditure in 2014 for patients with Chronic ischaemic heart disease

		Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
			N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39	984 €	26	5 531 €	8 606 €	5.6	23	10 134 €	20 321 €	10.3	13	1 572 €	1 765 €	1.6	56	6 048 €	18 112 €	6.1
	40-49	1 566 €	89	10 381 €	12 611 €	6.6	98	5 195 €	11 085 €	3.3	76	4 920 €	10 456 €	3.1	268	5 674 €	14 193 €	3.6
	50-59	2 586 €	243	15 372 €	23 019 €	5.9	199	4 688 €	6 190 €	1.8	197	6 783 €	16 140 €	2.6	1030	6 424 €	14 651 €	2.5
	60-64	3 557 €	164	13 081 €	19 373 €	3.7	173	7 488 €	15 329 €	2.1	175	8 788 €	18 766 €	2.5	930	7 261 €	15 294 €	2.0
	65-69	4 242 €	161	13 686 €	16 659 €	3.2	161	7 027 €	10 519 €	1.7	174	8 946 €	19 193 €	2.1	1159	7 889 €	16 288 €	1.9
	70-74	5 155 €	122	16 705 €	16 788 €	3.2	150	6 822 €	9 363 €	1.3	160	8 004 €	12 684 €	1.6	1046	8 645 €	16 269 €	1.7
	75-79	5 957 €	163	17 635 €	18 805 €	3.0	134	13 121 €	20 007 €	2.2	150	11 852 €	20 237 €	2.0	1115	8 757 €	15 498 €	1.5
	80-84	6 711 €	117	15 549 €	16 392 €	2.3	134	8 916 €	10 262 €	1.3	118	12 017 €	19 165 €	1.8	1013	9 051 €	14 394 €	1.3
	85-89	6 997 €	71	15 453 €	18 066 €	2.2	63	9 123 €	16 197 €	1.3	84	10 180 €	12 113 €	1.5	664	10 241 €	17 024 €	1.5
	90+	5 525 €	47	13 670 €	17 994 €	2.5	29	21 968 €	42 509 €	4.0	48	11 582 €	11 936 €	2.1	280	7 534 €	10 205 €	1.4
Women	18-39	1 729 €	13	18 859 €	43 768 €	10.9	11	3 333 €	4 035 €	1.9	25	7 437 €	27 393 €	4.3	70	3 467 €	6 101 €	2.0
	40-49	2 056 €	21	20 942 €	42 825 €	10.2	31	8 864 €	23 077 €	4.3	18	2 317 €	2 024 €	1.1	91	8 875 €	25 026 €	4.3
	50-59	2 745 €	73	10 881 €	12 938 €	4.0	88	8 370 €	18 342 €	3.0	64	7 953 €	23 561 €	2.9	264	7 958 €	15 545 €	2.9
	60-64	3 273 €	70	19 201 €	27 106 €	5.9	49	10 838 €	18 882 €	3.3	57	11 275 €	19 349 €	3.4	217	8 258 €	18 083 €	2.5
	65-69	3 811 €	71	12 379 €	18 829 €	3.2	71	7 387 €	9 250 €	1.9	84	7 553 €	11 967 €	2.0	294	8 346 €	16 202 €	2.2
	70-74	4 435 €	71	14 591 €	14 657 €	3.3	49	9 304 €	13 752 €	2.1	67	11 396 €	17 415 €	2.6	299	7 848 €	13 307 €	1.8
	75-79	5 279 €	78	16 716 €	20 627 €	3.2	77	8 094 €	8 896 €	1.5	88	8 024 €	10 492 €	1.5	517	9 766 €	17 048 €	1.8
	80-84	6 032 €	96	15 687 €	17 139 €	2.6	124	14 413 €	25 326 €	2.4	106	11 532 €	17 488 €	1.9	651	8 947 €	12 878 €	1.5
	85-89	6 583 €	122	17 281 €	21 258 €	2.6	99	11 112 €	12 367 €	1.7	98	9 970 €	14 043 €	1.5	685	9 142 €	11 700 €	1.4
	90+	6 004 €	70	13 500 €	20 762 €	2.2	82	9 273 €	8 567 €	1.5	86	10 806 €	16 130 €	1.8	530	8 270 €	10 932 €	1.4
	2 684 €	1888	14 949 €	19 656 €	5.6	1845	8 737 €	15 379 €	3.3	1888	9 176 €	16 764 €	3.4	11179	8 276 €	15 086 €	3.1	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.7. Average per capita health expenditure in 2014 for patients with Acute myocardial infarction/Chronic ischaemic heart disease

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39	30	7 725 €	15 580 €	7.9	30	8 132 €	18 090 €	8.3	16	1 710 €	1 719 €	1.7	59	5 820 €	17 700 €	5.9
	40-49	102	10 031 €	12 089 €	6.4	107	4 929 €	10 646 €	3.1	87	4 793 €	9 841 €	3.1	292	5 191 €	13 646 €	3.3
	50-59	269	15 158 €	22 431 €	5.9	217	5 103 €	11 455 €	2.0	218	6 461 €	15 399 €	2.5	1082	5 914 €	13 358 €	2.3
	60-64	180	13 128 €	18 788 €	3.7	182	7 805 €	16 514 €	2.2	190	7 585 €	14 157 €	2.1	950	7 072 €	15 289 €	2.0
	65-69	180	14 461 €	17 232 €	3.4	179	6 998 €	10 192 €	1.6	181	8 507 €	18 510 €	2.0	1174	7 494 €	15 932 €	1.8
	70-74	136	17 352 €	19 751 €	3.4	166	7 949 €	14 107 €	1.5	173	7 848 €	12 632 €	1.5	1038	8 178 €	15 062 €	1.6
	75-79	180	17 582 €	19 179 €	3.0	145	12 782 €	19 497 €	2.1	160	11 082 €	19 373 €	1.9	1121	8 417 €	15 152 €	1.4
	80-84	134	16 208 €	18 046 €	2.4	144	8 405 €	9 379 €	1.3	124	12 010 €	19 247 €	1.8	1011	8 722 €	13 863 €	1.3
	85-89	78	14 939 €	17 481 €	2.1	71	9 350 €	16 475 €	1.3	88	10 762 €	12 288 €	1.5	659	10 010 €	16 933 €	1.4
	90+	50	13 150 €	17 589 €	2.4	34	22 570 €	40 810 €	4.1	50	11 308 €	11 858 €	2.0	285	7 163 €	9 221 €	1.3
Women	18-39	13	18 859 €	43 768 €	10.9	12	3 352 €	3 848 €	1.9	25	7 437 €	27 393 €	4.3	74	3 524 €	6 134 €	2.0
	40-49	26	19 578 €	38 782 €	9.5	37	10 159 €	22 602 €	4.9	24	2 316 €	1 998 €	1.1	102	8 172 €	23 731 €	4.0
	50-59	78	13 095 €	19 178 €	4.8	90	8 212 €	18 165 €	3.0	69	7 632 €	22 729 €	2.8	271	7 196 €	13 177 €	2.6
	60-64	74	18 411 €	26 598 €	5.6	53	12 501 €	23 242 €	3.8	59	11 087 €	19 091 €	3.4	225	8 024 €	16 892 €	2.5
	65-69	72	12 237 €	18 735 €	3.2	72	7 338 €	9 194 €	1.9	90	9 705 €	19 709 €	2.5	298	7 867 €	14 648 €	2.1
	70-74	79	13 813 €	14 196 €	3.1	49	9 217 €	13 727 €	2.1	70	11 146 €	17 078 €	2.5	305	8 093 €	14 476 €	1.8
	75-79	88	18 813 €	27 205 €	3.6	84	7 737 €	8 623 €	1.5	93	8 316 €	10 688 €	1.6	515	9 042 €	14 640 €	1.7
	80-84	112	15 641 €	16 775 €	2.6	134	13 659 €	24 498 €	2.3	110	11 049 €	16 959 €	1.8	662	8 724 €	12 696 €	1.4
	85-89	133	17 165 €	20 549 €	2.6	108	10 753 €	11 913 €	1.6	103	10 126 €	14 111 €	1.5	692	9 034 €	11 785 €	1.4
	90+	80	13 087 €	19 639 €	2.2	88	9 211 €	8 501 €	1.5	88	10 606 €	15 988 €	1.8	536	8 291 €	11 002 €	1.4
		2094	15 122 €	20 133 €	5.6	2002	8 799 €	15 959 €	3.3	2018	8 923 €	16 288 €	3.3	11351	7 924 €	14 465 €	3.0

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

3.2.3 Cancers

Table 3.8. Average per capita health expenditure in 2014 for patients with Stomach cancer

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39	984	€			2	81 034 €	58 763 €	82.4	1	34 €	.	0.0	0	.	.	
	40-49	1 566	€			4	40 357 €	9 252 €	25.8	1	15 710 €	.	10.0	0	.	.	
	50-59	2 586	€			3	43 571 €	44 291 €	16.8	2	22 716 €	8 069 €	8.8	6	20 134 €	30 397 €	7.8
	60-64	3 557	€			3	18 359 €	27 142 €	5.2	4	2 610 €	1 611 €	0.7	3	14 810 €	17 840 €	4.2
	65-69	4 242	€			5	33 235 €	22 860 €	7.8	3	9 068 €	2 158 €	2.1	6	3 178 €	3 694 €	0.7
	70-74	5 155	€			10	42 362 €	26 945 €	8.2	4	4 839 €	3 381 €	0.9	5	4 237 €	3 183 €	0.8
	75-79	5 957	€			7	47 509 €	35 916 €	8.0	4	35 775 €	44 862 €	6.0	0	.	.	
	80-84	6 711	€			2	24 247 €	12 553 €	3.6	4	11 376 €	6 835 €	1.7	1	12 502 €	.	1.9
	85-89	6 997	€			4	8 227 €	3 474 €	1.2	0	.	.		1	0 €	.	0.0
	90+	5 525	€			0	.	.		0	.	.		1	40 €	.	0.0
Women	18-39	1 729	€			2	54 394 €	75 612 €	31.5	1	2 865 €	.	1.7	0	.	.	
	40-49	2 056	€			2	41 967 €	6 765 €	20.4	1	28 378 €	.	13.8	2	8 689 €	8 738 €	4.2
	50-59	2 745	€			2	38 088 €	43 718 €	13.9	2	70 982 €	99 709 €	25.9	0	.	.	
	60-64	3 273	€			1	35 356 €	.	10.8	1	27 775 €	.	8.5	0	.	.	
	65-69	3 811	€			1	14 917 €	.	3.9	0	.	.		1	1 369 €	.	0.4
	70-74	4 435	€			0	.	.		2	3 474 €	1 737 €	0.8	0	.	.	
	75-79	5 279	€			4	35 205 €	10 734 €	6.7	4	20 166 €	20 613 €	3.8	2	4 932 €	1 096 €	0.9
	80-84	6 032	€			5	27 173 €	23 333 €	4.5	3	16 699 €	23 745 €	2.8	2	3 171 €	2 402 €	0.5
	85-89	6 583	€			1	17 455 €	.	2.7	4	14 114 €	7 048 €	2.1	3	11 155 €	13 045 €	1.7
	90+	6 004	€			2	5 035 €	2 708 €	0.8	0	.	.		0	.	.	
	2 684	€				60	35 607 €	29 019 €	13.3	41	17 120 €	26 927 €	6.4	33	8 680 €	15 098 €	3.2
						236	8 551 €	18 887 €	3.2								

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.9. Average per capita health expenditure in 2014 for patients with Colorectal cancer

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011				
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	
Men	18-39	984 €	2	1 319 €	382 €	1.3	10	4 679 €	7 876 €	4.8	7	765 €	948 €	0.8	24	4 254 €	5 966 €	4.3
	40-49	1 566 €	13	20 115 €	17 581 €	12.8	12	23 482 €	27 417 €	15.0	5	8 992 €	13 525 €	5.7	43	4 251 €	7 795 €	2.7
	50-59	2 586 €	26	34 058 €	35 881 €	13.2	31	8 299 €	11 242 €	3.2	23	9 717 €	21 223 €	3.8	107	5 804 €	13 150 €	2.2
	60-64	3 557 €	34	29 512 €	30 287 €	8.3	20	12 071 €	13 916 €	3.4	25	14 195 €	24 887 €	4.0	105	10 090 €	22 764 €	2.8
	65-69	4 242 €	29	37 526 €	30 650 €	8.8	37	21 226 €	32 352 €	5.0	23	15 045 €	32 872 €	3.5	151	8 276 €	15 559 €	2.0
	70-74	5 155 €	24	30 528 €	24 362 €	5.9	20	19 308 €	31 845 €	3.7	31	9 173 €	12 616 €	1.8	128	11 247 €	22 979 €	2.2
	75-79	5 957 €	19	25 841 €	17 416 €	4.3	25	16 016 €	25 310 €	2.7	23	8 654 €	11 539 €	1.5	175	8 456 €	13 929 €	1.4
	80-84	6 711 €	27	33 645 €	27 140 €	5.0	18	18 209 €	25 850 €	2.7	20	17 072 €	22 797 €	2.5	151	9 505 €	16 462 €	1.4
	85-89	6 997 €	12	24 144 €	15 545 €	3.5	16	8 261 €	6 489 €	1.2	11	16 133 €	14 079 €	2.3	107	8 775 €	13 854 €	1.3
	90+	5 525 €	3	13 368 €	11 775 €	2.4	2	22 834 €	12 766 €	4.1	1	25 937 €	.	4.7	41	10 255 €	31 976 €	1.9
Women	18-39	1 729 €	6	26 673 €	44 244 €	15.4	9	3 452 €	3 935 €	2.0	10	13 576 €	34 574 €	7.9	35	2 148 €	3 191 €	1.2
	40-49	2 056 €	8	20 255 €	14 940 €	9.9	12	3 243 €	3 929 €	1.6	12	23 362 €	56 848 €	11.4	42	4 740 €	11 818 €	2.3
	50-59	2 745 €	20	26 177 €	26 306 €	9.5	23	18 636 €	37 083 €	6.8	21	11 576 €	24 561 €	4.2	114	6 702 €	14 686 €	2.4
	60-64	3 273 €	16	25 696 €	12 326 €	7.9	10	6 472 €	7 406 €	2.0	20	6 200 €	12 107 €	1.9	91	6 787 €	13 158 €	2.1
	65-69	3 811 €	13	36 909 €	26 413 €	9.7	22	15 058 €	40 592 €	4.0	20	9 529 €	17 310 €	2.5	126	9 649 €	21 178 €	2.5
	70-74	4 435 €	13	28 606 €	33 401 €	6.5	20	11 945 €	25 829 €	2.7	27	7 249 €	10 272 €	1.6	127	6 949 €	11 984 €	1.6
	75-79	5 279 €	18	18 666 €	9 516 €	3.5	13	12 925 €	23 198 €	2.4	23	5 566 €	5 980 €	1.1	162	10 013 €	21 187 €	1.9
	80-84	6 032 €	31	26 260 €	29 995 €	4.4	30	10 341 €	24 538 €	1.7	22	10 267 €	13 515 €	1.7	171	7 293 €	14 600 €	1.2
	85-89	6 583 €	20	20 477 €	12 698 €	3.1	15	14 067 €	16 910 €	2.1	19	13 406 €	19 232 €	2.0	121	6 989 €	9 910 €	1.1
	90+	6 004 €	12	16 415 €	12 944 €	2.7	5	11 129 €	7 044 €	1.9	4	6 457 €	9 805 €	1.1	100	6 420 €	7 385 €	1.1
	2 684 €	346	27 654 €	25 792 €	10.3	350	13 666 €	24 983 €	5.1	347	10 971 €	21 273 €	4.1	2121	8 034 €	16 368 €	3.0	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.10. Average per capita health expenditure in 2014 for patients with Lung cancer

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011				
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	
Men	18-39	984 €	0	.	.	2	29 341 €	41 494 €	29.8	5	10 200 €	21 304 €	10.4	26	4 030 €	10 774 €	4.1	
	40-49	1 566 €	3	13 200 €	16 108 €	8.4	4	21 542 €	11 547 €	13.8	4	7 756 €	10 651 €	5.0	19	14 405 €	24 393 €	9.2
	50-59	2 586 €	26	32 403 €	24 004 €	12.5	18	26 344 €	28 956 €	10.2	13	5 052 €	6 638 €	2.0	54	10 870 €	22 554 €	4.2
	60-64	3 557 €	23	42 421 €	27 843 €	11.9	19	22 780 €	35 438 €	6.4	14	4 070 €	2 708 €	1.1	58	13 564 €	24 127 €	3.8
	65-69	4 242 €	26	43 139 €	35 481 €	10.2	16	27 361 €	40 058 €	6.4	21	24 399 €	25 825 €	5.8	72	10 351 €	16 843 €	2.4
	70-74	5 155 €	22	54 105 €	48 679 €	10.5	10	29 312 €	21 369 €	5.7	11	23 154 €	24 598 €	4.5	57	10 231 €	20 640 €	2.0
	75-79	5 957 €	11	23 659 €	12 762 €	4.0	8	21 130 €	27 505 €	3.5	13	18 264 €	27 969 €	3.1	53	9 362 €	14 474 €	1.6
	80-84	6 711 €	9	26 432 €	16 293 €	3.9	9	17 697 €	17 760 €	2.6	8	4 437 €	3 862 €	0.7	51	9 911 €	15 087 €	1.5
	85-89	6 997 €	6	21 290 €	7 418 €	3.0	3	17 793 €	12 296 €	2.5	2	5 919 €	183 €	0.8	18	5 290 €	9 902 €	0.8
	90+	5 525 €	2	13 389 €	8 977 €	2.4	2	3 625 €	1 403 €	0.7	0	.	.		10	1 437 €	3 770 €	0.3
Women	18-39	1 729 €	6	12 731 €	25 523 €	7.4	3	4 516 €	5 571 €	2.6	7	2 618 €	2 325 €	1.5	23	8 119 €	28 661 €	4.7
	40-49	2 056 €	3	66 091 €	81 340 €	32.1	3	17 310 €	15 966 €	8.4	7	8 342 €	13 863 €	4.1	30	23 506 €	50 321 €	11.4
	50-59	2 745 €	18	35 163 €	26 489 €	12.8	14	20 253 €	35 060 €	7.4	18	15 574 €	24 745 €	5.7	56	5 351 €	10 825 €	1.9
	60-64	3 273 €	15	28 543 €	14 337 €	8.7	12	24 660 €	42 350 €	7.5	3	13 015 €	16 500 €	4.0	29	10 590 €	22 764 €	3.2
	65-69	3 811 €	6	59 172 €	56 719 €	15.5	8	11 304 €	14 707 €	3.0	9	26 062 €	39 351 €	6.8	36	6 456 €	10 304 €	1.7
	70-74	4 435 €	8	30 024 €	15 085 €	6.8	9	27 106 €	29 514 €	6.1	7	21 326 €	17 726 €	4.8	27	5 070 €	6 913 €	1.1
	75-79	5 279 €	8	27 133 €	24 267 €	5.1	7	16 695 €	11 390 €	3.2	6	14 693 €	14 789 €	2.8	22	9 652 €	12 378 €	1.8
	80-84	6 032 €	6	28 068 €	10 159 €	4.7	2	18 242 €	6 261 €	3.0	4	5 498 €	3 396 €	0.9	25	17 459 €	32 951 €	2.9
	85-89	6 583 €	0	.	.		1	23 927 €	.	3.6	2	9 032 €	2 378 €	1.4	16	4 491 €	4 706 €	0.7
	90+	6 004 €	1	14 168 €	.	2.4	1	1 519 €	.	0.3	3	75 581 €	65 420 €	12.6	9	13 104 €	17 439 €	2.2
	2 684 €	199	35 944 €	31 697 €	13.4	151	22 052 €	28 998 €	8.2	157	15 232 €	23 892 €	5.7	691	9 983 €	21 003 €	3.7	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.11. Average per capita health expenditure in 2014 for patients with Liver cancer

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39		984 €	2 10 999 €	2 990 €	11.2	1 58 681 €	.	59.6	2 5 148 €	6 776 €		5.2	3 373 €	410 €		0.4
	40-49		1 566 €	0	.	.	0	.	.	2 75 493 €	94 320 €		48.2	5 23 630 €	32 499 €		15.1
	50-59		2 586 €	7 24 880 €	23 844 €	9.6	6 35 145 €	51 985 €	13.6	5 35 151 €	33 436 €		13.6	14 35 594 €	44 957 €		13.8
	60-64		3 557 €	4 43 128 €	43 412 €	12.1	4 27 248 €	26 142 €	7.7	6 39 749 €	46 283 €		11.2	9 27 629 €	47 936 €		7.8
	65-69		4 242 €	7 43 999 €	38 307 €	10.4	6 25 526 €	40 074 €	6.0	4 10 533 €	4 905 €		2.5	11 12 640 €	14 403 €		3.0
	70-74		5 155 €	4 13 625 €	18 220 €	2.6	5 17 735 €	19 131 €	3.4	5 22 817 €	27 119 €		4.4	10 14 995 €	10 066 €		2.9
	75-79		5 957 €	5 22 976 €	14 955 €	3.9	6 21 294 €	19 585 €	3.6	5 2 930 €	2 365 €		0.5	10 15 437 €	11 339 €		2.6
	80-84		6 711 €	4 20 887 €	18 852 €	3.1	2 13 152 €	9 431 €	2.0	1 16 714 €	.		2.5	11 8 661 €	11 092 €		1.3
	85-89		6 997 €	1 12 785 €	.	1.8	0	.	.	1 1 155 €	.		0.2	3 1 789 €	1 579 €		0.3
	90+		5 525 €	2 8 151 €	182 €	1.5	0	.	.	0	.	.		0	.	.	
Women	18-39		1 729 €	0	.	.	0	.	.	1 2 749 €	.		1.6	2 1 273 €	100 €		0.7
	40-49		2 056 €	1 54 481 €	.	26.5	0	.	.	1 4 910 €	.		2.4	8 26 748 €	64 001 €		13.0
	50-59		2 745 €	0	.	.	1 186 €	.	0.1	2 18 211 €	22 724 €		6.6	10 6 347 €	7 477 €		2.3
	60-64		3 273 €	4 19 438 €	15 423 €	5.9	2 10 043 €	12 228 €	3.1	2 8 634 €	11 193 €		2.6	6 26 448 €	33 486 €		8.1
	65-69		3 811 €	2 25 064 €	13 860 €	6.6	1 921 €	.	0.2	3 30 016 €	12 245 €		7.9	8 16 973 €	34 591 €		4.5
	70-74		4 435 €	2 13 119 €	13 597 €	3.0	1 24 397 €	.	5.5	3 14 066 €	24 207 €		3.2	2 58 939 €	24 286 €		13.3
	75-79		5 279 €	3 23 099 €	22 551 €	4.4	0	.	.	1 44 011 €	.		8.3	6 19 096 €	22 247 €		3.6
	80-84		6 032 €	2 51 293 €	32 455 €	8.5	1 3 629 €	.	0.6	3 41 463 €	55 681 €		6.9	4 7 228 €	13 139 €		1.2
	85-89		6 583 €	3 11 874 €	1 081 €	1.8	0	.	.	2 4 454 €	6 242 €		0.7	4 1 905 €	2 018 €		0.3
	90+		6 004 €	0	.	.	0	.	.	1 11 291 €	.		1.9	2 20 €	28 €		0.0
			2 684 €	53 25 939 €	25 074 €	9.7	36 22 879 €	30 024 €	8.5	50 22 929 €	32 296 €		8.5	128 17 607 €	30 475 €		6.6

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.12. Average per capita health expenditure in 2014 for patients with Breast cancer

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011				
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	
Women	18-39	1 729 €	23	39 462 €	42 445 €	22.8	24	11 424 €	21 172 €	6.6	26	19 030 €	39 618 €	11.0	71	11 227 €	25 587 €	6.5
	40-49	2 056 €	79	24 505 €	22 066 €	11.9	72	12 027 €	22 681 €	5.8	69	8 997 €	27 107 €	4.4	341	7 474 €	19 292 €	3.6
	50-59	2 745 €	124	21 384 €	18 713 €	7.8	154	8 379 €	15 811 €	3.1	118	5 985 €	14 055 €	2.2	985	4 956 €	12 641 €	1.8
	60-64	3 273 €	62	19 739 €	17 106 €	6.0	67	10 667 €	22 884 €	3.3	60	5 118 €	8 368 €	1.6	695	5 846 €	14 441 €	1.8
	65-69	3 811 €	66	17 342 €	21 160 €	4.6	76	8 375 €	12 293 €	2.2	73	8 907 €	23 655 €	2.3	824	6 773 €	16 373 €	1.8
	70-74	4 435 €	52	22 662 €	24 709 €	5.1	55	18 731 €	25 686 €	4.2	42	5 425 €	5 746 €	1.2	644	6 084 €	12 687 €	1.4
	75-79	5 279 €	34	24 513 €	25 695 €	4.6	41	13 424 €	23 549 €	2.5	59	10 897 €	26 782 €	2.1	664	6 626 €	12 158 €	1.3
	80-84	6 032 €	42	19 167 €	17 872 €	3.2	43	15 517 €	32 766 €	2.6	22	5 098 €	5 102 €	0.8	539	7 528 €	11 822 €	1.2
	85-89	6 583 €	31	17 754 €	24 269 €	2.7	31	7 274 €	9 166 €	1.1	23	8 788 €	10 789 €	1.3	307	8 357 €	11 754 €	1.3
	90+	6 004 €	16	13 123 €	8 222 €	2.2	13	11 675 €	16 706 €	1.9	16	9 150 €	7 702 €	1.5	204	7 590 €	10 971 €	1.3
	2 684 €	529	21 627 €	22 359 €	8.1	576	11 123 €	20 694 €	4.1	508	8 092 €	20 301 €	3.0	5274	6 515 €	14 078 €	2.4	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.13. Average per capita health expenditure in 2014 for patients with Esophageal cancer

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011													
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*										
Men	18-39	984	€	0	.	.	1	143	€	0	€	0.1	0	.	.	2	2 413	€	1 397	€	2.5						
	40-49	1 566	€	0	.	.	1	1 302	€	0	€	0.8	2	6 386	€	3 709	€	4.1	2	669	€	419	€	0.4			
	50-59	2 586	€	2	46 681	€	38 208	€	18.1	5	17 416	€	20 884	€	6.7	5	22 907	€	33 190	€	8.9	10	11 147	€	17 267	€	4.3
	60-64	3 557	€	5	41 976	€	27 906	€	11.8	5	13 555	€	10 396	€	3.8	2	6 271	€	3 500	€	1.8	13	15 773	€	28 474	€	4.4
	65-69	4 242	€	5	33 285	€	30 298	€	7.8	5	8 357	€	10 891	€	2.0	2	1 682	€	136	€	0.4	12	6 040	€	7 489	€	1.4
	70-74	5 155	€	4	46 887	€	25 613	€	9.1	2	11 813	€	12 643	€	2.3	2	33 318	€	46 794	€	6.5	10	4 040	€	2 743	€	0.8
	75-79	5 957	€	2	18 979	€	15 360	€	3.2	0	.	.	.	2	18 727	€	26 024	€	3.1	13	7 651	€	11 976	€	1.3		
	80-84	6 711	€	1	36 988	€	0	€	5.5	1	6 021	€	0	€	0.9	3	37 919	€	55 607	€	5.7	9	7 288	€	13 071	€	1.1
	85-89	6 997	€	1	16 215	€	0	€	2.3	0	.	.	.	0	0	€	0	€	0.0	5	3 352	€	4 056	€	0.5		
	90+	5 525	€	1	11 377	€	0	€	2.1	1	1 004	€	0	€	0.2	0	0	€	0	€	0	0	.	.	.	.	.
Women	18-39	1 729	€	0	.	.	1	239	€	0	€	0.1	0	.	.	4	4 077	€	3 973	€	2.4						
	40-49	2 056	€	1	46 750	€	0	€	22.7	2	6 540	€	4 336	€	3.2	1	133 079	€	0	€	64.7	4	1 027	€	643	€	0.5
	50-59	2 745	€	0	.	.	1	6 035	€	0	€	2.2	1	1 489	€	0	€	0.5	8	5 541	€	10 709	€	2.0			
	60-64	3 273	€	0	.	.	1	3 430	€	0	€	1.0	2	1 357	€	1 289	€	0.4	3	14 831	€	17 244	€	4.5			
	65-69	3 811	€	1	14 917	€	0	€	3.9	0	.	.	.	0	.	.	4	2 025	€	1 676	€	0.5					
	70-74	4 435	€	2	14 764	€	15 520	€	3.3	0	.	.	.	0	.	4	2 081	€	349	€	0.5						
	75-79	5 279	€	0	.	.	1	23 550	€	0	€	4.5	1	1 682	€	0	€	0.3	4	24 205	€	40 141	€	4.6			
	80-84	6 032	€	1	14 673	€	0	€	2.4	0	.	.	.	1	4 869	€	0	€	0.8	2	1 451	€	479	€	0.2		
	85-89	6 583	€	0	.	.	0	.	.	0	.	.	.	1	1 036	€	0	€	0.2								
	90+	6 004	€	1	7 566	€	0	€	1.3	1	2 132	€	0	€	0.4	0	.	.	2	63	€	88	€	0.0			
All	2 684	€	27	32 340	€	24 457	€	12.0	28	9 900	€	11 989	€	3.7	24	21 037	€	36 493	€	7.8	115	7 354	€	15 123	€	2.7	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.14. Average per capita health expenditure in 2014 for patients with Kidney cancer

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39	984	€ 11 576	€ 1 409	11.8	3	€ 3 458	€ 4 922	3.5	0	.	.		4	€ 533	€ 860	0.5
	40-49	1 566	€ 26 556	€ 1 739	17.0	4	€ 3 942	€ 5 895	2.5	4	€ 4 884	€ 5 074	3.1	17	€ 5 017	€ 13 080	3.2
	50-59	2 586	€ 12 14 345	€ 16 534	5.5	12	€ 9 435	€ 12 455	3.6	11	€ 2 558	€ 2 311	1.0	52	€ 11 054	€ 17 265	4.3
	60-64	3 557	€ 11 31 813	€ 43 866	8.9	11	€ 10 444	€ 11 971	2.9	5	€ 10 830	€ 19 061	3.0	39	€ 10 601	€ 20 641	3.0
	65-69	4 242	€ 9 22 083	€ 17 616	5.2	13	€ 7 438	€ 10 107	1.8	8	€ 2 626	€ 3 126	0.6	49	€ 9 795	€ 15 096	2.3
	70-74	5 155	€ 10 30 644	€ 43 825	5.9	5	€ 28 731	€ 43 228	5.6	3	€ 13 620	€ 8 597	2.6	42	€ 6 182	€ 9 578	1.2
	75-79	5 957	€ 7 18 930	€ 13 128	3.2	2	€ 16 728	€ 20 259	2.8	7	€ 5 018	€ 3 910	0.8	42	€ 13 547	€ 25 894	2.3
	80-84	6 711	€ 9 31 843	€ 39 647	4.7	7	€ 12 674	€ 15 910	1.9	5	€ 6 175	€ 6 326	0.9	34	€ 16 905	€ 33 133	2.5
	85-89	6 997	€ 0	€ 0	0.0	2	€ 4 100	€ 3 501	0.6	2	€ 866	€ 1 224	0.1	23	€ 8 468	€ 11 929	1.2
	90+	5 525	€ 0	€ 0	0	.	.		0.2	0	.	.		6	€ 8 327	€ 9 793	1.5
Women	18-39	1 729	€ 4 27 190	€ 25 806	15.7	0	€ 0	€ 0	0.0	3	€ 5 329	€ 4 371	3.1	7	€ 1 719	€ 2 268	1.0
	40-49	2 056	€ 2 1 993	€ 1 471	1.0	2	€ 2 344	€ 1 802	1.1	4	€ 28 890	€ 49 745	14.0	5	€ 3 330	€ 2 284	1.6
	50-59	2 745	€ 5 23 690	€ 21 155	8.6	7	€ 12 005	€ 15 408	4.4	5	€ 24 880	€ 40 369	9.1	36	€ 13 919	€ 27 447	5.1
	60-64	3 273	€ 2 16 164	€ 4 733	4.9	3	€ 1 630	€ 406	0.5	1	€ 4 424	€ 0	1.4	21	€ 8 252	€ 13 142	2.5
	65-69	3 811	€ 2 9 983	€ 7 315	2.6	4	€ 9 207	€ 5 734	2.4	7	€ 8 329	€ 12 870	2.2	28	€ 9 371	€ 21 927	2.5
	70-74	4 435	€ 5 10 036	€ 7 272	2.3	7	€ 3 872	€ 3 330	0.9	3	€ 16 524	€ 26 535	3.7	20	€ 6 208	€ 8 719	1.4
	75-79	5 279	€ 1 2 345	€ 0	0.4	5	€ 7 393	€ 7 786	1.4	1	€ 4 763	€ 0	0.9	22	€ 10 218	€ 12 498	1.9
	80-84	6 032	€ 6 40 200	€ 49 381	6.7	5	€ 4 441	€ 3 317	0.7	4	€ 4 889	€ 6 665	0.8	31	€ 8 975	€ 12 440	1.5
	85-89	6 583	€ 5 9 800	€ 6 702	1.5	1	€ 1 377	€ 0	0.2	4	€ 4 565	€ 3 393	0.7	21	€ 15 288	€ 30 473	2.3
	90+	6 004	€ 4 5 139	€ 4 685	0.9	0	.	.		0	.	.		8	€ 8 334	€ 16 962	1.4
All	2 684	€ 99 22 030	€ 28 964	8.2	94	€ 8 983	€ 14 296	3.3	77	€ 8 341	€ 17 406	3.1	507	€ 10 225	€ 19 625	3.8	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.15. Average per capita health expenditure in 2014 for patients with Pancreatic cancer

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39		984 €														
		1	111 534 €	0 €	113.4	0	.	.		1	187 €	0 €	0.2	8	17 829 €	32 120 €	18.1
	40-49		1 566 €			2	2 420 €	699 €	1.5	2	1 910 €	1 708 €	1.2	4	21 564 €	39 188 €	13.8
	50-59		2 586 €			1	262 €	0 €	0.1	4	42 400 €	42 897 €	16.4	8	7 618 €	7 808 €	2.9
	60-64		3 557 €			3	17 622 €	15 360 €	5.0	2	52 249 €	71 587 €	14.7	9	7 466 €	10 349 €	2.1
	65-69		4 242 €			5	7 600 €	6 262 €	1.8	2	1 656 €	1 437 €	0.4	10	4 130 €	5 836 €	1.0
	70-74		5 155 €			4	6 112 €	4 636 €	1.2	3	27 923 €	37 019 €	5.4	8	26 358 €	49 693 €	5.1
	75-79		5 957 €			2	2 258 €	18 €	0.4	2	6 502 €	3 709 €	1.1	9	16 427 €	25 995 €	2.8
	80-84		6 711 €			2	11 907 €	2 204 €	1.8	2	64 759 €	62 625 €	9.6	11	9 530 €	24 894 €	1.4
	85-89		6 997 €			1	1 071 €	0 €	0.2	1	33 783 €	0 €	4.8	5	5 939 €	9 306 €	0.8
	90+		5 525 €			0	.	.		0	.	.		1	13 885 €	0 €	2.5
Women	18-39		1 729 €			2	23 779 €	32 759 €	13.8	6	16 056 €	38 275 €	9.3	13	2 764 €	2 426 €	1.6
	40-49		2 056 €			5	16 338 €	21 619 €	7.9	2	4 871 €	3 369 €	2.4	10	12 124 €	25 797 €	5.9
	50-59		2 745 €			6	3 523 €	3 674 €	1.3	3	3 106 €	1 676 €	1.1	13	17 680 €	28 536 €	6.4
	60-64		3 273 €			2	25 609 €	3 584 €	7.8	2	2 803 €	808 €	0.9	8	3 154 €	2 460 €	1.0
	65-69		3 811 €			0	.	.		4	30 443 €	20 098 €	8.0	4	16 410 €	20 265 €	4.3
	70-74		4 435 €			5	13 807 €	13 040 €	3.1	2	3 308 €	287 €	0.7	5	29 737 €	43 384 €	6.7
	75-79		5 279 €			5	25 627 €	29 888 €	4.9	1	4 615 €	0 €	0.9	10	19 468 €	30 276 €	3.7
	80-84		6 032 €			2	13 833 €	15 892 €	2.3	1	2 189 €	0 €	0.4	6	6 161 €	3 355 €	1.0
	85-89		6 583 €			0	.	.		3	10 472 €	13 728 €	1.6	5	2 260 €	2 216 €	0.3
	90+		6 004 €			1	19 248 €	0 €	3.2	0	.	.		3	8 569 €	14 807 €	1.4
All		66	34 320 €	29 303 €	12.8	48	12 406 €	15 545 €	4.6	43	19 281 €	31 095 €	7.2	150	12 004 €	23 857 €	4.5

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.16. Average per capita health expenditure in 2014 for patients with Breast/liver/stomach/colorectal/lung/pancreatic/kidney/esophageal cancers

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011					
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*		
Men	18-39	984	€	11 30 746	€ 43 949	€	31.2	23 10 936	€ 24 149	€	11.1	20 5 495	€ 13 499	€	5.6	83 6 794	€ 18 757	€	6.9
	40-49	1 566	€	24 21 619	€ 17 426	€	13.8	30 17 989	€ 27 296	€	11.5	19 13 731	€ 32 233	€	8.8	101 5 515	€ 12 729	€	3.5
	50-59	2 586	€	83 32 593	€ 31 910	€	12.6	80 15 972	€ 28 127	€	6.2	70 11 108	€ 22 913	€	4.3	273 9 820	€ 20 444	€	3.8
	60-64	3 557	€	77 34 402	€ 30 776	€	9.7	67 16 557	€ 27 459	€	4.7	54 15 252	€ 27 849	€	4.3	238 9 243	€ 19 140	€	2.6
	65-69	4 242	€	84 37 116	€ 33 141	€	8.7	90 16 127	€ 26 799	€	3.8	68 12 686	€ 21 900	€	3.0	311 8 796	€ 15 579	€	2.1
	70-74	5 155	€	76 36 748	€ 36 853	€	7.1	46 19 300	€ 28 670	€	3.7	62 14 894	€ 22 436	€	2.9	255 7 761	€ 14 812	€	1.5
	75-79	5 957	€	55 27 534	€ 20 569	€	4.6	49 15 338	€ 22 525	€	2.6	52 10 167	€ 16 968	€	1.7	303 9 543	€ 16 357	€	1.6
	80-84	6 711	€	54 30 862	€ 26 214	€	4.6	44 14 590	€ 18 782	€	2.2	40 13 884	€ 22 447	€	2.1	271 9 175	€ 16 405	€	1.4
	85-89	6 997	€	25 19 152	€ 11 953	€	2.7	24 8 189	€ 7 708	€	1.2	22 11 141	€ 12 792	€	1.6	171 8 383	€ 14 583	€	1.2
	90+	5 525	€	9 12 044	€ 7 078	€	2.2	7 8 936	€ 11 037	€	1.6	2 12 989	€ 18 312	€	2.4	73 7 408	€ 24 435	€	1.3
Women	18-39	1 729	€	40 29 711	€ 38 920	€	17.2	39 9 340	€ 18 195	€	5.4	52 14 603	€ 34 079	€	8.4	156 6 501	€ 19 031	€	3.8
	40-49	2 056	€	102 25 241	€ 24 863	€	12.3	95 11 283	€ 20 762	€	5.5	92 11 034	€ 29 016	€	5.4	423 7 382	€ 20 029	€	3.6
	50-59	2 745	€	171 23 386	€ 20 920	€	8.5	203 10 254	€ 21 087	€	3.7	159 7 664	€ 17 224	€	2.8	1173 5 120	€ 12 557	€	1.9
	60-64	3 273	€	98 22 322	€ 16 071	€	6.8	94 12 146	€ 24 947	€	3.7	84 5 702	€ 9 665	€	1.7	814 6 050	€ 14 684	€	1.8
	65-69	3 811	€	94 21 451	€ 22 047	€	5.6	109 9 477	€ 20 585	€	2.5	112 9 385	€ 16 412	€	2.5	993 6 751	€ 15 783	€	1.8
	70-74	4 435	€	81 23 071	€ 24 243	€	5.2	90 17 529	€ 25 503	€	4.0	78 8 239	€ 11 567	€	1.9	784 5 883	€ 11 870	€	1.3
	75-79	5 279	€	74 24 104	€ 21 304	€	4.6	75 14 614	€ 21 955	€	2.8	92 9 520	€ 22 048	€	1.8	840 6 517	€ 12 056	€	1.2
	80-84	6 032	€	91 22 853	€ 22 334	€	3.8	80 12 111	€ 27 495	€	2.0	57 8 939	€ 16 082	€	1.5	738 7 217	€ 11 939	€	1.2
	85-89	6 583	€	65 18 529	€ 18 908	€	2.8	49 8 905	€ 9 341	€	1.4	55 10 226	€ 13 893	€	1.6	458 7 708	€ 12 383	€	1.2
	90+	6 004	€	35 12 899	€ 10 071	€	2.1	21 10 967	€ 13 766	€	1.8	23 16 918	€ 31 246	€	2.8	321 7 336	€ 10 325	€	1.2
All	2 684	€	1349 26 126	€ 25 914	€	9.7	1315 13 058	€ 23 244	€	4.9	1213 10 401	€ 20 941	€	3.9	8779 6 964	€ 14 705	€	2.6	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

3.2.4 Other diseases

Table 3.17. Average per capita health expenditure in 2014 for patients with Diabetes

		Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
			N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39	984 €	74	6 405 €	18 971 €	6.5	70	6 068 €	13 220 €	6.2	63	2 899 €	3 999 €	2.9	391	5 439 €	13 454 €	5.5
	40-49	1 566 €	145	4 371 €	9 0752 €	2.8	158	3 861 €	8 747 €	2.5	146	3 709 €	9 256 €	2.4	808	5 357 €	11 549 €	3.4
	50-59	2 586 €	321	5 564 €	11 970 €	2.2	355	3 959 €	8 582 €	1.5	282	4 929 €	11 044 €	1.9	2357	5 979 €	12 597 €	2.3
	60-64	3 557 €	199	5 340 €	10 003 €	1.5	187	6 118 €	14 888 €	1.7	200	6 440 €	16 049 €	1.8	2111	7 024 €	14 781 €	2.0
	65-69	4 242 €	164	6 623 €	14 682 €	1.6	194	5 780 €	12 003 €	1.4	205	8 402 €	19 549 €	2.0	2447	7 061 €	14 848 €	1.7
	70-74	5 155 €	91	5 148 €	7 842 €	1.0	111	8 988 €	17 000 €	1.7	132	5 964 €	9 012 €	1.2	1884	8 454 €	16 633 €	1.6
	75-79	5 957 €	85	11 150 €	17 926 €	1.9	101	7 353 €	11 522 €	1.2	89	8 667 €	13 461 €	1.5	1626	8 644 €	15 535 €	1.5
	80-84	6 711 €	45	8 788 €	7 927 €	1.3	69	10 778 €	19 858 €	1.6	69	8 956 €	15 219 €	1.3	1355	9 836 €	16 688 €	1.5
	85-89	6 997 €	28	15 109 €	25 244 €	2.2	32	14 695 €	25 135 €	2.1	44	11 162 €	17 484 €	1.6	637	9 247 €	13 597 €	1.3
	90+	5 525 €	7	10 753 €	10 163 €	1.9	12	5 828 €	5 246 €	1.1	9	6 842 €	8 256 €	1.2	250	9 883 €	15 670 €	1.8
Women	18-39	1 729 €	103	9 131 €	16 484 €	5.3	114	5 148 €	12 492 €	3.0	100	3 884 €	6 218 €	2.2	523	5 509 €	11 959 €	3.2
	40-49	2 056 €	123	6 003 €	10 257 €	2.9	118	6 537 €	17 297 €	3.2	101	5 801 €	11 778 €	2.8	861	5 686 €	12 504 €	2.8
	50-59	2 745 €	207	8 348 €	20 057 €	3.0	207	5 601 €	13 370 €	2.0	199	4 185 €	8 894 €	1.5	1986	6 245 €	12 672 €	2.3
	60-64	3 273 €	122	7 024 €	17 868 €	2.1	121	5 026 €	9 149 €	1.5	155	5 644 €	11 879 €	1.7	1606	6 565 €	13 065 €	2.0
	65-69	3 811 €	129	9 223 €	20 772 €	2.4	125	5 525 €	11 111 €	1.4	150	5 288 €	13 926 €	1.4	1774	7 077 €	13 928 €	1.9
	70-74	4 435 €	94	8 573 €	17 707 €	1.9	92	6 871 €	13 267 €	1.5	110	5 970 €	11 310 €	1.3	1515	7 342 €	13 131 €	1.7
	75-79	5 279 €	77	7 435 €	10 769 €	1.4	81	8 289 €	15 570 €	1.6	108	9 143 €	19 841 €	1.7	1627	8 513 €	14 239 €	1.6
	80-84	6 032 €	75	9 957 €	12 131 €	1.7	86	6 638 €	11 066 €	1.1	83	9 243 €	23 138 €	1.5	1528	8 903 €	13 879 €	1.5
	85-89	6 583 €	54	11 323 €	13 513 €	1.7	58	6 821 €	6 707 €	1.0	63	8 609 €	9 409 €	1.3	1014	9 528 €	12 389 €	1.4
	90+	6 004 €	32	9 357 €	9 030 €	1.6	35	7 051 €	6 956 €	1.2	35	14 453 €	17 176 €	2.4	542	8 819 €	11 491 €	1.5
	2 684 €	2175	7 284 €	14 859 €	2.7	2326	6 046 €	12 853 €	2.3	2343	6 312 €	13 762 €	2.4	26842	7 474 €	14 085 €	2.8	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.18. Average per capita health expenditure in 2014 for patients with CKD

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39		984 €	16 26 634 €	40 193 €	27.1	15 26 320 €	37 224 €	26.8	22 18 099 €	36 796 €	18.4	99 17 405 €	34 017 €	17.7		
	40-49		1 566 €	14 27 500 €	43 348 €	17.6	25 6 699 €	10 015 €	4.3	24 9 114 €	17 685 €	5.8	102 17 588 €	31 084 €	11.2		
	50-59		2 586 €	39 28 351 €	36 353 €	11.0	37 11 129 €	17 854 €	4.3	49 21 991 €	36 741 €	8.5	183 26 169 €	41 546 €	10.1		
	60-64		3 557 €	46 34 944 €	44 665 €	9.8	49 21 611 €	31 618 €	6.1	32 13 925 €	26 269 €	3.9	115 29 389 €	42 716 €	8.3		
	65-69		4 242 €	55 18 257 €	24 110 €	4.3	45 13 314 €	20 037 €	3.1	50 16 809 €	27 020 €	4.0	153 28 535 €	44 580 €	6.7		
	70-74		5 155 €	46 22 458 €	22 064 €	4.4	56 21 408 €	34 331 €	4.2	41 16 950 €	25 941 €	3.3	130 27 000 €	39 186 €	5.2		
	75-79		5 957 €	79 21 709 €	22 471 €	3.6	65 19 436 €	25 144 €	3.3	59 19 475 €	32 671 €	3.3	141 26 791 €	39 643 €	4.5		
	80-84		6 711 €	92 19 683 €	16 298 €	2.9	61 18 010 €	27 760 €	2.7	49 21 421 €	28 022 €	3.2	162 27 725 €	38 047 €	4.1		
	85-89		6 997 €	69 16 380 €	14 323 €	2.3	65 12 616 €	18 689 €	1.8	41 16 202 €	19 819 €	2.3	109 24 301 €	38 368 €	3.5		
	90+		5 525 €	39 9 901 €	7 209 €	1.8	38 11 365 €	10 596 €	2.1	29 16 529 €	21 171 €	3.0	57 15 685 €	36 307 €	2.8		
Women	18-39		1 729 €	24 15 090 €	26 225 €	8.7	33 18 984 €	31 777 €	11.0	39 6 306 €	22 737 €	3.6	131 9 224 €	25 715 €	5.3		
	40-49		2 056 €	11 21 303 €	20 005 €	10.4	18 29 989 €	46 475 €	14.6	23 6 636 €	9 614 €	3.2	102 15 654 €	32 471 €	7.6		
	50-59		2 745 €	32 18 961 €	28 252 €	6.9	26 22 909 €	44 988 €	8.3	32 18 726 €	35 473 €	6.8	127 24 627 €	42 165 €	9.0		
	60-64		3 273 €	32 21 890 €	25 197 €	6.7	29 26 992 €	39 535 €	8.2	29 31 243 €	42 099 €	9.5	86 27 148 €	44 832 €	8.3		
	65-69		3 811 €	29 20 868 €	28 690 €	5.5	25 23 220 €	33 922 €	6.1	36 19 963 €	33 733 €	5.2	103 23 356 €	38 888 €	6.1		
	70-74		4 435 €	32 22 479 €	35 716 €	5.1	24 14 907 €	20 677 €	3.4	36 17 581 €	30 038 €	4.0	92 19 244 €	31 875 €	4.3		
	75-79		5 279 €	70 18 668 €	18 165 €	3.5	54 13 471 €	19 682 €	2.6	49 13 736 €	19 126 €	2.6	108 32 313 €	43 713 €	6.1		
	80-84		6 032 €	92 19 488 €	20 872 €	3.2	80 15 703 €	21 530 €	2.6	64 17 766 €	28 295 €	2.9	162 20 514 €	37 440 €	3.4		
	85-89		6 583 €	121 14 864 €	12 615 €	2.3	93 12 898 €	16 165 €	2.0	96 12 708 €	18 393 €	1.9	133 16 473 €	30 439 €	2.5		
	90+		6 004 €	88 12 308 €	9 633 €	2.1	80 8 632 €	8 510 €	1.4	70 12 954 €	23 851 €	2.2	158 11 625 €	20 961 €	1.9		
			2 684 €	1026 19 311 €	23 518 €	7.2	918 16 124 €	25 385 €	6.0	870 16 333 €	27 437 €	6.1	2453 22 282 €	37 628 €	8.3		

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.19. Average per capita health expenditure in 2014 for patients with COPD

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
18-39	984 €	353	1 913 €	3 062 €	1.9	353	2 178 €	7 747 €	2.2	387	1 538 €	3 710 €	1.6	2101	1 863 €	7 905 €	1.9
40-49	1 566 €	264	6 282 €	17 070 €	4.0	273	2 737 €	5 558 €	1.7	286	3 364 €	7 709 €	2.1	1438	3 004 €	7 390 €	1.9
50-59	2 586 €	356	7 095 €	13 404 €	2.7	355	7 096 €	18 270 €	2.7	378	4 949 €	12 145 €	1.9	1726	5 108 €	11 073 €	2.0
60-64	3 557 €	215	7 756 €	14 761 €	2.2	208	8 495 €	19 257 €	2.4	215	7 522 €	16 811 €	2.1	1098	6 559 €	12 487 €	1.8
65-69	4 242 €	180	8 264 €	12 765 €	1.9	203	6 992 €	12 505 €	1.6	238	8 687 €	16 710 €	2.0	1182	7 262 €	13 491 €	1.7
70-74	5 155 €	140	10 966 €	16 794 €	2.1	155	12 712 €	21 551 €	2.5	165	6 728 €	11 246 €	1.3	970	8 326 €	14 643 €	1.6
75-79	5 957 €	138	9 948 €	15 385 €	1.7	131	7 860 €	9 554 €	1.3	149	10 464 €	20 929 €	1.8	918	9 373 €	13 539 €	1.6
80-84	6 711 €	115	11 941 €	14 969 €	1.8	105	10 767 €	16 284 €	1.6	101	10 778 €	14 772 €	1.6	806	9 379 €	14 763 €	1.4
85-89	6 997 €	57	12 404 €	11 534 €	1.8	53	13 012 €	24 152 €	1.9	72	9 305 €	10 315 €	1.3	473	10 179 €	15 239 €	1.5
90+	5 525 €	31	10 875 €	8 716 €	2.0	32	8 679 €	11 103 €	1.6	36	9 204 €	13 238 €	1.7	182	10 382 €	16 478 €	1.9
18-39	1 729 €	542	3 108 €	6 514 €	1.8	565	3 703 €	12 353 €	2.1	580	2 815 €	6 987 €	1.6	2640	2 723 €	6 114 €	1.6
40-49	2 056 €	339	3 276 €	5 125 €	1.6	315	4 020 €	8 923 €	2.0	398	3 744 €	9 957 €	1.8	1978	3 691 €	8 177 €	1.8
50-59	2 745 €	383	4 591 €	7 665 €	1.7	419	4 959 €	9 639 €	1.8	444	4 128 €	8 836 €	1.5	2397	4 985 €	10 380 €	1.8
60-64	3 273 €	228	5 279 €	7 616 €	1.6	216	5 224 €	10 841 €	1.6	252	4 590 €	7 280 €	1.4	1295	5 451 €	11 127 €	1.7
65-69	3 811 €	199	5 325 €	7 987 €	1.4	215	6 025 €	10 722 €	1.6	179	7 749 €	20 945 €	2.0	1250	5 891 €	10 602 €	1.5
70-74	4 435 €	105	10 575 €	18 755 €	2.4	125	6 781 €	16 336 €	1.5	163	6 038 €	10 546 €	1.4	943	6 885 €	12 457 €	1.6
75-79	5 279 €	119	8 181 €	9 832 €	1.5	135	7 067 €	8 752 €	1.3	134	6 349 €	7 722 €	1.2	973	8 221 €	13 362 €	1.6
80-84	6 032 €	117	12 078 €	17 323 €	2.0	138	8 704 €	15 547 €	1.4	142	9 895 €	14 596 €	1.6	955	8 683 €	12 109 €	1.4
85-89	6 583 €	105	15 276 €	22 228 €	2.3	95	11 537 €	14 524 €	1.8	116	7 605 €	7 507 €	1.2	716	9 356 €	13 752 €	1.4
90+	6 004 €	78	13 233 €	12 118 €	2.2	69	9 541 €	9 828 €	1.6	68	8 807 €	11 629 €	1.5	435	9 277 €	12 593 €	1.5
	2 684 €	4064	6 469 €	12 152 €	2.4	4160	5 994 €	13 305 €	2.2	4503	5 350 €	11 747 €	2.0	24476	5 645 €	11 297 €	2.1

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.20. Average per capita health expenditure in 2014 for patients with Cirrhosis

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011				
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	
Men	18-39	984 €	41	11 851 €	18 389 €	12.0	49	6 793 €	16 908 €	6.9	39	5 486 €	9 501 €	5.6	114	10 166 €	21 320 €	10.3
	40-49	1 566 €	71	13 442 €	18 876 €	8.6	75	9 263 €	20 998 €	5.9	66	9 824 €	24 230 €	6.3	188	11 205 €	25 539 €	7.2
	50-59	2 586 €	116	18 805 €	24 454 €	7.3	103	8 528 €	18 415 €	3.3	97	10 749 €	18 730 €	4.2	366	9 543 €	19 802 €	3.7
	60-64	3 557 €	57	13 474 €	16 374 €	3.8	51	10 069 €	16 494 €	2.8	49	19 266 €	31 016 €	5.4	159	11 262 €	22 956 €	3.2
	65-69	4 242 €	50	19 194 €	24 129 €	4.5	51	17 713 €	28 399 €	4.2	56	10 375 €	15 022 €	2.4	159	10 925 €	19 749 €	2.6
	70-74	5 155 €	22	16 406 €	18 194 €	3.2	29	13 976 €	21 916 €	2.7	25	7 442 €	6 853 €	1.4	113	10 311 €	17 816 €	2.0
	75-79	5 957 €	26	20 410 €	22 565 €	3.4	22	18 762 €	31 733 €	3.1	28	14 035 €	20 479 €	2.4	100	9 170 €	11 044 €	1.5
	80-84	6 711 €	16	13 583 €	12 594 €	2.0	17	12 166 €	16 048 €	1.8	17	11 794 €	14 188 €	1.8	66	12 536 €	18 689 €	1.9
	85-89	6 997 €	10	17 479 €	13 592 €	2.5	7	12 167 €	12 259 €	1.7	4	19 986 €	27 101 €	2.9	21	9 748 €	11 784 €	1.4
	90+	5 525 €	2	13 983 €	4 944 €	2.5	2	8 949 €	2 077 €	1.6	3	3 342 €	5 635 €	0.6	6	11 732 €	24 273 €	2.1
Women	18-39	1 729 €	38	8 917 €	13 315 €	5.2	47	5 724 €	16 194 €	3.3	42	3 687 €	6 591 €	2.1	112	6 046 €	11 748 €	3.5
	40-49	2 056 €	47	11 986 €	17 900 €	5.8	51	12 549 €	35 009 €	6.1	39	6 648 €	15 016 €	3.2	123	12 216 €	27 862 €	5.9
	50-59	2 745 €	40	14 731 €	22 891 €	5.4	51	10 588 €	13 152 €	3.9	53	11 567 €	20 577 €	4.2	224	8 565 €	16 390 €	3.1
	60-64	3 273 €	39	34 882 €	42 433 €	10.7	36	14 594 €	22 532 €	4.5	38	16 654 €	27 787 €	5.1	123	7 724 €	14 488 €	2.4
	65-69	3 811 €	39	18 755 €	23 355 €	4.9	27	17 283 €	29 661 €	4.5	32	8 684 €	9 463 €	2.3	125	10 243 €	19 318 €	2.7
	70-74	4 435 €	32	20 717 €	25 098 €	4.7	15	15 111 €	34 799 €	3.4	25	11 973 €	16 049 €	2.7	78	12 092 €	19 199 €	2.7
	75-79	5 279 €	23	12 757 €	14 007 €	2.4	18	11 284 €	10 532 €	2.1	18	6 119 €	8 388 €	1.2	77	13 410 €	21 602 €	2.5
	80-84	6 032 €	23	26 075 €	25 254 €	4.3	21	7 815 €	7 194 €	1.3	19	17 366 €	44 903 €	2.9	74	10 061 €	17 303 €	1.7
	85-89	6 583 €	12	15 051 €	11 317 €	2.3	17	13 469 €	10 396 €	2.0	15	16 232 €	11 260 €	2.5	39	7 271 €	6 950 €	1.1
	90+	6 004 €	6	9 445 €	6 764 €	1.6	4	7 297 €	8 336 €	1.2	8	20 378 €	18 006 €	3.4	17	8 691 €	12 443 €	1.4
	2 684 €	710	16 954 €	22 793 €	6.3	693	11 175 €	21 778 €	4.2	673	10 971 €	20 254 €	4.1	2284	10 048 €	19 583 €	3.7	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.21. Average per capita health expenditure in 2014 for patients with Major depression

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011				
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	
Men	18-39	984 €	66	3 693 €	6 344 €	3.8	58	3 261 €	6 957 €	3.3	41	1 662 €	1 653 €	1.7	246	2 549 €	5 828 €	2.6
	40-49	1 566 €	77	6 212 €	12 716 €	4.0	71	3 098 €	4 507 €	2.0	48	3 441 €	4 903 €	2.2	437	3 338 €	6 957 €	2.1
	50-59	2 586 €	92	5 380 €	8 021 €	2.1	62	6 108 €	10 515 €	2.4	66	5 083 €	8 133 €	2.0	616	5 003 €	9 129 €	1.9
	60-64	3 557 €	18	5 034 €	6 387 €	1.4	24	5 750 €	8 067 €	1.6	37	7 445 €	19 180 €	2.1	338	4 695 €	8 337 €	1.3
	65-69	4 242 €	8	11 571 €	14 648 €	2.7	9	7 982 €	8 141 €	1.9	7	5 889 €	6 653 €	1.4	263	6 040 €	13 031 €	1.4
	70-74	5 155 €	6	2 840 €	1 433 €	0.6	6	5 538 €	2 249 €	1.1	4	9 830 €	3 620 €	1.9	118	9 442 €	17 489 €	1.8
	75-79	5 957 €	9	14 762 €	9 492 €	2.5	3	4 246 €	2 019 €	0.7	5	5 174 €	3 965 €	0.9	42	8 862 €	14 396 €	1.5
	80-84	6 711 €	6	7 674 €	4 788 €	1.1	6	7 432 €	6 678 €	1.1	3	3 415 €	3 336 €	0.5	27	13 281 €	24 376 €	2.0
	85-89	6 997 €	5	3 562 €	4 714 €	0.5	2	7 112 €	5 453 €	1.0	2	14 559 €	5 673 €	2.1	12	9 996 €	9 323 €	1.4
	90+	5 525 €	1	6 784 €	.	1.2	4	13 501 €	12 892 €	2.4	.	.	.	#VALEUR!	10	4 604 €	6 885 €	0.8
Women	18-39	1 729 €	134	4 125 €	5 785 €	2.4	101	2 410 €	2 885 €	1.4	85	2 447 €	2 923 €	1.4	569	4 205 €	10 670 €	2.4
	40-49	2 056 €	136	4 750 €	6 452 €	2.3	120	4 916 €	7 216 €	2.4	101	3 506 €	4 640 €	1.7	999	3 458 €	4 813 €	1.7
	50-59	2 745 €	144	6 074 €	8 915 €	2.2	131	5 215 €	10 490 €	1.9	108	4 378 €	12 207 €	1.6	1340	5 158 €	11 869 €	1.9
	60-64	3 273 €	31	11 643 €	35 585 €	3.6	37	4 156 €	4 289 €	1.3	43	3 922 €	6 145 €	1.2	716	4 528 €	7 301 €	1.4
	65-69	3 811 €	16	4 816 €	2 540 €	1.3	14	8 068 €	16 219 €	2.1	12	17 302 €	47 888 €	4.5	568	5 526 €	9 300 €	1.5
	70-74	4 435 €	20	5 329 €	3 235 €	1.2	17	5 204 €	6 102 €	1.2	12	7 115 €	7 781 €	1.6	252	7 610 €	12 756 €	1.7
	75-79	5 279 €	18	6 437 €	4 576 €	1.2	17	11 904 €	18 938 €	2.3	16	11 463 €	14 427 €	2.2	140	8 011 €	15 308 €	1.5
	80-84	6 032 €	19	13 167 €	10 295 €	2.2	19	10 145 €	14 788 €	1.7	12	8 570 €	8 587 €	1.4	126	8 810 €	8 524 €	1.5
	85-89	6 583 €	19	7 637 €	6 636 €	1.2	16	8 331 €	7 664 €	1.3	18	9 938 €	8 285 €	1.5	107	8 932 €	11 409 €	1.4
	90+	6 004 €	6	5 947 €	6 044 €	1.0	11	14 411 €	14 399 €	2.4	8	2 543 €	3 299 €	0.4	55	7 063 €	7 783 €	1.2
	2 684 €	831	5 759 €	10 470 €	2.1	728	5 103 €	8 825 €	1.9	628	4 732 €	10 992 €	1.8	6981	5 012 €	9 948 €	1.9	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.22 Average per capita health expenditure in 2014 for patients with Neurologic disorders

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011			
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*
Men	18-39	984	€ 18 374	€ 20 350	18.7	6	€ 22 044	€ 39 313	22.4	9	€ 3 596	€ 3 703	3.7	26	€ 9 901	€ 17 244	10.1
	40-49	1 566	€ 13 912	€ 16 319	8.9	2	€ 16 580	€ 926	10.6	5	€ 11 448	€ 6 583	7.3	24	€ 3 494	€ 5 540	2.2
	50-59	2 586	€ 12 909	€ 14 340	5.0	15	€ 11 579	€ 16 781	4.5	20	€ 6 308	€ 9 996	2.4	57	€ 14 401	€ 28 578	5.6
	60-64	3 557	€ 12 898	€ 12 005	3.6	16	€ 12 102	€ 17 875	3.4	15	€ 12 076	€ 15 997	3.4	41	€ 6 844	€ 10 225	1.9
	65-69	4 242	€ 18 367	€ 23 245	4.3	19	€ 5 242	€ 4 427	1.2	16	€ 7 881	€ 11 283	1.9	57	€ 12 449	€ 21 530	2.9
	70-74	5 155	€ 14 316	€ 18 907	2.8	33	€ 11 432	€ 11 999	2.2	31	€ 9 353	€ 12 505	1.8	62	€ 14 334	€ 26 899	2.8
	75-79	5 957	€ 11 242	€ 11 108	1.9	56	€ 11 624	€ 11 378	2.0	48	€ 9 090	€ 12 422	1.5	115	€ 10 721	€ 16 768	1.8
	80-84	6 711	€ 13 679	€ 17 359	2.0	93	€ 9 907	€ 9 414	1.5	80	€ 8 902	€ 9 165	1.3	152	€ 9 605	€ 14 568	1.4
	85-89	6 997	€ 15 969	€ 16 832	2.3	77	€ 10 103	€ 16 794	1.4	64	€ 8 236	€ 8 834	1.2	148	€ 10 281	€ 17 921	1.5
	90+	5 525	€ 13 694	€ 16 269	2.5	53	€ 11 644	€ 11 299	2.1	26	€ 7 589	€ 8 986	1.4	114	€ 5 690	€ 9 059	1.0
Women	18-39	1 729	€ 14 275	€ 19 784	8.3	4	€ 522	€ 453	0.3	6	€ 1 467	€ 1 729	0.8	37	€ 4 704	€ 7 570	2.7
	40-49	2 056	€ 23 594	€ 20 373	11.5	10	€ 16 611	€ 32 147	8.1	8	€ 4 134	€ 8 527	2.0	34	€ 15 805	€ 29 856	7.7
	50-59	2 745	€ 12 858	€ 15 197	4.7	11	€ 16 278	€ 22 056	5.9	9	€ 31 860	€ 37 221	11.6	38	€ 13 665	€ 24 482	5.0
	60-64	3 273	€ 11 361	€ 9 204	3.5	11	€ 9 394	€ 9 401	2.9	10	€ 19 817	€ 47 330	6.1	29	€ 8 009	€ 9 740	2.4
	65-69	3 811	€ 10 335	€ 13 402	2.7	15	€ 18 522	€ 29 558	4.9	17	€ 7 225	€ 8 335	1.9	54	€ 7 797	€ 10 879	2.0
	70-74	4 435	€ 18 281	€ 25 135	4.1	29	€ 7 076	€ 9 292	1.6	37	€ 12 072	€ 16 360	2.7	77	€ 7 630	€ 9 023	1.7
	75-79	5 279	€ 14 476	€ 15 696	2.7	76	€ 7 317	€ 8 619	1.4	53	€ 9 464	€ 9 245	1.8	188	€ 7 961	€ 10 994	1.5
	80-84	6 032	€ 10 516	€ 9 265	1.7	173	€ 7 715	€ 7 668	1.3	132	€ 8 584	€ 14 294	1.4	388	€ 7 343	€ 14 253	1.2
	85-89	6 583	€ 10 018	€ 9 232	1.5	209	€ 9 388	€ 11 584	1.4	173	€ 7 445	€ 8 187	1.1	540	€ 6 680	€ 9 117	1.0
	90+	6 004	€ 11 559	€ 10 267	1.9	185	€ 7 265	€ 7 869	1.2	144	€ 7 240	€ 7 939	1.2	617	€ 6 581	€ 10 335	1.1
All	2 684	€ 12 454	€ 13 758	4.6	1093	€ 9 247	€ 11 959	3.4	903	€ 8 580	€ 12 265	3.2	2798	€ 8 002	€ 13 954	3.0	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

Table 3.23. Average per capita health expenditure in 2014 for patients with Alcohol use disorders

	Mean in the general population (table 2)	Diagnosis date [01/07/2013- 30/06/2014]				Diagnosis date [01/07/2012- 30/06/2013]				Diagnosis date [01/07/2011- 30/06/2012]				Diagnosis date <01/07/2011				
		N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	N	Mean	Std	Cost ratio*	
Men	18-39	984 €	143	4 392 €	7 530 €	4.5	148	3 106 €	7 311 €	3.2	162	3 041 €	11 671 €	3.1	396	3 194 €	7 504 €	3.2
	40-49	1 566 €	161	9 253 €	14 549 €	5.9	152	6 814 €	13 946 €	4.4	141	6 112 €	16 475 €	3.9	516	5 831 €	13 628 €	3.7
	50-59	2 586 €	167	12 574 €	16 132 €	4.9	180	7 118 €	14 103 €	2.8	193	5 668 €	10 343 €	2.2	713	7 483 €	14 665 €	2.9
	60-64	3 557 €	87	14 806 €	20 894 €	4.2	99	8 186 €	14 671 €	2.3	110	11 403 €	19 595 €	3.2	301	7 806 €	13 990 €	2.2
	65-69	4 242 €	64	17 118 €	21 866 €	4.0	74	9 892 €	16 434 €	2.3	74	5 947 €	8 142 €	1.4	237	9 581 €	19 932 €	2.3
	70-74	5 155 €	35	12 951 €	14 300 €	2.5	49	7 996 €	10 583 €	1.6	43	14 562 €	22 887 €	2.8	155	7 865 €	12 165 €	1.5
	75-79	5 957 €	32	12 400 €	13 710 €	2.1	46	12 160 €	16 796 €	2.0	34	11 035 €	16 026 €	1.9	112	9 833 €	10 711 €	1.7
	80-84	6 711 €	21	24 972 €	20 728 €	3.7	19	12 852 €	17 179 €	1.9	23	13 066 €	18 986 €	1.9	61	8 438 €	11 922 €	1.3
	85-89	6 997 €	13	10 357 €	11 368 €	1.5	11	14 324 €	10 600 €	2.0	12	17 917 €	17 700 €	2.6	25	8 860 €	7 370 €	1.3
	90+	5 525 €	3	10 146 €	2 004 €	1.8	4	5 551 €	4 155 €	1.0	5	216 €	213 €	0.0	12	3 568 €	3 330 €	0.6
Women	18-39	1 729 €	51	5 491 €	5 905 €	3.2	54	4 436 €	9 883 €	2.6	47	4 731 €	6 828 €	2.7	157	4 226 €	8 157 €	2.4
	40-49	2 056 €	58	7 222 €	10 304 €	3.5	57	4 687 €	7 220 €	2.3	55	5 215 €	16 700 €	2.5	210	6 170 €	12 860 €	3.0
	50-59	2 745 €	63	8 916 €	11 607 €	3.2	64	6 984 €	10 417 €	2.5	64	6 426 €	18 099 €	2.3	271	6 910 €	14 003 €	2.5
	60-64	3 273 €	28	8 155 €	11 746 €	2.5	32	11 386 €	20 801 €	3.5	27	9 859 €	14 041 €	3.0	130	6 834 €	10 279 €	2.1
	65-69	3 811 €	18	11 778 €	11 922 €	3.1	22	5 255 €	5 243 €	1.4	22	7 674 €	9 304 €	2.0	111	11 000 €	21 891 €	2.9
	70-74	4 435 €	14	14 798 €	13 190 €	3.3	18	9 596 €	14 040 €	2.2	24	11 897 €	13 235 €	2.7	54	8 283 €	11 700 €	1.9
	75-79	5 279 €	12	17 768 €	23 840 €	3.4	9	10 071 €	12 439 €	1.9	12	8 968 €	11 187 €	1.7	52	6 197 €	8 882 €	1.2
	80-84	6 032 €	10	13 982 €	13 855 €	2.3	8	16 928 €	16 933 €	2.8	7	27 076 €	59 236 €	4.5	30	7 217 €	8 739 €	1.2
	85-89	6 583 €	3	4 351 €	678 €	0.7	13	3 862 €	5 384 €	0.6	5	18 350 €	27 235 €	2.8	17	6 109 €	7 624 €	0.9
	90+	6 004 €	4	6 420 €	1 964 €	1.1	4	7 557 €	6 824 €	1.3	4	15 469 €	14 616 €	2.6	9	5 293 €	4 104 €	0.9
	2 684 €	987	10 578 €	15 178 €	3.9	1063	7 156 €	13 097 €	2.7	1064	7 286 €	15 626 €	2.7	3569	6 839 €	13 608 €	2.5	

*: ratio versus average cost in general population in the corresponding age and sex stratum (column 1)

3.3 Average cost per capita in 2014 according to the number of disease

All costs reported in this section are per capita health expenditure in 2014. These are not “extra-costs” specifically associated with each disease. These health expenditure estimates cover 1) health expenditure associated with the disease 2) health expenditure which can be attributable to other diseases 3) “residual health expenditure” (i.e. not associate with any disease selected for this COI study).

Table 4a. Average per capita health expenditure in 2014 according to number of diseases*

Gender	Age	No disease			One disease*			Two diseases*			Three diseases*			Four diseases* or more		
		n	Mean (€)	Standard Deviation	n	Mean	Standard deviation	n	Mean	Standard deviation	n	Mean	Standard deviation	n	Mean	Standard deviation
Men	18-39	79001	845 €	3 927 €	4974	2 459 €	8 083 €	337	8 584 €	19 280 €	56	16 596 €	29 241 €	11	19 987 €	36 878 €
	40-49	39401	1 173 €	4 109 €	4618	3 366 €	8 179 €	677	8 070 €	15 755 €	166	14 714 €	26 783 €	40	16 032 €	24 009 €
	50-59	30691	1 679 €	5 213 €	6599	4 352 €	10 599 €	1620	7 729 €	14 392 €	452	11 883 €	18 974 €	176	23 269 €	32 781 €
	60-64	11601	2 042 €	5 468 €	4070	4 620 €	10 508 €	1257	8 714 €	16 038 €	366	14 014 €	25 431 €	149	23 283 €	28 672 €
	65-69	9382	2 392 €	6 287 €	4177	5 143 €	10 488 €	1443	9 053 €	16 415 €	386	13 640 €	21 842 €	144	25 218 €	35 727 €
	70-74	5544	2 945 €	7 196 €	2968	5 732 €	11 435 €	1116	9 178 €	14 774 €	340	15 481 €	26 071 €	148	22 287 €	26 566 €
	75-79	4318	3 315 €	7 379 €	2602	6 468 €	11 990 €	1142	9 730 €	15 889 €	364	14 573 €	20 268 €	163	22 136 €	26 055 €
	80-84	3002	3 730 €	7 878 €	2170	6 751 €	11 819 €	1035	10 508 €	16 497 €	354	14 880 €	19 917 €	128	22 661 €	25 524 €
	85-89	1585	3 855 €	7 481 €	1253	7 184 €	10 436 €	607	10 124 €	15 059 €	221	14 904 €	18 730 €	88	19 500 €	27 608 €
	90+	1014	2 847 €	5 765 €	600	6 080 €	8 591 €	264	9 328 €	12 592 €	123	14 158 €	24 115 €	28	16 842 €	22 334 €
Women	18-39	74403	1 540 €	3 847 €	6359	3 440 €	8 792 €	404	7 190 €	16 145 €	62	14 814 €	31 089 €	10	14 794 €	35 772 €
	40-49	36418	1 587 €	4 148 €	5376	3 987 €	9 298 €	771	7 985 €	16 036 €	134	12 573 €	23 282 €	33	24 666 €	45 001 €
	50-59	30355	1 908 €	4 902 €	7334	4 540 €	10 504 €	1489	8 131 €	14 965 €	294	12 274 €	22 399 €	73	22 221 €	31 498 €
	60-64	12792	2 118 €	5 184 €	4189	4 789 €	10 629 €	1022	7 769 €	15 721 €	208	15 450 €	25 302 €	68	22 281 €	27 148 €
	65-69	10976	2 483 €	5 843 €	4162	5 100 €	10 799 €	1046	9 009 €	17 225 €	259	14 268 €	24 477 €	67	19 656 €	25 915 €
	70-74	6883	2 895 €	5 989 €	3040	5 489 €	10 076 €	873	9 181 €	16 782 €	214	12 145 €	16 462 €	79	24 716 €	28 081 €
	75-79	6171	3 419 €	6 770 €	3327	6 032 €	10 140 €	1007	10 212 €	15 873 €	272	14 927 €	20 674 €	74	23 984 €	29 599 €

80-84	5404	3 913 €	7 252 €	3297	6 797 €	10 728 €	1158	10 064 €	15 339 €	345	13 635 €	17 913 €	100	22 380 €	31 626 €
85-89	3470	4 280 €	6 916 €	2488	7 051 €	10 554 €	1051	10 052 €	13 951 €	332	12 947 €	15 772 €	125	15 112 €	16 516 €
90+	2416	3 779 €	7 232 €	1745	6 584 €	9 340 €	761	8 871 €	12 164 €	263	12 145 €	15 996 €	82	12 907 €	11 596 €
All	374827	1 687 €	4 835 €	75348	4 831 €	10 194 €	19080	8 990 €	15 585 €	5211	13 814 €	21 558 €	1786	21 490 €	28 347 €

*: diagnosis date before 01.07.2014

The average cost per capita significantly increased with the number of diseases (Table 4): no disease 1 687 €, 1 disease 4 831€, 2 diseases 8 990€, 3 diseases: 13 814€, 4 diseases or more 19 220€.

Table 5. Share of total health expenditure according to number of disease*

Number of diseases*	n	%	Total cost	
			€	%
No disease	374827	78.70%	632 303 227 €	49.47%
1 disease	75348	15.82%	364 006 679 €	28.48%
2 diseases	19080	4.01%	171 531 293 €	13.42%
3 diseases	5211	1.09%	71 984 308 €	5.63%
4+ diseases	1786	0.38%	38 380 813 €	3.00%

*: diagnosis date before 01.07.2014

Individuals without any disease (among the 10 disease groups selected for this COI study – 79 % of the sample) accounted for 50% of the total healthcare costs. Individuals with one disease (16%) accounted for 28% of the total healthcare costs. Finally, individuals with at least one comorbidity, which represented less than 6% of the study population, accounted for 22 % of the total healthcare costs (Table 5).

3.4 Average cost per capita in 2014 according to the type of comorbidity

All health expenditures reported in this section are per capita health expenditure in 2014. These are not “extra-costs” specifically associated with each disease. These health expenditure estimates cover 1) health expenditure associated with the disease 2) health expenditure which can be attributable to other diseases 3) “residual health expenditure” (i.e. not associate with any disease selected for this COI study).

Table 6. Average per capita health expenditure in 2014 (€) according to comorbidity*

	No other disease	Stroke	Heart disease	Cancer	Diabetes	CKD	COPD	Cirrhosis	Alcohol	Major depression
No disease	1673 ±4840									
Stroke	7147 ±13656									
Heart disease	5440 ±9117	9231 ±13223								
Cancer	7629 ±16148	9963 ±16093	9204 ±14662							
Diabetes	4409 ±7818	11642 ±18523	7660 ±10998	9247 ±15812						
CKD	14721 ±29414	13962 ±22894	17728 ±29351	16105 ±25930	21665 ±34424					
COPD	3502 ±7120	8847 ±10791	8426 ±11973	10647 ±18752	6627 ±10117	17795 ±30635				
Cirrhosis	6954 ±16155	14434 ±26692	9729 ±17765	15727 ±25391	10137 ±19103	32687 ±45379	9980 ±18342			
Alcohol	3830 ±8724	9684 ±13126	8549 ±12482	11593 ±18978	7689 ±13242	13779 ±30504	6938 ±10114	6982 ±11837		

Major depression	3434 ±6752	7078 ±9608	6869 ±8475	9818 ±20746	5983 ±8807	10690 ±11101	5211 ±8408	8261 ±17609	5188 ±8796	
Neurologic	5150 ±7930	7556 ±8924	8054 ±11907	8635 ±13492	7313 ±8968	11450 ±18869	7446 ±10076	8471 ±10932	6248 ±10679	5942 ±8121

* Calculated among persons with 1 comorbidity or less (diagnosis date before 01.07.2014 for all diseases)

The average healthcare cost in 2014 for patients with both diabetes and COPD is estimated at 6 627€ (4 409 € if diabetes only and 3 502€ if COPD only).

Table 7. Share of total health expenditure cost according to comorbidity *

	Stroke	Heart disease	Cancer	Diabetes	CKV	COPD	Cirrhosis	Alcohol	Major depression
Stroke									
Heart disease	1.2%								
Cancer	0.5%	1.8%							
Diabetes	2.6%	11.9%	4.4%						
CKD	0.5%	3.4%	1.3%	6.3%					
COPD	1.2%	7.2%	5.9%	11.2%	2.6%				
Cirrhosis	0.2%	0.4%	1.0%	2.5%	0.9%	1.2%			
Alcohol	0.5%	0.8%	0.6%	1.2%	0.3%	2.0%	1.8%		
Major depression	0.2%	0.7%	1.1%	1.9%	0.2%	2.6%	0.3%	0.8%	
Neurologic disorders	1.2%	2.6%	2.0%	4.5%	1.5%	3.5%	0.2%	0.4%	0.7%

* Calculated among persons with 1 comorbidity (=2 diseases)

Among patients with 2 diseases, patients with diabetes and heart disease accounted for 11.9% of the total health expenditure; patients with diabetes and COPD accounted for 11.2% of the total healthcare cost.

3.5 Average cost per capita in 2014 among patients with 2 comorbidities.

Table 8. Average per capita health expenditure in 2014 (€) in the presence of major depression *

Comorbidity (all costs include major depression)	N	Mean	Std
No other disease	5672	3 434 €	6 752 €
Neurologic disorder	193	5 942 €	8 121 €
Alcohol user disorder	286	5 188 €	8 796 €
Neurologic disorder + alcohol use disorder	3	3 390 €	1 249 €
Cirrhosis	55	8 261 €	17 609 €
Neurologic disorder + cirrhosis	1	44 572 €	.
Alcohol use disorder + cirrhosis	44	10 640 €	11 536 €
COPD	872	5 211 €	8 408 €
COPD + neurologic disorder	31	8 724 €	12 601 €

COPD + alcohol use disorder	74	7 862 €	12 644 €
COPD + cirrhosis	14	8 739 €	9 883 €
CKD	29	10 690 €	11 101 €
CKD + neurologic disorder	5	6 220 €	3 785 €
CKD + alcohol use disorder	3	12 555 €	12 457 €
CKD +COPD	10	22 945 €	41 062 €
Diabetes	550	5 983 €	8 807 €
Diabetes + neurologic disorder	39	13 631 €	24 296 €
Diabetes + alcohol use disorder	27	5 707 €	5 532 €
Diabetes + cirrhosis	23	9 290 €	9 021 €
Diabetes + COPD	155	7 861 €	9 141 €
Diabetes + CKD	15	27 399 €	50 711 €
Cancer	202	9 818 €	20 746 €
Cancer + neurologic disorder	17	16 861 €	17 016 €
Cancer + alcohol use disorder	9	7 733 €	7 793 €
Cancer + cirrhosis	1	43 015 €	.
Cancer + COPD	48	10 477 €	10 619 €
Cancer + CKD	5	20 081 €	28 592 €
Cancer + diabetes	28	7 062 €	7 787 €
Heart disease	173	6 869 €	8 475 €
Heart disease + neurologic disorder	12	7 364 €	8 387 €
Heart disease + alcohol use disorder	19	6 073 €	5 521 €
Heart disease+ cirrhosis	1	16 088 €	.
Heart disease + COPD	57	6 753 €	9 565 €
Heart disease + CKD	6	25 189 €	41 433 €
Heart disease + diabetes	55	8 884 €	10 838 €
Heart disease + cancer	10	9 589 €	12 297 €
Stroke	52	7 078 €	9 608 €
Stroke + neurologic disorder	12	17 386 €	14 540 €
Stroke + alcohol use disorder	9	10 410 €	8 404 €
Stroke+ COPD	6	6 626 €	3 750 €
Stroke + CKD	2	7 005 €	2 367 €
Stroke + diabetes	14	7 939 €	6 605 €
Stroke + cancer	4	54 514 €	77 349 €
Stroke +heart disease	9	7 434 €	3 284 €

*: diagnosis before 01.07.2014. Calculated among patients with major depression and 2 comorbidities (or less)

Table 9. Average per capita health expenditure in 2014 (€) in the presence of diabetes*

Comorbidity (all costs include diabetes)	N	Mean	Std
No other disease (table 6)	18978	4 409 €	7 818 €
Neurologic disorder	1085	7 313 €	8 968 €
Major depression	550	5 983 €	8 807 €
Neurologic disorder + major depression	39	13 631 €	24 296 €
Alcohol user disorder	280	7 689 €	13 242 €
Alcohol user disorder + neurologic disorder	27	7 606 €	8 971 €
Alcohol user disorder + major depression	27	5 707 €	5 532 €
Cirrhosis	436	10 137 €	19 103 €
Cirrhosis + neurologic disorder	30	11 657 €	9 580 €
Cirrhosis + major depression	23	9 290 €	9 021 €
Cirrhosis + alcohol use disorder	124	11 078 €	14 725 €
COPD	2987	6 627 €	10 117 €
COPD + neurologic disorder	220	10 143 €	12 077 €
COPD + major depression	155	7 861 €	9 141 €
COPD + alcohol use disorder	89	10 301 €	13 016 €
COPD + cirrhosis	117	10 199 €	11 752 €
CKD	512	21 665 €	34 424 €

CKD + neurologic disorder	87	16 751 €	28 142 €
CKD + major depression	15	27 399 €	50 711 €
CKD + alcohol use disorder	26	21 735 €	37 606 €
CKD + cirrhosis	35	25 071 €	37 945 €
CKD + COPD	142	22 247 €	32 445 €
Cancer	836	9 247 €	15 812 €
Cancer + neurologic disorder	85	11 495 €	20 174 €
Cancer + major depression	28	7 062 €	7 787 €
Cancer + alcohol use disorder	10	11 055 €	8 523 €
Cancer + cirrhosis	65	19 661 €	25 992 €
Cancer + COPD	175	13 497 €	19 315 €
Cancer + CKD	38	24 555 €	35 457 €
Heart disease	2744	7 660 €	10 998 €
Heart disease + neurologic disorder	185	11 543 €	12 928 €
Heart disease + major depression	55	8 884 €	10 838 €
Heart disease + alcohol use disorder	83	7 166 €	8 530 €
Heart disease + cirrhosis	90	11 511 €	12 926 €
Heart disease + COPD	725	10 729 €	13 481 €
Heart disease + CKD	324	25 395 €	36 050 €
Heart disease + cancer	135	14 749 €	16 977 €
Stroke	386	11 642 €	18 523 €
Stroke + neurologic disorder	70	13 633 €	19 106 €
Stroke + major depression	14	7 939 €	6 605 €
Stroke + alcohol use disorder	19	11 543 €	19 660 €
Stroke + cirrhosis	9	22 148 €	45 939 €
Stroke + COPD	58	12 932 €	15 896 €
Stroke + CKD	46	25 547 €	35 037 €
Stroke + cancer	18	9 237 €	15 840 €
Stroke + heart disease	111	10 316 €	11 059 €

*: diagnosis before 01.07.2014. Calculated among patients with diabetes and 2 comorbidities (or less)

Table 10. Average per capita health expenditure in 2014 (€) in the presence of heart disease*

Comorbidity (all costs include heart disease)	N	Mean	Std
No other disease (table 6)	7375	5 440 €	9 117 €
Neurologic disorder	558	8 054 €	11 907 €
Major depression	173	6 869 €	8 475 €
Neurologic disorder + major depression	12	7 364 €	8 387 €
Alcohol user disorder	172	8 549 €	12 482 €
Alcohol user disorder + neurologic disorder	18	3 946 €	4 365 €
Alcohol user disorder + major depression	19	6 073 €	5 521 €
Cirrhosis	78	9 729 €	17 765 €
Cirrhosis + neurologic disorder	5	7 598 €	6 735 €
Cirrhosis + major depression	1	16 088 €	.
Cirrhosis + alcohol use disorder	32	11 155 €	21 132 €
COPD	1501	8 426 €	11 973 €
COPD + neurologic disorder	125	9 781 €	9 514 €
COPD + major depression	57	6 753 €	9 565 €
COPD + alcohol use disorder	85	8 481 €	9 104 €
COPD + cirrhosis	31	12 995 €	14 993 €
CKD	341	17 728 €	29 351 €
CKD + neurologic disorder	68	15 173 €	19 296 €
CKD + major depression	6	25 189 €	41 433 €
CKD + alcohol use disorder	9	15 074 €	15 371 €
CKD + cirrhosis	10	15 776 €	16 075 €
CKD + COPD	133	25 365 €	37 629 €
Diabetes	2744	7 660 €	10 998 €
Diabetes + neurologic disorder	185	11 543 €	12 928 €
Diabetes + major depression	55	8 884 €	10 838 €

Diabetes + alcohol use disorder	83	7 166 €	8 530 €
Diabetes + cirrhosis	90	11 511 €	12 926 €
Diabetes + COPD	725	10 729 €	13 481 €
Diabetes + CKD	324	25 395 €	36 050 €
Cancer	342	9 204 €	14 662 €
Cancer + neurologic disorder	56	8 432 €	11 280 €
Cancer + major depression	10	9 589 €	12 297 €
Cancer + alcohol use disorder	5	24 568 €	24 074 €
Cancer + cirrhosis	8	28 782 €	63 512 €
Cancer + COPD	126	12 010 €	15 927 €
Cancer + CKD	30	27 661 €	43 725 €
Cancer + Diabetes	135	14 749 €	16 977 €
Stroke	236	9 231 €	13 223 €
Stroke + neurologic disorder	36	9 418 €	8 464 €
Stroke + major depression	9	7 434 €	3 284 €
Stroke + alcohol use disorder	9	10 562 €	9 020 €
Stroke + cirrhosis	3	44 121 €	49 336 €
Stroke + COPD	76	9 812 €	14 043 €
Stroke + CKD	30	17 159 €	23 418 €
Stroke + diabetes	111	10 316 €	11 059 €
Stroke + cancer	7	8 071 €	5 510 €

*: diagnosis before 01.07.2014. Calculated among patients with heart disease and 2 comorbidities (or less)

3.6 Extra health expenditure associated with each disease - two-step regression estimates

All “extra health expenditure” reported in this section are estimated using two-step regression models (1st approach with stratification according to the presence of a comorbidity). The full statistical method is reported in section 2.3.

3.6.1 Acute haemorrhagic stroke

Table 11.1 Extra health expenditure associated with “Acute haemorrhagic stroke” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	13 754 € ± 5 580	2 255 € ± 746	1 361 € ± 573	1 831 € ± 350
	40-49	18 649 € ± 7 580	3 089 € ± 1 037	1 856 € ± 791	2 505 € ± 484
	50-59	26 615 € ± 10 863	4 397 € ± 1 495	2 674 € ± 1 131	3 589 € ± 678
	60-64	32 552 € ± 13 199	5 439 € ± 1 833	3 290 € ± 1 386	4 398 € ± 840
	65-69	37 335 € ± 15 440	6 149 € ± 2 078	3 669 € ± 1 553	4 972 € ± 954
	70-74	45 142 € ± 18 087	7 437 € ± 2 518	4 512 € ± 1 908	6 044 € ± 1 173
	75-79	51 060 € ± 20 495	8 496 € ± 2 883	5 136 € ± 2 189	6 849 € ± 1 325
	80-84	55 526 € ± 22 396	9 158 € ± 3 106	5 552 € ± 2 388	7 433 € ± 1 462
	85-89	60 325 € ± 24 376	9 897 € ± 3 401	5 992 € ± 2 585	8 020 € ± 1 615
	90+	37 856 € ± 15 332	6 268 € ± 2 203	3 777 € ± 1 668	5 070 € ± 1 085
Women	18-39	15 448 € ± 3 677	6 146 € ± 1 879	2 470 € ± 973	1 507 € ± 378
	40-49	15 498 € ± 3 687	6 208 € ± 1 902	2 486 € ± 991	1 513 € ± 384
	50-59	18 902 € ± 4 483	7 554 € ± 2 322	3 059 € ± 1 189	1 853 € ± 471
	60-64	20 703 € ± 4 847	8 326 € ± 2 577	3 326 € ± 1 327	2 032 € ± 511
	65-69	24 142 € ± 5 691	9 640 € ± 2 917	3 908 € ± 1 543	2 359 € ± 594
	70-74	27 252 € ± 6 463	10 933 € ± 3 360	4 400 € ± 1 732	2 675 € ± 688
	75-79	32 672 € ± 7 656	13 166 € ± 4 067	5 243 € ± 2 075	3 198 € ± 819
	80-84	36 312 € ± 8 545	14 484 € ± 4 470	5 880 € ± 2 331	3 555 € ± 905
	85-89	37 388 € ± 8 954	14 883 € ± 4 586	5 973 € ± 2 373	3 651 € ± 945
	90+	33 856 € ± 8 179	13 564 € ± 4 175	5 452 € ± 2 148	3 315 € ± 870

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.1 Health expenditure ratio associated with “Acute haemorrhagic stroke” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18.6 ± 7.1	3.9 ± 1.0	2.7 € ± 0.7	3.3 ± 0.4
Women	11.5 ± 2.5	5.2 ± 1.3	2.7 € ± 0.7	2.0 ± 0.3

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.1 Extra health expenditure* associated with “Acute haemorrhagic stroke” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	10 997 € ± 2 203	3 794 € ± 1 163	2 835 € ± 1 121	2 961 € ± 628
	40-49	14 418 € ± 2 969	4 976 € ± 1 532	3 707 € ± 1 508	3 869 € ± 850
	50-59	18 242 € ± 3 581	6 115 € ± 1 922	4 582 € ± 1 801	4 773 € ± 1 090
	60-64	19 837 € ± 4 126	6 673 € ± 2 002	5 132 € ± 2 029	5 247 € ± 1 116
	65-69	21 485 € ± 4 422	7 303 € ± 2 241	5 502 € ± 2 147	5 718 € ± 1 245
	70-74	23 125 € ± 4 740	8 055 € ± 2 357	6 039 € ± 2 337	6 275 € ± 1 342
	75-79	25 738 € ± 5 440	8 688 € ± 2 722	6 523 € ± 2 457	6 786 € ± 1 444
	80-84	27 235 € ± 5 793	9 288 € ± 2 716	6 844 € ± 2 661	7 182 € ± 1 564
	85-89	27 248 € ± 5 583	9 432 € ± 2 866	6 849 € ± 2 679	7 257 € ± 1 571
	90+	24 550 € ± 5 356	8 340 € ± 2 637	6 376 € ± 2 482	6 655 € ± 1 522
Women	18-39	10 224 € ± 2 242	902 € ± 778	170 € ± 685	2 606 € ± 649
	40-49	12 170 € ± 2 694	1 023 € ± 894	218 € ± 801	3 241 € ± 846
	50-59	13 610 € ± 3 027	1 198 € ± 1 063	211 € ± 912	3 558 € ± 876
	60-64	14 912 € ± 3 233	1 255 € ± 1 166	296 € ± 994	3 810 € ± 951
	65-69	15 996 € ± 3 539	1 359 € ± 1 168	183 € ± 1 059	4 120 € ± 993
	70-74	17 102 € ± 3 926	1 465 € ± 1 242	330 € ± 1 129	4 510 € ± 1 099
	75-79	18 568 € ± 4 011	1 566 € ± 1 355	235 € ± 1 233	4 835 € ± 1 182
	80-84	19 925 € ± 4 478	1 705 € ± 1 484	273 € ± 1 343	5 200 € ± 1 308
	85-89	20 583 € ± 4 413	1 695 € ± 1 604	300 € ± 1 374	5 410 € ± 1 398
	90+	19 281 € ± 4 121	1 655 € ± 1 472	353 € ± 1 269	5 060 € ± 1 283

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.1 Health expenditure ratio associated with “Acute haemorrhagic stroke” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	4.1 ± 0.6	2.1 ± 0.3	1.8 € ± 0.3	1.8 ± 0.2
Women	3.5 ± 0.6	1.2 ± 0.2	1.0 € ± 0.2	1.6 ± 0.2

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.2 Acute ischemic stroke

Table 11.2 Extra health expenditure* associated with “Acute ischemic stroke” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	2 661 € ± 558	780 € ± 255	1 357 € ± 359	478 € ± 130
	40-49	3 621 € ± 760	1 069 € ± 354	1 851 € ± 497	655 € ± 180
	50-59	5 170 € ± 1 093	1 521 € ± 510	2 659 € ± 708	939 € ± 252
	60-64	6 343 € ± 1 330	1 883 € ± 626	3 273 € ± 872	1 151 € ± 314
	65-69	7 223 € ± 1 542	2 128 € ± 710	3 669 € ± 978	1 301 € ± 357
	70-74	8 769 € ± 1 830	2 576 € ± 863	4 495 € ± 1 204	1 581 € ± 441
	75-79	9 925 € ± 2 077	2 938 € ± 987	5 105 € ± 1 375	1 788 € ± 499
	80-84	10 752 € ± 2 272	3 160 € ± 1 064	5 512 € ± 1 506	1 937 € ± 554
	85-89	11 806 € ± 2 541	3 466 € ± 1 200	6 032 € ± 1 672	2 122 € ± 627
	90+	7 396 € ± 1 653	2 183 € ± 791	3 783 € ± 1 096	1 334 € ± 448
Women	18-39	5 565 € ± 990	998 € ± 346	2 153 € ± 608	1 843 € ± 324
	40-49	5 592 € ± 993	1 010 € ± 351	2 167 € ± 620	1 853 € ± 329
	50-59	6 821 € ± 1 209	1 229 € ± 428	2 662 € ± 743	2 266 € ± 402
	60-64	7 470 € ± 1 310	1 352 € ± 476	2 899 € ± 830	2 485 € ± 437
	65-69	8 704 € ± 1 534	1 566 € ± 541	3 396 € ± 964	2 886 € ± 509
	70-74	9 860 € ± 1 750	1 782 € ± 624	3 841 € ± 1 088	3 280 € ± 590
	75-79	11 795 € ± 2 070	2 142 € ± 750	4 573 € ± 1 303	3 915 € ± 703
	80-84	13 134 € ± 2 314	2 360 € ± 828	5 125 € ± 1 463	4 360 € ± 779
	85-89	13 483 € ± 2 421	2 420 € ± 857	5 212 € ± 1 492	4 468 € ± 813
	90+	12 158 € ± 2 221	2 195 € ± 784	4 729 € ± 1 348	4 037 € ± 754

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.2 Health expenditure ratio associated with “Acute ischemic stroke” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	4.4 ± 0.7	2.0 ± 0.3	2.7 € ± 0.5	1.6 ± 0.2
Women	4.8 ± 0.7	1.7 ± 0.2	2.5 € ± 0.4	2.2 ± 0.2

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.2 Extra health expenditure* associated with “Acute ischemic stroke” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	7 128 € ± 830	1 964 € ± 523	1 659 € ± 469	744 € ± 235
	40-49	9 334 € ± 1 123	2 572 € ± 687	2 168 € ± 631	968 € ± 320
	50-59	11 696 € ± 1 336	3 165 € ± 855	2 683 € ± 757	1 197 € ± 400
	60-64	12 753 € ± 1 549	3 455 € ± 894	2 983 € ± 850	1 315 € ± 423
	65-69	13 743 € ± 1 656	3 750 € ± 991	3 191 € ± 887	1 423 € ± 458
	70-74	14 967 € ± 1 791	4 145 € ± 1 054	3 512 € ± 970	1 561 € ± 505
	75-79	16 327 € ± 2 011	4 430 € ± 1 202	3 767 € ± 1 018	1 671 € ± 535
	80-84	17 339 € ± 2 167	4 751 € ± 1 206	3 975 € ± 1 108	1 776 € ± 588
	85-89	17 297 € ± 2 110	4 793 € ± 1 279	3 964 € ± 1 137	1 793 € ± 623
	90+	15 726 € ± 2 134	4 277 € ± 1 234	3 689 € ± 1 106	1 661 € ± 662
Women	18-39	6 593 € ± 872	1 588 € ± 465	2 158 € ± 577	1 176 € ± 286
	40-49	7 878 € ± 1 055	1 879 € ± 538	2 619 € ± 673	1 457 € ± 374
	50-59	8 747 € ± 1 172	2 113 € ± 627	2 874 € ± 761	1 592 € ± 379
	60-64	9 543 € ± 1 252	2 262 € ± 688	3 164 € ± 830	1 707 € ± 423
	65-69	10 158 € ± 1 348	2 417 € ± 690	3 250 € ± 879	1 836 € ± 439
	70-74	10 837 € ± 1 512	2 591 € ± 736	3 592 € ± 932	1 999 € ± 484
	75-79	11 829 € ± 1 545	2 810 € ± 807	3 808 € ± 1 029	2 159 € ± 522
	80-84	12 605 € ± 1 702	3 017 € ± 872	4 103 € ± 1 108	2 294 € ± 565
	85-89	13 006 € ± 1 682	3 069 € ± 939	4 247 € ± 1 127	2 378 € ± 608
	90+	12 149 € ± 1 589	2 901 € ± 870	4 005 € ± 1 053	2 232 € ± 571

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.2 Health expenditure ratio associated with “Acute ischemic stroke” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	3.0 ± 0.2	1.6 ± 0.2	1.5 € ± 0.1	1.2 ± 0.1
Women	2.6 ± 0.2	1.4 ± 0.1	1.5 € ± 0.1	1.3 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.3 Chronic stroke

Table 11.3 Extra health expenditure* associated with “Chronic stroke” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	2 190 € ± 1 315	6 510 € ± 6 245	9 586 € ± 5 465	1 708 € ± 376
	40-49	2 962 € ± 1 786	9 032 € ± 8 793	13 091 € ± 7 547	2 340 € ± 521
	50-59	4 224 € ± 2 558	12 841 € ± 12 789	18 889 € ± 10 915	3 352 € ± 729
	60-64	5 151 € ± 3 106	15 984 € ± 15 765	23 231 € ± 13 206	4 104 € ± 902
	65-69	5 955 € ± 3 649	18 069 € ± 17 839	25 812 € ± 14 825	4 644 € ± 1 024
	70-74	7 179 € ± 4 259	21 713 € ± 21 833	31 878 € ± 18 284	5 647 € ± 1 258
	75-79	8 106 € ± 4 817	25 082 € ± 25 207	36 361 € ± 21 049	6 401 € ± 1 421
	80-84	8 799 € ± 5 260	26 655 € ± 26 883	39 187 € ± 22 807	6 924 € ± 1 560
	85-89	9 602 € ± 5 716	29 092 € ± 29 535	42 330 € ± 24 642	7 476 € ± 1 717
	90+	5 986 € ± 3 584	18 369 € ± 18 906	26 542 € ± 15 474	4 711 € ± 1 135
Women	18-39	**	3 126 € ± 1 667	1 774 € ± 1 400	2 514 € ± 543
	40-49		3 168 € ± 1 694	1 789 € ± 1 426	2 526 € ± 551
	50-59		3 852 € ± 2 064	2 216 € ± 1 712	3 087 € ± 675
	60-64		4 251 € ± 2 290	2 387 € ± 1 908	3 390 € ± 733
	65-69		4 900 € ± 2 581	2 829 € ± 2 220	3 938 € ± 851
	70-74		5 582 € ± 2 983	3 176 € ± 2 488	4 465 € ± 985
	75-79		6 745 € ± 3 624	3 765 € ± 2 966	5 340 € ± 1 173
	80-84		7 383 € ± 3 985	4 273 € ± 3 357	5 937 € ± 1 298
	85-89		7 579 € ± 4 071	4 290 € ± 3 381	6 094 € ± 1 348
	90+		6 906 € ± 3 671	3 919 € ± 3 068	5 523 € ± 1 234

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

** Cost estimates are not provided (unreliable results because of small sample size)

Table 11.3 Health expenditure ratio associated with “Chronic stroke” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	3.8 ± 1.7	9.3 ± 8.0	13.3 € ± 7.0	3.2 ± 0.5
Women	1.0 ± 0.3	3.1 ± 1.1	2.2 € ± 0.9	2.7 ± 0.4

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.3 Extra health expenditure* associated with “Chronic stroke” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	4 120 € ± 1 599	3 025 € ± 1 477	702 € ± 898	1 447 € ± 421
	40-49	5 382 € ± 2 147	3 955 € ± 1 948	906 € ± 1 206	1 884 € ± 571
	50-59	7 010 € ± 2 621	4 880 € ± 2 444	1 134 € ± 1 445	2 336 € ± 732
	60-64	7 612 € ± 3 049	5 330 € ± 2 557	1 333 € ± 1 642	2 587 € ± 761
	65-69	8 098 € ± 3 192	5 780 € ± 2 831	1 365 € ± 1 714	2 783 € ± 829
	70-74	8 554 € ± 3 428	6 394 € ± 2 967	1 491 € ± 1 871	3 058 € ± 900
	75-79	9 715 € ± 3 950	6 857 € ± 3 432	1 583 € ± 1 957	3 294 € ± 965
	80-84	10 313 € ± 4 220	7 382 € ± 3 412	1 637 € ± 2 121	3 494 € ± 1 051
	85-89	10 285 € ± 4 035	7 560 € ± 3 610	1 626 € ± 2 140	3 546 € ± 1 072
	90+	9 196 € ± 3 867	6 578 € ± 3 280	1 595 € ± 1 983	3 261 € ± 1 050
Women	18-39	3 081 € ± 1 413	598 € ± 974	3 300 € ± 1 615	1 976 € ± 483
	40-49	3 606 € ± 1 690	635 € ± 1 114	4 032 € ± 1 900	2 463 € ± 634
	50-59	4 047 € ± 1 910	783 € ± 1 336	4 421 € ± 2 154	2 705 € ± 653
	60-64	4 482 € ± 2 034	795 € ± 1 463	4 906 € ± 2 331	2 882 € ± 707
	65-69	4 832 € ± 2 231	867 € ± 1 456	4 939 € ± 2 495	3 119 € ± 739
	70-74	5 118 € ± 2 461	932 € ± 1 537	5 597 € ± 2 642	3 401 € ± 816
	75-79	5 608 € ± 2 522	992 € ± 1 689	5 811 € ± 2 906	3 671 € ± 884
	80-84	5 912 € ± 2 799	1 079 € ± 1 841	6 318 € ± 3 135	3 925 € ± 968
	85-89	6 133 € ± 2 785	1 044 € ± 2 009	6 612 € ± 3 232	4 103 € ± 1 043
	90+	5 788 € ± 2 576	1 063 € ± 1 832	6 261 € ± 2 965	3 822 € ± 959

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.3 Health expenditure ratio associated with “Chronic stroke” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	2.2 ± 0.5	1.9 ± 0.4	1.2 € ± 0.3	1.4 ± 0.1
Women	1.8 ± 0.3	1.1 ± 0.2	1.8 € ± 0.4	1.5 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.4 Acute haemorrhagic/ischemic and chronic stroke

Table 11.4 Extra health expenditure* associated with “Acute haemorrhagic/ischemic and chronic stroke” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	4 188 € ± 649	1 303 € ± 271	1 843 € ± 345	1 084 € ± 131
	40-49	5 700 € ± 884	1 782 € ± 376	2 512 € ± 477	1 482 € ± 181
	50-59	8 136 € ± 1 270	2 537 € ± 542	3 602 € ± 678	2 119 € ± 253
	60-64	9 968 € ± 1 545	3 127 € ± 664	4 422 € ± 835	2 596 € ± 317
	65-69	11 352 € ± 1 792	3 542 € ± 755	4 980 € ± 939	2 941 € ± 361
	70-74	13 798 € ± 2 132	4 298 € ± 920	6 093 € ± 1 160	3 579 € ± 450
	75-79	15 555 € ± 2 415	4 870 € ± 1 049	6 885 € ± 1 319	4 035 € ± 512
	80-84	16 824 € ± 2 647	5 242 € ± 1 134	7 428 € ± 1 446	4 362 € ± 574
	85-89	18 354 € ± 2 965	5 712 € ± 1 275	8 083 € ± 1 609	4 748 € ± 673
	90+	11 508 € ± 1 968	3 595 € ± 859	5 073 € ± 1 082	2 985 € ± 507
Women	18-39	7 289 € ± 907	2 364 € ± 421	2 055 € ± 443	1 699 € ± 208
	40-49	7 327 € ± 909	2 386 € ± 426	2 068 € ± 452	1 709 € ± 212
	50-59	8 946 € ± 1 110	2 909 € ± 521	2 539 € ± 542	2 090 € ± 259
	60-64	9 786 € ± 1 201	3 192 € ± 578	2 764 € ± 605	2 289 € ± 283
	65-69	11 409 € ± 1 408	3 708 € ± 658	3 237 € ± 704	2 662 € ± 331
	70-74	12 934 € ± 1 610	4 214 € ± 761	3 665 € ± 796	3 025 € ± 385
	75-79	15 423 € ± 1 896	5 037 € ± 910	4 354 € ± 950	3 601 € ± 459
	80-84	17 125 € ± 2 121	5 561 € ± 1 005	4 859 € ± 1 064	3 999 € ± 509
	85-89	17 572 € ± 2 227	5 701 € ± 1 040	4 950 € ± 1 090	4 099 € ± 538
	90+	15 823 € ± 2 058	5 152 € ± 955	4 479 € ± 989	3 696 € ± 510

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.4 Health expenditure ratio associated with “Acute haemorrhagic/ischemic and chronic stroke” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	6.4 ± 0.8	2.7 ± 0.3	3.4 € ± 0.4	2.4 ± 0.2
Women	5.9 ± 0.6	2.6 ± 0.3	2.4 € ± 0.3	2.2 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.4 Extra health expenditure* associated with “Acute haemorrhagic/ischemic and chronic stroke” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	6 881 € ± 739	2 698 € ± 516	1 831 € ± 441	1 384 € ± 231
	40-49	9 049 € ± 1 004	3 550 € ± 680	2 404 € ± 596	1 817 € ± 316
	50-59	11 349 € ± 1 194	4 379 € ± 850	2 980 € ± 716	2 247 € ± 391
	60-64	12 317 € ± 1 376	4 763 € ± 885	3 290 € ± 800	2 455 € ± 414
	65-69	13 318 € ± 1 479	5 179 € ± 983	3 536 € ± 838	2 664 € ± 451
	70-74	14 511 € ± 1 604	5 720 € ± 1 047	3 890 € ± 916	2 928 € ± 499
	75-79	15 820 € ± 1 797	6 127 € ± 1 196	4 178 € ± 962	3 144 € ± 528
	80-84	16 789 € ± 1 938	6 549 € ± 1 200	4 408 € ± 1 046	3 337 € ± 583
	85-89	16 763 € ± 1 896	6 594 € ± 1 279	4 401 € ± 1 079	3 356 € ± 625
	90+	15 240 € ± 1 937	5 921 € ± 1 245	4 084 € ± 1 061	3 090 € ± 675
Women	18-39	6 908 € ± 821	1 205 € ± 395	2 168 € ± 521	1 691 € ± 262
	40-49	8 301 € ± 1 000	1 429 € ± 461	2 642 € ± 609	2 085 € ± 344
	50-59	9 186 € ± 1 104	1 605 € ± 533	2 893 € ± 687	2 283 € ± 346
	60-64	10 056 € ± 1 188	1 723 € ± 589	3 193 € ± 754	2 466 € ± 390
	65-69	10 678 € ± 1 276	1 839 € ± 590	3 284 € ± 796	2 634 € ± 404
	70-74	11 369 € ± 1 426	1 967 € ± 631	3 609 € ± 841	2 845 € ± 446
	75-79	12 400 € ± 1 458	2 131 € ± 689	3 835 € ± 930	3 079 € ± 480
	80-84	13 279 € ± 1 613	2 298 € ± 747	4 146 € ± 1 005	3 298 € ± 522
	85-89	13 707 € ± 1 596	2 333 € ± 804	4 292 € ± 1 026	3 414 € ± 565
	90+	12 802 € ± 1 511	2 213 € ± 749	4 044 € ± 959	3 193 € ± 537

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.4 Health expenditure ratio associated with “Acute haemorrhagic/ischemic and chronic stroke” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	3.0 ± 0.2	1.8 ± 0.2	1.5 € ± 0.1	1.4 ± 0.1
Women	2.7 ± 0.2	1.3 ± 0.1	1.5 € ± 0.1	1.4 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.5 Acute myocardial infarction

Table 11.5 Extra health expenditure* associated with “Acute myocardial infarction” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	3 138 € ± 872	351 € ± 252	368 € ± 251	213 € ± 91
	40-49	4 263 € ± 1 186	483 € ± 351	501 € ± 347	292 € ± 126
	50-59	6 086 € ± 1 703	684 € ± 506	725 € ± 495	420 € ± 177
	60-64	7 456 € ± 2 071	852 € ± 621	893 € ± 608	512 € ± 221
	65-69	8 498 € ± 2 400	961 € ± 702	986 € ± 681	578 € ± 251
	70-74	10 295 € ± 2 840	1 154 € ± 850	1 220 € ± 836	702 € ± 312
	75-79	11 623 € ± 3 205	1 325 € ± 971	1 386 € ± 954	791 € ± 352
	80-84	12 575 € ± 3 495	1 411 € ± 1 045	1 489 € ± 1 042	855 € ± 394
	85-89	13 755 € ± 3 858	1 548 € ± 1 164	1 625 € ± 1 146	935 € ± 460
	90+	8 646 € ± 2 469	981 € ± 759	1 021 € ± 750	591 € ± 338
Women	18-39	3 085 € ± 1 326	1 018 € ± 1 005	1 044 € ± 776	513 € ± 274
	40-49	3 091 € ± 1 333	1 039 € ± 1 023	1 052 € ± 791	515 € ± 279
	50-59	3 775 € ± 1 617	1 263 € ± 1 247	1 305 € ± 950	634 € ± 342
	60-64	4 111 € ± 1 744	1 394 € ± 1 381	1 403 € ± 1 058	691 € ± 371
	65-69	4 805 € ± 2 051	1 593 € ± 1 555	1 663 € ± 1 231	801 € ± 431
	70-74	5 432 € ± 2 333	1 830 € ± 1 801	1 871 € ± 1 382	914 € ± 500
	75-79	6 467 € ± 2 747	2 212 € ± 2 179	2 202 € ± 1 642	1 082 € ± 590
	80-84	7 229 € ± 3 072	2 401 € ± 2 398	2 505 € ± 1 856	1 211 € ± 657
	85-89	7 482 € ± 3 235	2 473 € ± 2 462	2 527 € ± 1 888	1 246 € ± 685
	90+	6 774 € ± 2 945	2 274 € ± 2 231	2 321 € ± 1 716	1 133 € ± 632

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.5 Health expenditure ratio associated with “Acute myocardial infarction” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	5.0 ± 1.1	1.4 ± 0.3	1.5 € ± 0.3	1.3 ± 0.1
Women	3.1 ± 0.9	1.7 ± 0.7	1.7 € ± 0.5	1.3 ± 0.2

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.5 Extra health expenditure* associated with “Acute myocardial infarction” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	4 579 € ± 529	636 € ± 297		587 € ± 159
	40-49	5 976 € ± 712	830 € ± 388		763 € ± 214
	50-59	7 440 € ± 834	1 013 € ± 471		937 € ± 256
	60-64	8 199 € ± 988	1 114 € ± 504		1 040 € ± 287
	65-69	8 792 € ± 1 045	1 207 € ± 556		1 120 € ± 304
	70-74	9 568 € ± 1 135	1 333 € ± 593		1 227 € ± 340
	75-79	10 521 € ± 1 285	1 430 € ± 683		1 327 € ± 368
	80-84	11 164 € ± 1 387	1 546 € ± 694		1 409 € ± 413
	85-89	11 234 € ± 1 379	1 585 € ± 759		1 433 € ± 465
	90+	10 239 € ± 1 442	1 390 € ± 770		1 331 € ± 546
Women	18-39	6 497 € ± 1 004	1 627 € ± 557	1 812 € ± 612	1 631 € ± 301
	40-49	7 730 € ± 1 210	1 912 € ± 639	2 196 € ± 711	2 004 € ± 390
	50-59	8 624 € ± 1 350	2 167 € ± 753	2 415 € ± 808	2 207 € ± 401
	60-64	9 369 € ± 1 435	2 302 € ± 820	2 655 € ± 874	2 358 € ± 441
	65-69	10 069 € ± 1 570	2 484 € ± 831	2 729 € ± 935	2 551 € ± 461
	70-74	10 746 € ± 1 748	2 665 € ± 883	3 044 € ± 995	2 771 € ± 514
	75-79	11 683 € ± 1 779	2 876 € ± 966	3 191 € ± 1 094	2 984 € ± 549
	80-84	12 488 € ± 1 971	3 103 € ± 1 050	3 455 € ± 1 179	3 193 € ± 599
	85-89	12 956 € ± 1 961	3 167 € ± 1 139	3 600 € ± 1 214	3 325 € ± 646
	90+	12 028 € ± 1 833	2 980 € ± 1 042	3 384 € ± 1 116	3 089 € ± 607

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.5 Health expenditure ratio associated with “Acute myocardial infarction” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	2.3 ± 0.2	1.2 ± 0.1		1.2 ± 0.0
Women	2.6 ± 0.2	1.4 ± 0.1	1.4 € ± 0.2	1.4 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.6 Chronic ischaemic heart disease

Table 11.6 Extra health expenditure* associated with “Chronic ischaemic heart disease” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	2 577 € ± 277	1 113 € ± 156	385 € ± 94	503 € ± 38
	40-49	3 515 € ± 379	1 522 € ± 217	525 € ± 130	688 € ± 54
	50-59	5 024 € ± 545	2 173 € ± 313	755 € ± 185	985 € ± 75
	60-64	6 188 € ± 669	2 687 € ± 388	931 € ± 230	1 214 € ± 99
	65-69	7 052 € ± 776	3 051 € ± 441	1 050 € ± 260	1 378 € ± 115
	70-74	8 589 € ± 937	3 711 € ± 540	1 287 € ± 325	1 679 € ± 151
	75-79	9 662 € ± 1 057	4 189 € ± 615	1 452 € ± 370	1 890 € ± 178
	80-84	10 343 € ± 1 158	4 470 € ± 668	1 549 € ± 409	2 021 € ± 214
	85-89	11 387 € ± 1 348	4 917 € ± 784	1 705 € ± 479	2 223 € ± 296
	90+	7 475 € ± 988	3 236 € ± 576	1 119 € ± 366	1 462 € ± 280
Women	18-39	2 323 € ± 357	957 € ± 235	1 017 € ± 233	851 € ± 91
	40-49	2 337 € ± 358	968 € ± 238	1 024 € ± 238	857 € ± 93
	50-59	2 848 € ± 436	1 177 € ± 290	1 256 € ± 284	1 046 € ± 114
	60-64	3 131 € ± 475	1 299 € ± 324	1 373 € ± 320	1 152 € ± 127
	65-69	3 632 € ± 554	1 500 € ± 368	1 601 € ± 371	1 333 € ± 148
	70-74	4 135 € ± 637	1 714 € ± 427	1 821 € ± 419	1 521 € ± 177
	75-79	4 922 € ± 751	2 046 € ± 511	2 158 € ± 503	1 807 € ± 209
	80-84	5 452 € ± 835	2 250 € ± 563	2 403 € ± 563	2 001 € ± 235
	85-89	5 663 € ± 888	2 334 € ± 589	2 477 € ± 589	2 076 € ± 257
	90+	5 197 € ± 839	2 152 € ± 556	2 285 € ± 549	1 908 € ± 261

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.6 Health expenditure ratio associated with “Chronic ischaemic heart disease” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	4.3 ± 0.4	2.4 ± 0.2	1.5 € ± 0.1	1.6 ± 0.0
Women	2.6 ± 0.2	1.6 ± 0.2	1.7 € ± 0.2	1.6 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.6 Extra health expenditure* associated with “Chronic ischaemic heart disease” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	5 232 € ± 370	1 107 € ± 217	2 024 € ± 249	1 585 € ± 132
	40-49	6 718 € ± 487	1 423 € ± 278	2 599 € ± 326	2 035 € ± 175
	50-59	8 076 € ± 538	1 691 € ± 320	3 099 € ± 372	2 424 € ± 190
	60-64	8 815 € ± 646	1 846 € ± 343	3 414 € ± 422	2 657 € ± 221
	65-69	9 444 € ± 682	1 987 € ± 377	3 649 € ± 435	2 852 € ± 229
	70-74	10 209 € ± 739	2 166 € ± 406	3 970 € ± 480	3 101 € ± 265
	75-79	10 840 € ± 807	2 271 € ± 451	4 178 € ± 498	3 264 € ± 278
	80-84	11 778 € ± 911	2 487 € ± 476	4 525 € ± 559	3 545 € ± 328
	85-89	11 497 € ± 910	2 449 € ± 534	4 417 € ± 604	3 475 € ± 389
	90+	10 411 € ± 1 028	2 184 € ± 580	4 050 € ± 659	3 175 € ± 503
Women	18-39	7 045 € ± 581	2 852 € ± 370	2 626 € ± 356	1 927 € ± 164
	40-49	8 391 € ± 701	3 390 € ± 427	3 158 € ± 413	2 331 € ± 215
	50-59	9 307 € ± 773	3 779 € ± 490	3 481 € ± 461	2 570 € ± 210
	60-64	9 845 € ± 806	3 957 € ± 530	3 695 € ± 497	2 695 € ± 243
	65-69	10 719 € ± 893	4 315 € ± 545	3 951 € ± 538	2 945 € ± 255
	70-74	11 295 € ± 995	4 560 € ± 581	4 241 € ± 567	3 129 € ± 289
	75-79	12 142 € ± 992	4 885 € ± 624	4 490 € ± 617	3 348 € ± 297
	80-84	12 936 € ± 1 094	5 229 € ± 664	4 814 € ± 657	3 570 € ± 315
	85-89	13 161 € ± 1 068	5 285 € ± 716	4 904 € ± 669	3 635 € ± 343
	90+	12 207 € ± 1 027	4 922 € ± 671	4 569 € ± 631	3 375 € ± 350

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.6 Health expenditure ratio associated with “Chronic ischaemic heart disease” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	2.5 ± 0.1	1.3 ± 0.1	1.6 € ± 0.1	1.4 ± 0.0
Women	2.7 ± 0.1	1.7 ± 0.1	1.6 € ± 0.1	1.5 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.7 Acute myocardial infarction/Chronic ischaemic heart disease

Table 11.7 Extra health expenditure* associated with “Acute myocardial infarction/Chronic ischaemic heart disease” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	2 738 € ± 222	870 € ± 103	438 € ± 77	518 € ± 34
	40-49	3 748 € ± 305	1 194 € ± 144	600 € ± 107	711 € ± 48
	50-59	5 352 € ± 438	1 702 € ± 208	860 € ± 153	1 017 € ± 67
	60-64	6 567 € ± 538	2 096 € ± 258	1 056 € ± 190	1 247 € ± 90
	65-69	7 527 € ± 628	2 396 € ± 296	1 201 € ± 217	1 426 € ± 106
	70-74	9 133 € ± 762	2 903 € ± 364	1 465 € ± 273	1 731 € ± 141
	75-79	10 337 € ± 869	3 295 € ± 418	1 660 € ± 314	1 959 € ± 169
	80-84	11 116 € ± 969	3 534 € ± 465	1 781 € ± 353	2 105 € ± 204
	85-89	12 130 € ± 1 142	3 855 € ± 557	1 943 € ± 417	2 296 € ± 285
	90+	7 926 € ± 875	2 524 € ± 429	1 270 € ± 334	1 503 € ± 272
Women	18-39	2 775 € ± 339	1 181 € ± 218	1 680 € ± 257	776 € ± 81
	40-49	2 792 € ± 340	1 193 € ± 221	1 692 € ± 263	781 € ± 83
	50-59	3 404 € ± 415	1 453 € ± 270	2 071 € ± 314	954 € ± 101
	60-64	3 749 € ± 452	1 604 € ± 302	2 274 € ± 354	1 051 € ± 114
	65-69	4 352 € ± 528	1 856 € ± 344	2 647 € ± 410	1 218 € ± 133
	70-74	4 940 € ± 606	2 113 € ± 399	3 003 € ± 465	1 386 € ± 159
	75-79	5 909 € ± 719	2 533 € ± 480	3 582 € ± 561	1 654 € ± 190
	80-84	6 512 € ± 796	2 775 € ± 526	3 961 € ± 624	1 824 € ± 212
	85-89	6 783 € ± 854	2 888 € ± 552	4 104 € ± 656	1 897 € ± 235
	90+	6 244 € ± 812	2 668 € ± 527	3 793 € ± 614	1 749 € ± 242

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.7 Health expenditure ratio associated with “Acute myocardial infarction/Chronic ischaemic heart disease” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	4.5 ± 0.3	2.1 ± 0.1	1.6 € ± 0.1	1.7 ± 0.0
Women	2.9 ± 0.2	1.8 ± 0.1	2.1 € ± 0.2	1.5 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.7 Extra health expenditure* associated with “Acute myocardial infarction/Chronic ischaemic heart disease” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	5 818 € ± 404	1 735 € ± 253	2 244 € ± 269	1 644 € ± 137
	40-49	7 519 € ± 538	2 244 € ± 328	2 899 € ± 355	2 124 € ± 184
	50-59	9 096 € ± 599	2 686 € ± 382	3 480 € ± 407	2 547 € ± 202
	60-64	9 915 € ± 715	2 931 € ± 406	3 828 € ± 462	2 788 € ± 233
	65-69	10 547 € ± 749	3 130 € ± 444	4 062 € ± 472	2 972 € ± 241
	70-74	11 367 € ± 809	3 402 € ± 474	4 406 € ± 517	3 221 € ± 276
	75-79	12 024 € ± 880	3 557 € ± 527	4 619 € ± 535	3 378 € ± 288
	80-84	13 069 € ± 990	3 889 € ± 553	5 005 € ± 599	3 670 € ± 340
	85-89	12 802 € ± 994	3 835 € ± 616	4 904 € ± 646	3 610 € ± 402
	90+	11 553 € ± 1 111	3 424 € ± 656	4 479 € ± 696	3 287 € ± 515
Women	18-39	7 582 € ± 605	3 134 € ± 389	2 739 € ± 366	1 961 € ± 168
	40-49	9 029 € ± 730	3 725 € ± 448	3 293 € ± 424	2 372 € ± 220
	50-59	10 015 € ± 804	4 152 € ± 516	3 630 € ± 474	2 616 € ± 216
	60-64	10 566 € ± 838	4 338 € ± 554	3 843 € ± 510	2 736 € ± 248
	65-69	11 517 € ± 929	4 735 € ± 572	4 115 € ± 551	2 993 € ± 261
	70-74	12 150 € ± 1 036	5 010 € ± 610	4 421 € ± 582	3 184 € ± 295
	75-79	13 013 € ± 1 027	5 348 € ± 653	4 665 € ± 631	3 394 € ± 303
	80-84	13 910 € ± 1 138	5 742 € ± 697	5 016 € ± 675	3 631 € ± 322
	85-89	14 111 € ± 1 107	5 788 € ± 751	5 096 € ± 685	3 686 € ± 349
	90+	13 082 € ± 1 066	5 387 € ± 702	4 745 € ± 645	3 421 € ± 355

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.7 Health expenditure ratio associated with “Acute myocardial infarction/Chronic ischaemic heart disease” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	2.6 ± 0.1	1.5 ± 0.1	1.6 € ± 0.1	1.5 ± 0.0
Women	2.9 ± 0.2	1.8 ± 0.1	1.7 € ± 0.1	1.5 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.8 Stomach cancer

Table 11.8 Extra health expenditure* associated with “Stomach cancer” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	17 912 € ± 6 221	2 916 € ± 1 674	2 281 € ± 1 614	189 € ± 205
	40-49	24 325 € ± 8 462	4 012 € ± 2 340	3 116 € ± 2 229	263 € ± 286
	50-59	34 634 € ± 12 106	5 688 € ± 3 370	4 493 € ± 3 215	378 € ± 398
	60-64	42 474 € ± 14 736	7 076 € ± 4 144	5 541 € ± 3 896	458 € ± 493
	65-69	48 542 € ± 17 172	7 983 € ± 4 685	6 115 € ± 4 367	516 € ± 558
	70-74	58 817 € ± 20 208	9 630 € ± 5 693	7 585 € ± 5 390	628 € ± 687
	75-79	66 576 € ± 22 876	11 054 € ± 6 526	8 656 € ± 6 203	705 € ± 771
	80-84	72 519 € ± 25 065	11 886 € ± 7 018	9 375 € ± 6 759	770 € ± 854
	85-89	78 071 € ± 27 078	12 791 € ± 7 632	10 049 € ± 7 241	831 € ± 924
	90+	49 133 € ± 17 117	8 112 € ± 4 884	6 323 € ± 4 570	526 € ± 607
Women	18-39	16 861 € ± 7 441	6 828 € ± 4 621		540 € ± 327
	40-49	16 898 € ± 7 495	6 941 € ± 4 733		542 € ± 333
	50-59	20 621 € ± 9 057	8 441 € ± 5 756		668 € ± 408
	60-64	22 405 € ± 9 725	9 297 € ± 6 352		726 € ± 441
	65-69	25 944 € ± 11 363	10 565 € ± 7 040		832 € ± 507
	70-74	29 507 € ± 13 035	12 160 € ± 8 237		957 € ± 593
	75-79	35 445 € ± 15 471	14 773 € ± 10 131		1 143 € ± 705
	80-84	39 378 € ± 17 159	16 063 € ± 11 100		1 272 € ± 780
	85-89	40 877 € ± 18 134	16 582 € ± 11 340		1 312 € ± 813
	90+	36 724 € ± 16 380	15 071 € ± 10 128		1 183 € ± 744

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.8 Health expenditure ratio associated with “Stomach cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	23.9 ± 8.0	4.7 ± 2.1	3.9 € ± 2.1	1.2 ± 0.3
Women	12.4 ± 5.0	5.6 ± 3.1		1.4 ± 0.2

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.8 Extra health expenditure* associated with “Stomach cancer” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	15 747 € ± 4 859	3 976 € ± 2 611	3 013 € ± 2 143	992 € ± 705
	40-49	20 606 € ± 6 482	5 192 € ± 3 441	3 925 € ± 2 875	1 276 € ± 951
	50-59	26 573 € ± 7 962	6 424 € ± 4 313	4 877 € ± 3 426	1 597 € ± 1 235
	60-64	28 983 € ± 9 264	6 963 € ± 4 504	5 590 € ± 3 919	1 762 € ± 1 269
	65-69	30 934 € ± 9 662	7 599 € ± 5 014	5 846 € ± 4 103	1 905 € ± 1 397
	70-74	32 770 € ± 10 290	8 330 € ± 5 128	6 373 € ± 4 450	2 066 € ± 1 489
	75-79	36 846 € ± 11 935	8 935 € ± 5 987	6 807 € ± 4 606	2 201 € ± 1 600
	80-84	39 302 € ± 12 807	9 675 € ± 5 938	7 171 € ± 5 043	2 353 € ± 1 737
	85-89	39 369 € ± 12 240	10 018 € ± 6 341	7 182 € ± 5 054	2 419 € ± 1 753
	90+	35 533 € ± 11 745	8 648 € ± 5 777	6 837 € ± 4 665	2 272 € ± 1 673
Women	18-39	20 605 € ± 8 836	13 467 € ± 5 884	4 949 € ± 5 633	6 457 € ± 1 478
	40-49	24 069 € ± 10 246	15 696 € ± 6 585	5 979 € ± 6 498	7 999 € ± 1 931
	50-59	27 092 € ± 11 741	18 054 € ± 8 068	6 502 € ± 7 252	8 813 € ± 2 004
	60-64	29 909 € ± 12 705	19 155 € ± 9 008	7 488 € ± 8 065	9 403 € ± 2 146
	65-69	32 625 € ± 14 162	20 744 € ± 8 809	7 167 € ± 8 795	10 277 € ± 2 272
	70-74	34 591 € ± 15 522	22 181 € ± 9 258	8 560 € ± 9 420	11 174 € ± 2 507
	75-79	37 399 € ± 15 633	23 803 € ± 10 067	8 399 € ± 9 874	11 955 € ± 2 691
	80-84	39 746 € ± 17 482	25 860 € ± 11 049	9 230 € ± 10 700	12 844 € ± 2 978
	85-89	41 058 € ± 17 328	26 471 € ± 12 224	9 697 € ± 11 417	13 412 € ± 3 185
	90+	38 685 € ± 15 923	24 978 € ± 11 112	9 400 € ± 10 324	12 485 € ± 2 893

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.8 Health expenditure ratio associated with “Stomach cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	5.5 ± 1.4	2.1 ± 0.7	1.9 € ± 0.6	1.3 ± 0.2
Women	6.1 ± 2.2	4.3 ± 1.4	2.2 € ± 1.4	2.6 ± 0.4

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.9 Colorectal cancer

Table 11.9 Extra health expenditure* associated with “Colorectal cancer” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	9 036 € ± 1 558	4 192 € ± 770	1 597 € ± 425	549 € ± 94
	40-49	12 306 € ± 2 123	5 735 € ± 1 068	2 178 € ± 588	751 € ± 130
	50-59	17 530 € ± 3 041	8 157 € ± 1 537	3 121 € ± 835	1 073 € ± 181
	60-64	21 629 € ± 3 722	10 119 € ± 1 898	3 861 € ± 1 033	1 323 € ± 228
	65-69	24 523 € ± 4 294	11 407 € ± 2 141	4 315 € ± 1 152	1 491 € ± 259
	70-74	29 692 € ± 5 098	13 792 € ± 2 593	5 271 € ± 1 416	1 807 € ± 323
	75-79	33 789 € ± 5 806	15 775 € ± 2 988	6 017 € ± 1 628	2 056 € ± 366
	80-84	36 600 € ± 6 341	17 014 € ± 3 223	6 497 € ± 1 777	2 226 € ± 418
	85-89	39 102 € ± 6 908	18 141 € ± 3 530	6 925 € ± 1 923	2 374 € ± 489
	90+	24 873 € ± 4 568	11 583 € ± 2 356	4 408 € ± 1 276	1 515 € ± 375
Women	18-39	12 796 € ± 2 006	2 988 € ± 588	2 921 € ± 598	815 € ± 120
	40-49	12 870 € ± 2 013	3 019 € ± 595	2 943 € ± 610	820 € ± 122
	50-59	15 679 € ± 2 449	3 672 € ± 726	3 603 € ± 730	1 001 € ± 149
	60-64	17 174 € ± 2 649	4 037 € ± 806	3 932 € ± 816	1 098 € ± 164
	65-69	19 897 € ± 3 087	4 658 € ± 911	4 573 € ± 943	1 268 € ± 190
	70-74	22 551 € ± 3 521	5 294 € ± 1 049	5 177 € ± 1 065	1 442 € ± 224
	75-79	27 148 € ± 4 195	6 390 € ± 1 275	6 210 € ± 1 285	1 732 € ± 268
	80-84	29 840 € ± 4 635	6 979 € ± 1 391	6 856 € ± 1 424	1 904 € ± 299
	85-89	30 951 € ± 4 906	7 230 € ± 1 448	7 061 € ± 1 472	1 971 € ± 325
	90+	27 910 € ± 4 490	6 547 € ± 1 328	6 399 € ± 1 335	1 781 € ± 320

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.9 Health expenditure ratio associated with “Colorectal cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	12.6 ± 2.0	6.4 ± 1.0	3.0 € ± 0.5	1.7 ± 0.1
Women	9.7 ± 1.4	3.0 ± 0.4	3.0 € ± 0.4	1.6 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.9 Extra health expenditure* associated with “Colorectal cancer” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	12 395 € ± 1 759	5 194 € ± 1 020	3 666 € ± 855	2 063 € ± 287
	40-49	16 031 € ± 2 342	6 723 € ± 1 324	4 736 € ± 1 135	2 665 € ± 386
	50-59	20 149 € ± 2 811	8 272 € ± 1 660	5 852 € ± 1 356	3 287 € ± 484
	60-64	21 695 € ± 3 208	8 939 € ± 1 710	6 420 € ± 1 504	3 569 € ± 500
	65-69	23 216 € ± 3 398	9 631 € ± 1 882	6 836 € ± 1 570	3 835 € ± 542
	70-74	25 307 € ± 3 670	10 684 € ± 2 005	7 557 € ± 1 718	4 237 € ± 593
	75-79	28 090 € ± 4 213	11 600 € ± 2 317	8 224 € ± 1 829	4 614 € ± 643
	80-84	29 344 € ± 4 429	12 204 € ± 2 292	8 544 € ± 1 952	4 819 € ± 695
	85-89	29 798 € ± 4 364	12 511 € ± 2 462	8 681 € ± 2 009	4 928 € ± 740
	90+	27 293 € ± 4 308	11 331 € ± 2 332	8 121 € ± 1 919	4 572 € ± 798
Women	18-39	11 176 € ± 1 910	5 827 € ± 1 319	4 292 € ± 975	2 182 € ± 317
	40-49	13 295 € ± 2 298	6 911 € ± 1 506	5 196 € ± 1 135	2 673 € ± 413
	50-59	14 776 € ± 2 559	7 756 € ± 1 783	5 714 € ± 1 286	2 939 € ± 420
	60-64	16 119 € ± 2 725	8 299 € ± 1 947	6 257 € ± 1 396	3 153 € ± 465
	65-69	17 244 € ± 2 974	8 886 € ± 1 951	6 488 € ± 1 491	3 389 € ± 483
	70-74	18 472 € ± 3 311	9 570 € ± 2 079	7 172 € ± 1 586	3 685 € ± 539
	75-79	20 085 € ± 3 389	10 341 € ± 2 271	7 601 € ± 1 744	3 974 € ± 576
	80-84	21 442 € ± 3 747	11 152 € ± 2 472	8 216 € ± 1 879	4 257 € ± 629
	85-89	22 305 € ± 3 728	11 490 € ± 2 694	8 574 € ± 1 936	4 441 € ± 686
	90+	20 863 € ± 3 491	10 794 € ± 2 470	8 057 € ± 1 791	4 147 € ± 646

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11.9 Health expenditure ratio associated with “Colorectal cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	4.5 ± 0.5	2.5 ± 0.3	2.0 € ± 0.2	1.6 ± 0.1
Women	3.7 ± 0.5	2.4 ± 0.3	2.1 € ± 0.2	1.5 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.10 Lung cancer

Table 11.10 Extra health expenditure* associated with “Lung cancer” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	13 728 € ± 3 228	8 063 € ± 2 952	5 005 € ± 1 692	363 € ± 160
	40-49	18 679 € ± 4 397	11 061 € ± 4 114	6 831 € ± 2 339	498 € ± 222
	50-59	26 615 € ± 6 298	15 712 € ± 5 921	9 804 € ± 3 339	714 € ± 309
	60-64	32 670 € ± 7 667	19 471 € ± 7 275	12 078 € ± 4 095	873 € ± 384
	65-69	37 185 € ± 8 888	21 975 € ± 8 224	13 486 € ± 4 578	985 € ± 436
	70-74	45 208 € ± 10 535	26 632 € ± 9 997	16 590 € ± 5 636	1 200 € ± 538
	75-79	51 130 € ± 11 936	30 391 € ± 11 427	18 841 € ± 6 457	1 354 € ± 605
	80-84	55 816 € ± 13 126	32 909 € ± 12 352	20 492 € ± 7 086	1 478 € ± 670
	85-89	59 630 € ± 14 147	35 124 € ± 13 354	21 816 € ± 7 573	1 579 € ± 742
	90+	37 654 € ± 9 092	22 291 € ± 8 572	13 790 € ± 4 856	1 001 € ± 505
Women	18-39	23 885 € ± 6 309	10 844 € ± 3 181	1 710 € ± 867	569 € ± 271
	40-49	23 990 € ± 6 337	10 969 € ± 3 227	1 723 € ± 884	571 € ± 275
	50-59	29 222 € ± 7 686	13 328 € ± 3 933	2 124 € ± 1 060	702 € ± 337
	60-64	31 944 € ± 8 297	14 671 € ± 4 356	2 298 € ± 1 179	766 € ± 365
	65-69	36 885 € ± 9 645	16 818 € ± 4 881	2 680 € ± 1 359	878 € ± 421
	70-74	41 949 € ± 11 039	19 214 € ± 5 666	3 038 € ± 1 536	1 008 € ± 491
	75-79	50 440 € ± 13 127	23 204 € ± 6 885	3 624 € ± 1 844	1 205 € ± 586
	80-84	56 111 € ± 14 646	25 551 € ± 7 570	4 080 € ± 2 075	1 343 € ± 647
	85-89	57 750 € ± 15 339	26 237 € ± 7 758	4 129 € ± 2 110	1 378 € ± 677
	90+	52 149 € ± 13 951	23 850 € ± 7 040	3 763 € ± 1 904	1 247 € ± 624

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 10 Health expenditure ratio associated with “Lung cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18.6 ± 4.1	11.3 ± 3.8	7.4 € ± 2.2	1.5 ± 0.2
Women	17.2 ± 4.3	8.4 ± 2.2	2.2 € ± 0.6	1.4 ± 0.2

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 10 Extra health expenditure* associated with “Lung cancer” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	15 364 € ± 2 361	10 106 € ± 2 006	3 612 € ± 1 066	3 656 € ± 524
	40-49	19 998 € ± 3 165	13 163 € ± 2 626	4 692 € ± 1 424	4 751 € ± 704
	50-59	24 873 € ± 3 759	16 005 € ± 3 256	5 732 € ± 1 681	5 792 € ± 889
	60-64	26 889 € ± 4 305	17 369 € ± 3 360	6 337 € ± 1 877	6 316 € ± 904
	65-69	28 782 € ± 4 554	18 729 € ± 3 719	6 733 € ± 1 951	6 792 € ± 992
	70-74	31 090 € ± 4 876	20 614 € ± 3 910	7 383 € ± 2 124	7 448 € ± 1 073
	75-79	35 231 € ± 5 725	22 820 € ± 4 622	8 181 € ± 2 294	8 263 € ± 1 185
	80-84	37 387 € ± 6 117	24 379 € ± 4 628	8 626 € ± 2 499	8 768 € ± 1 291
	85-89	37 782 € ± 5 977	24 883 € ± 4 930	8 718 € ± 2 545	8 924 € ± 1 328
	90+	34 444 € ± 5 829	22 440 € ± 4 588	8 149 € ± 2 391	8 244 € ± 1 334
Women	18-39	18 141 € ± 3 766	9 570 € ± 2 604	10 566 € ± 2 535	5 325 € ± 812
	40-49	21 264 € ± 4 445	11 171 € ± 2 918	12 636 € ± 2 924	6 450 € ± 1 035
	50-59	23 817 € ± 5 005	12 668 € ± 3 511	13 993 € ± 3 322	7 137 € ± 1 080
	60-64	25 912 € ± 5 304	13 470 € ± 3 822	15 260 € ± 3 586	7 619 € ± 1 163
	65-69	28 165 € ± 5 905	14 641 € ± 3 873	16 040 € ± 3 891	8 313 € ± 1 235
	70-74	29 979 € ± 6 504	15 675 € ± 4 074	17 651 € ± 4 121	8 995 € ± 1 360
	75-79	32 755 € ± 6 696	17 009 € ± 4 480	18 775 € ± 4 536	9 741 € ± 1 473
	80-84	35 092 € ± 7 456	18 447 € ± 4 909	20 405 € ± 4 912	10 489 € ± 1 621
	85-89	36 644 € ± 7 439	19 068 € ± 5 391	21 393 € ± 5 084	11 002 € ± 1 756
	90+	33 874 € ± 6 844	17 707 € ± 4 865	19 831 € ± 4 611	10 125 € ± 1 591

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 10 Health expenditure ratio associated with “Lung cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	5.3 ± 0.7	3.9 ± 0.6	2.0 € ± 0.3	2.0 ± 0.1
Women	5.5 ± 0.9	3.3 ± 0.6	3.6 € ± 0.6	2.3 ± 0.2

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.11 Liver cancer

Table 11. 11 Extra health expenditure* associated with “Liver cancer” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	9 993 € ± 9 712	3 652 € ± 3 794	5 938 € ± 4 896	503 € ± 592
	40-49	13 466 € ± 13 211	5 074 € ± 5 343	8 122 € ± 6 774	700 € ± 837
	50-59	19 144 € ± 18 550	7 189 € ± 7 746	11 722 € ± 9 865	1 002 € ± 1 157
	60-64	23 292 € ± 22 705	8 985 € ± 9 579	14 452 € ± 11 809	1 217 € ± 1 419
	65-69	27 255 € ± 27 452	10 128 € ± 10 815	15 900 € ± 13 265	1 369 € ± 1 606
	70-74	32 540 € ± 30 702	12 193 € ± 13 267	19 805 € ± 16 549	1 675 € ± 1 989
	75-79	36 551 € ± 34 790	14 058 € ± 15 268	22 581 € ± 18 957	1 868 € ± 2 203
	80-84	40 093 € ± 38 643	15 032 € ± 16 402	24 519 € ± 20 611	2 054 € ± 2 449
	85-89	43 633 € ± 41 785	16 292 € ± 17 879	26 288 € ± 22 108	2 214 € ± 2 647
	90+	27 209 € ± 25 932	10 378 € ± 11 545	16 584 € ± 13 924	1 399 € ± 1 653
Women	18-39	34 440 € ± 27 146	1 340 € ± 4 597	6 815 € ± 4 641	786 € ± 854
	40-49	34 415 € ± 27 649	1 417 € ± 4 924	6 882 € ± 4 732	787 € ± 868
	50-59	42 006 € ± 32 822	1 719 € ± 5 892	8 483 € ± 5 671	982 € ± 1 083
	60-64	45 207 € ± 35 035	1 909 € ± 6 274	9 162 € ± 6 310	1 056 € ± 1 161
	65-69	52 622 € ± 41 281	2 009 € ± 6 733	10 724 € ± 7 271	1 205 € ± 1 322
	70-74	59 883 € ± 48 331	2 447 € ± 8 154	12 129 € ± 8 207	1 402 € ± 1 559
	75-79	71 799 € ± 56 777	3 129 € ± 10 633	14 451 € ± 9 771	1 664 € ± 1 840
	80-84	80 044 € ± 62 509	3 277 € ± 12 405	16 299 € ± 11 099	1 859 € ± 2 049
	85-89	83 354 € ± 65 989	3 309 € ± 11 887	16 478 € ± 11 119	1 914 € ± 2 129
	90+	74 864 € ± 59 977	2 984 € ± 9 884	15 016 € ± 10 134	1 728 € ± 1 914

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 11 Health expenditure ratio associated with “Liver cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	13.8 ± 12.4	5.7 ± 4.9	8.6 € ± 6.3	1.6 ± 0.8
Women	24.3 ± 18.4	1.9 ± 3.1	5.6 € ± 3.1	1.5 ± 0.6

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 11 Extra health expenditure* associated with “Liver cancer” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	10 763 € ± 2 990	12 417 € ± 3 909	12 197 € ± 3 803	9 867 € ± 2 160
	40-49	13 996 € ± 3 982	16 162 € ± 5 124	15 854 € ± 5 070	12 795 € ± 2 880
	50-59	17 840 € ± 4 826	19 822 € ± 6 396	19 514 € ± 6 011	15 758 € ± 3 716
	60-64	19 430 € ± 5 597	21 696 € ± 6 677	21 873 € ± 6 822	17 382 € ± 3 791
	65-69	20 879 € ± 5 902	23 628 € ± 7 454	23 389 € ± 7 197	18 844 € ± 4 216
	70-74	22 337 € ± 6 344	26 113 € ± 7 784	25 757 € ± 7 854	20 736 € ± 4 522
	75-79	25 069 € ± 7 322	28 158 € ± 9 025	27 801 € ± 8 202	22 383 € ± 4 886
	80-84	26 617 € ± 7 821	30 152 € ± 8 979	29 319 € ± 8 931	23 764 € ± 5 261
	85-89	26 746 € ± 7 528	30 853 € ± 9 559	29 558 € ± 8 988	24 165 € ± 5 301
	90+	24 041 € ± 7 195	27 290 € ± 8 685	27 386 € ± 8 266	22 174 € ± 5 005
Women	18-39	8 462 € ± 3 962	2 733 € ± 3 818	11 242 € ± 5 046	10 063 € ± 2 635
	40-49	9 808 € ± 4 608	2 890 € ± 4 155	13 576 € ± 5 886	12 459 € ± 3 438
	50-59	11 083 € ± 5 282	3 618 € ± 5 252	15 024 € ± 6 682	13 737 € ± 3 569
	60-64	12 235 € ± 5 668	3 759 € ± 6 195	16 583 € ± 7 257	14 599 € ± 3 805
	65-69	13 291 € ± 6 287	3 961 € ± 5 542	16 912 € ± 7 814	15 896 € ± 3 993
	70-74	14 097 € ± 6 908	4 224 € ± 5 861	19 041 € ± 8 327	17 359 € ± 4 441
	75-79	15 322 € ± 7 008	4 509 € ± 6 383	19 772 € ± 9 013	18 620 € ± 4 783
	80-84	16 225 € ± 7 809	4 940 € ± 7 073	21 536 € ± 9 743	19 974 € ± 5 308
	85-89	16 801 € ± 7 765	5 011 € ± 8 110	22 526 € ± 10 105	20 933 € ± 5 682
	90+	15 855 € ± 7 147	4 909 € ± 7 279	21 263 € ± 9 261	19 477 € ± 5 139

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 11 Health expenditure ratio associated with “Liver cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	4.0 ± 0.8	4.5 ± 1.1	4.4 € ± 1.1	3.8 ± 0.6
Women	3.1 ± 1.0	1.7 ± 0.9	3.8 € ± 1.2	3.5 ± 0.6

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.12 Breast cancer

Table 11. 12 Extra health expenditure* associated with “Breast cancer” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Women	18-39	14 162 € ± 1 010	5 537 € ± 435	3 176 € ± 315	1 523 € ± 66
	40-49	14 337 € ± 1 018	5 615 € ± 442	3 217 € ± 324	1 543 € ± 69
	50-59	17 300 € ± 1 229	6 771 € ± 535	3 892 € ± 383	1 862 € ± 83
	60-64	19 054 € ± 1 346	7 470 € ± 599	4 277 € ± 434	2 053 € ± 96
	65-69	21 936 € ± 1 561	8 586 € ± 678	4 934 € ± 498	2 361 € ± 112
	70-74	24 738 € ± 1 784	9 693 € ± 782	5 562 € ± 564	2 666 € ± 140
	75-79	29 229 € ± 2 092	11 464 € ± 933	6 559 € ± 670	3 147 € ± 169
	80-84	32 439 € ± 2 354	12 689 € ± 1 037	7 297 € ± 754	3 492 € ± 197
	85-89	33 468 € ± 2 523	13 086 € ± 1 098	7 502 € ± 793	3 601 € ± 237
	90+	30 707 € ± 2 427	12 030 € ± 1 060	6 901 € ± 749	3 306 € ± 263

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 12 Health expenditure ratio associated with “Breast cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Women	10.6 ± 0.7	4.7 ± 0.3	3.1 € ± 0.2	2.0 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 12 Extra health expenditure* associated with “Breast cancer” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Women	18-39	9 859 € ± 1 148	4 063 € ± 645	2 944 € ± 560	1 644 € ± 159
	40-49	11 463 € ± 1 347	4 715 € ± 720	3 466 € ± 630	1 949 € ± 205
	50-59	13 408 € ± 1 578	5 550 € ± 889	4 020 € ± 754	2 264 € ± 212
	60-64	14 598 € ± 1 686	5 962 € ± 977	4 398 € ± 823	2 436 € ± 250
	65-69	15 733 € ± 1 846	6 434 € ± 992	4 621 € ± 882	2 636 € ± 259
	70-74	16 679 € ± 2 041	6 847 € ± 1 045	5 027 € ± 934	2 822 € ± 296
	75-79	18 536 € ± 2 137	7 575 € ± 1 172	5 469 € ± 1 045	3 120 € ± 318
	80-84	19 927 € ± 2 374	8 200 € ± 1 278	5 933 € ± 1 138	3 360 € ± 342
	85-89	20 718 € ± 2 363	8 461 € ± 1 394	6 182 € ± 1 172	3 497 € ± 382
	90+	19 200 € ± 2 216	7 871 € ± 1 276	5 762 € ± 1 083	3 242 € ± 382

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 12 Health expenditure ratio associated with “Breast cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Women	3.5 ± 0.3	2.1 ± 0.2	1.8 € ± 0.1	1.4 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.13 Esophageal cancer

Table 11.13 Extra health expenditure* associated with “Esophageal cancer” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	6 463 € ± 4 266	2 363 € ± 1 977	626 € ± 1 605	2 430 € ± 1 090
	40-49	8 737 € ± 5 788	3 267 € ± 2 774	863 € ± 2 239	3 342 € ± 1 527
	50-59	12 430 € ± 8 243	4 627 € ± 4 005	1 276 € ± 3 329	4 777 € ± 2 121
	60-64	15 188 € ± 10 040	5 778 € ± 4 930	1 562 € ± 3 839	5 852 € ± 2 612
	65-69	17 542 € ± 11 859	6 509 € ± 5 571	1 648 € ± 4 378	6 593 € ± 2 954
	70-74	21 149 € ± 13 717	7 841 € ± 6 798	2 132 € ± 5 674	8 044 € ± 3 642
	75-79	23 810 € ± 15 512	9 020 € ± 7 798	2 469 € ± 6 326	9 063 € ± 4 064
	80-84	26 048 € ± 17 073	9 672 € ± 8 390	2 669 € ± 6 787	9 900 € ± 4 500
	85-89	28 273 € ± 18 473	10 470 € ± 9 149	2 886 € ± 7 353	10 636 € ± 4 853
	90+	17 703 € ± 11 547	6 653 € ± 5 871	1 787 € ± 4 589	6 736 € ± 3 064
Women	18-39	2 496 € ± 6 640	2 897 € ± 2 433	-166 € ± 1 295	
	40-49	2 490 € ± 7 134	2 951 € ± 2 492	-160 € ± 1 327	
	50-59	3 006 € ± 7 836	3 586 € ± 3 029	-173 € ± 1 568	
	60-64	3 096 € ± 8 302	3 954 € ± 3 344	-223 € ± 1 764	
	65-69	3 695 € ± 9 814	4 480 € ± 3 708	-222 € ± 2 017	
	70-74	4 273 € ± 14 427	5 170 € ± 4 338	-273 € ± 2 305	
	75-79	5 036 € ± 14 510	6 299 € ± 5 337	-361 € ± 2 661	
	80-84	5 652 € ± 15 383	6 827 € ± 5 852	-314 € ± 3 115	
	85-89	6 057 € ± 15 630	7 029 € ± 5 969	-413 € ± 3 006	
	90+	5 390 € ± 15 135	6 409 € ± 5 337	-355 € ± 2 819	

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 13 Health expenditure ratio associated with “Esophageal cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	9.3 ± 5.5	4.0 ± 2.5	1.8 € ± 2.1	4.1 ± 1.4
Women	2.7 ± 4.5	3.0 ± 1.6	0.9 € ± 0.9	0.9 ± 0.3

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 13 Extra health expenditure* associated with “Esophageal cancer” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	19 250 € ± 7 197	3 399 € ± 2 252	8 060 € ± 3 681	1 333 € ± 832
	40-49	25 111 € ± 9 517	4 426 € ± 2 961	10 504 € ± 4 924	1 714 € ± 1 118
	50-59	32 441 € ± 11 689	5 444 € ± 3 691	12 962 € ± 5 835	2 132 € ± 1 447
	60-64	35 178 € ± 13 569	5 878 € ± 3 841	14 610 € ± 6 640	2 341 € ± 1 475
	65-69	37 681 € ± 14 110	6 450 € ± 4 296	15 520 € ± 6 996	2 545 € ± 1 637
	70-74	39 725 € ± 15 079	7 090 € ± 4 420	16 993 € ± 7 600	2 770 € ± 1 747
	75-79	45 277 € ± 17 716	7 641 € ± 5 185	18 341 € ± 7 913	2 971 € ± 1 891
	80-84	47 897 € ± 18 845	8 210 € ± 5 100	19 227 € ± 8 587	3 149 € ± 2 033
	85-89	47 812 € ± 17 859	8 494 € ± 5 435	19 301 € ± 8 601	3 226 € ± 2 047
	90+	42 967 € ± 17 116	7 304 € ± 4 938	18 059 € ± 7 914	3 012 € ± 1 939
Women	18-39	12 975 € ± 9 404	6 146 € ± 9 974	29 914 € ± 21 254	1 862 € ± 1 485
	40-49	14 763 € ± 10 465	6 341 € ± 10 284	36 011 € ± 24 422	2 446 € ± 1 960
	50-59	16 771 € ± 12 226	8 212 € ± 13 777	39 713 € ± 27 356	2 599 € ± 2 018
	60-64	18 808 € ± 13 595	8 856 € ± 19 431	44 606 € ± 30 437	2 728 € ± 2 160
	65-69	20 580 € ± 14 982	8 787 € ± 13 606	44 535 € ± 33 068	3 031 € ± 2 255
	70-74	21 798 € ± 16 528	9 313 € ± 14 711	51 029 € ± 35 447	3 434 € ± 2 528
	75-79	23 501 € ± 16 335	9 958 € ± 15 842	52 069 € ± 37 262	3 612 € ± 2 714
	80-84	24 768 € ± 18 485	10 984 € ± 18 209	56 852 € ± 40 323	3 814 € ± 3 026
	85-89	25 388 € ± 18 272	11 545 € ± 22 615	59 432 € ± 43 051	4 053 € ± 3 228
	90+	24 152 € ± 16 564	11 117 € ± 19 331	56 485 € ± 38 855	3 825 € ± 2 907

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 13 Health expenditure ratio associated with “Esophageal cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	6.4 ± 2.0	2.0 ± 0.6	3.3 € ± 1.0	1.4 ± 0.2
Women	4.2 ± 2.3	2.5 ± 2.4	8.3 € ± 5.2	1.5 ± 0.4

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.14 Kidney cancer

Table 11. 14 Extra health expenditure* associated with “Kidney cancer” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	3 508 € ± 1 167	2 048 € ± 750	1 426 € ± 680	951 € ± 227
	40-49	4 764 € ± 1 589	2 808 € ± 1 043	1 945 € ± 940	1 303 € ± 314
	50-59	6 783 € ± 2 275	3 987 € ± 1 500	2 798 € ± 1 342	1 863 € ± 438
	60-64	8 340 € ± 2 776	4 955 € ± 1 847	3 457 € ± 1 648	2 291 € ± 544
	65-69	9 504 € ± 3 216	5 582 € ± 2 086	3 835 € ± 1 841	2 581 € ± 616
	70-74	11 534 € ± 3 806	6 760 € ± 2 533	4 733 € ± 2 266	3 143 € ± 760
	75-79	13 042 € ± 4 303	7 721 € ± 2 898	5 384 € ± 2 598	3 556 € ± 856
	80-84	14 212 € ± 4 716	8 340 € ± 3 129	5 837 € ± 2 843	3 871 € ± 950
	85-89	15 311 € ± 5 113	8 955 € ± 3 409	6 257 € ± 3 058	4 149 € ± 1 050
	90+	9 677 € ± 3 267	5 701 € ± 2 208	3 962 € ± 1 965	2 637 € ± 714
Women	18-39	4 236 € ± 1 713	1 596 € ± 944	6 808 € ± 2 389	2 339 € ± 509
	40-49	4 248 € ± 1 722	1 621 € ± 959	6 862 € ± 2 435	2 354 € ± 517
	50-59	5 185 € ± 2 088	1 972 € ± 1 170	8 428 € ± 2 923	2 878 € ± 633
	60-64	5 634 € ± 2 245	2 167 € ± 1 293	9 147 € ± 3 247	3 147 € ± 685
	65-69	6 523 € ± 2 618	2 473 € ± 1 447	10 638 € ± 3 743	3 622 € ± 789
	70-74	7 416 € ± 2 995	2 838 € ± 1 682	12 069 € ± 4 231	4 135 € ± 920
	75-79	8 925 € ± 3 566	3 447 € ± 2 049	14 449 € ± 5 084	4 965 € ± 1 097
	80-84	9 897 € ± 3 955	3 750 € ± 2 242	16 119 € ± 5 694	5 495 € ± 1 210
	85-89	10 234 € ± 4 160	3 862 € ± 2 303	16 442 € ± 5 800	5 659 € ± 1 264
	90+	9 228 € ± 3 778	3 522 € ± 2 086	14 965 € ± 5 238	5 128 € ± 1 159

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 14 Health expenditure ratio associated with “Kidney cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	5.5 ± 1.5	3.6 ± 1.0	2.8 € ± 0.9	2.2 ± 0.3
Women	3.9 ± 1.2	2.1 ± 0.6	5.6 € ± 1.6	2.6 ± 0.3

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 14 Extra health expenditure* associated with “Kidney cancer” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	13 218 € ± 3 263	3 129 € ± 1 436		3 010 € ± 575
	40-49	17 251 € ± 4 364	4 082 € ± 1 887		3 920 € ± 775
	50-59	21 966 € ± 5 298	5 017 € ± 2 360		4 837 € ± 991
	60-64	23 812 € ± 6 101	5 441 € ± 2 452		5 310 € ± 1 017
	65-69	25 656 € ± 6 471	5 951 € ± 2 739		5 763 € ± 1 125
	70-74	27 413 € ± 6 907	6 550 € ± 2 852		6 314 € ± 1 213
	75-79	30 667 € ± 7 975	7 044 € ± 3 309		6 828 € ± 1 301
	80-84	32 311 € ± 8 443	7 526 € ± 3 270		7 192 € ± 1 402
	85-89	32 632 € ± 8 186	7 772 € ± 3 497		7 344 € ± 1 436
	90+	29 439 € ± 7 845	6 800 € ± 3 198		6 749 € ± 1 409
Women	18-39	12 737 € ± 4 410	1 157 € ± 1 444	7 465 € ± 3 528	3 460 € ± 802
	40-49	14 981 € ± 5 206	1 260 € ± 1 631	9 065 € ± 4 137	4 289 € ± 1 047
	50-59	16 734 € ± 5 881	1 518 € ± 1 966	9 924 € ± 4 653	4 698 € ± 1 076
	60-64	18 536 € ± 6 350	1 579 € ± 2 193	11 091 € ± 5 106	5 050 € ± 1 169
	65-69	20 060 € ± 7 032	1 713 € ± 2 162	11 260 € ± 5 490	5 490 € ± 1 229
	70-74	21 302 € ± 7 721	1 835 € ± 2 277	12 707 € ± 5 840	5 975 € ± 1 357
	75-79	23 158 € ± 7 867	1 955 € ± 2 489	13 162 € ± 6 336	6 419 € ± 1 463
	80-84	24 555 € ± 8 717	2 124 € ± 2 714	14 291 € ± 6 830	6 862 € ± 1 604
	85-89	25 445 € ± 8 658	2 106 € ± 2 986	14 937 € ± 7 058	7 169 € ± 1 718
	90+	23 929 € ± 8 008	2 086 € ± 2 721	14 151 € ± 6 487	6 688 € ± 1 575

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 14 Health expenditure ratio associated with “Kidney cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	4.7 ± 0.9	1.9 ± 0.4	. € ± 0.2	1.8 ± 0.2
Women	4.1 ± 1.1	1.3 ± 0.4	2.8 € ± 0.9	1.8 ± 0.2

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.15 Pancreatic cancer

Table 11. 15 Extra health expenditure* associated with “Pancreatic cancer” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	14 724 € ± 7 755	2 345 € ± 1 511	6 706 € ± 4 779	4 093 € ± 1 512
	40-49	19 937 € ± 10 527	3 230 € ± 2 112	9 163 € ± 6 604	5 621 € ± 2 114
	50-59	28 373 € ± 15 017	4 576 € ± 3 043	13 210 € ± 9 575	8 033 € ± 2 941
	60-64	34 727 € ± 18 291	5 700 € ± 3 740	16 293 € ± 11 541	9 848 € ± 3 625
	65-69	39 921 € ± 21 493	6 427 € ± 4 229	17 971 € ± 12 934	11 101 € ± 4 100
	70-74	48 256 € ± 25 022	7 757 € ± 5 150	22 319 € ± 16 062	13 537 € ± 5 048
	75-79	54 431 € ± 28 308	8 899 € ± 5 896	25 433 € ± 18 431	15 278 € ± 5 646
	80-84	59 451 € ± 31 081	9 570 € ± 6 351	27 596 € ± 20 065	16 667 € ± 6 243
	85-89	64 286 € ± 33 594	10 316 € ± 6 906	29 596 € ± 21 521	17 873 € ± 6 719
	90+	40 500 € ± 21 151	6 575 € ± 4 441	18 712 € ± 13 600	11 358 € ± 4 267
Women	18-39	10 870 € ± 4 302	5 364 € ± 2 604	1 165 € ± 1 008	7 233 € ± 2 049
	40-49	10 902 € ± 4 329	5 440 € ± 2 651	1 176 € ± 1 027	7 276 € ± 2 080
	50-59	13 292 € ± 5 238	6 610 € ± 3 229	1 459 € ± 1 232	8 902 € ± 2 567
	60-64	14 467 € ± 5 635	7 276 € ± 3 571	1 563 € ± 1 370	9 736 € ± 2 767
	65-69	16 759 € ± 6 577	8 321 € ± 3 989	1 841 € ± 1 580	11 203 € ± 3 173
	70-74	19 047 € ± 7 533	9 531 € ± 4 638	2 079 € ± 1 784	12 805 € ± 3 711
	75-79	22 881 € ± 8 944	11 539 € ± 5 659	2 467 € ± 2 135	15 339 € ± 4 405
	80-84	25 430 € ± 9 946	12 614 € ± 6 203	2 799 € ± 2 407	17 019 € ± 4 873
	85-89	26 316 € ± 10 461	13 002 € ± 6 362	2 815 € ± 2 441	17 542 € ± 5 072
	90+	23 724 € ± 9 493	11 837 € ± 5 740	2 573 € ± 2 208	15 886 € ± 4 587

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 15 Health expenditure ratio associated with “Pancreatic cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	19.9 ± 9.9	4.0 ± 1.9	9.6 € ± 6.1	6.2 ± 1.9
Women	8.4 ± 2.9	4.6 ± 1.8	1.8 € ± 0.7	5.9 ± 1.4

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 15 Extra health expenditure* associated with “Pancreatic cancer” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	21 416 € ± 6 582		13 923 € ± 5 923	5 514 € ± 1 652
	40-49	28 172 € ± 8 824		18 295 € ± 7 983	7 215 € ± 2 228
	50-59	35 950 € ± 10 733		22 463 € ± 9 407	8 885 € ± 2 881
	60-64	39 390 € ± 12 552		25 493 € ± 10 797	9 854 € ± 2 956
	65-69	42 122 € ± 13 094		27 018 € ± 11 348	10 649 € ± 3 272
	70-74	44 692 € ± 13 989		29 567 € ± 12 320	11 642 € ± 3 479
	75-79	50 523 € ± 16 326		31 924 € ± 12 803	12 585 € ± 3 776
	80-84	53 297 € ± 17 309		33 413 € ± 13 872	13 280 € ± 4 038
	85-89	53 434 € ± 16 542		33 610 € ± 13 894	13 518 € ± 4 068
	90+	48 102 € ± 15 821		31 385 € ± 12 782	12 467 € ± 3 840
Women	18-39	18 775 € ± 5 340	10 236 € ± 4 173	11 271 € ± 5 040	4 630 € ± 1 504
	40-49	22 163 € ± 6 320	11 959 € ± 4 688	13 663 € ± 5 907	5 792 € ± 1 972
	50-59	24 928 € ± 7 185	13 743 € ± 5 731	15 093 € ± 6 693	6 349 € ± 2 040
	60-64	27 376 € ± 7 697	14 626 € ± 6 360	16 756 € ± 7 313	6 774 € ± 2 194
	65-69	29 468 € ± 8 481	15 701 € ± 6 232	16 998 € ± 7 830	7 357 € ± 2 290
	70-74	31 400 € ± 9 340	16 848 € ± 6 570	19 167 € ± 8 361	8 081 € ± 2 543
	75-79	34 044 € ± 9 511	18 109 € ± 7 156	19 855 € ± 9 028	8 627 € ± 2 732
	80-84	36 557 € ± 10 655	19 774 € ± 7 891	21 763 € ± 9 825	9 292 € ± 3 052
	85-89	37 734 € ± 10 516	20 166 € ± 8 658	22 634 € ± 10 122	9 699 € ± 3 249
	90+	23 929 € ± 8 008	2 086 € ± 2 721	14 151 € ± 6 487	6 688 € ± 1 575

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 15 Health expenditure ratio associated with “Pancreatic cancer” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	7.1 ± 1.9	1.0 ± 0.4	4.9 € ± 1.7	2.6 ± 0.5
Women	5.6 ± 1.3	3.5 ± 1.0	3.8 € ± 1.2	2.1 ± 0.4

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.16 Breast/liver/stomach/colorectal/lung/pancreatic/kidney/esophageal cancers

Table 11. 16 Extra health expenditure* associated with “Breast/liver/stomach/colorectal/lung cancers” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	10 269 € ± 1 098	3 374 € ± 426	2 557 € ± 374	787 € ± 79
	40-49	13 992 € ± 1 497	4 611 € ± 591	3 488 € ± 517	1 076 € ± 110
	50-59	20 047 € ± 2 157	6 599 € ± 854	5 014 € ± 737	1 544 € ± 153
	60-64	24 727 € ± 2 643	8 169 € ± 1 055	6 194 € ± 915	1 903 € ± 195
	65-69	27 928 € ± 3 043	9 193 € ± 1 190	6 938 € ± 1 019	2 143 € ± 222
	70-74	33 747 € ± 3 623	11 096 € ± 1 441	8 424 € ± 1 255	2 590 € ± 281
	75-79	38 283 € ± 4 130	12 630 € ± 1 661	9 574 € ± 1 441	2 938 € ± 321
	80-84	41 222 € ± 4 531	13 560 € ± 1 797	10 290 € ± 1 575	3 162 € ± 371
	85-89	43 714 € ± 5 022	14 363 € ± 1 999	10 894 € ± 1 726	3 350 € ± 454
	90+	27 755 € ± 3 484	9 142 € ± 1 389	6 920 € ± 1 192	2 131 € ± 368
Women	18-39	14 064 € ± 827	5 162 € ± 342	3 542 € ± 272	1 428 € ± 58
	40-49	14 293 € ± 838	5 254 € ± 350	3 601 € ± 281	1 452 € ± 60
	50-59	17 288 € ± 1 014	6 351 € ± 424	4 364 € ± 334	1 757 € ± 73
	60-64	19 033 € ± 1 114	7 001 € ± 476	4 797 € ± 379	1 935 € ± 85
	65-69	21 969 € ± 1 295	8 070 € ± 541	5 545 € ± 437	2 232 € ± 100
	70-74	24 596 € ± 1 475	9 044 € ± 619	6 207 € ± 494	2 502 € ± 126
	75-79	29 056 € ± 1 731	10 692 € ± 741	7 321 € ± 586	2 953 € ± 152
	80-84	32 106 € ± 1 943	11 789 € ± 824	8 104 € ± 659	3 263 € ± 177
	85-89	33 063 € ± 2 099	12 135 € ± 880	8 323 € ± 698	3 358 € ± 216
	90+	30 211 € ± 2 045	11 107 € ± 859	7 621 € ± 670	3 071 € ± 244

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 16 Health expenditure ratio associated with “Breast/liver/stomach/colorectal/lung cancers” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	14.1 ± 1.4	5.3 ± 0.5	4.3 € ± 0.5	2.0 ± 0.1
Women	10.5 ± 0.6	4.5 ± 0.2	3.4 € ± 0.2	2.0 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 16 Extra health expenditure* associated with “Breast/liver/stomach/colorectal/lung cancers” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	14 012 € ± 1 177	6 928 € ± 767	4 413 € ± 604	2 742 € ± 234
	40-49	18 289 € ± 1 586	9 048 € ± 1 004	5 757 € ± 808	3 577 € ± 319
	50-59	21 864 € ± 1 798	10 679 € ± 1 197	6 814 € ± 925	4 228 € ± 373
	60-64	23 431 € ± 2 051	11 475 € ± 1 229	7 384 € ± 1 017	4 555 € ± 392
	65-69	25 167 € ± 2 179	12 372 € ± 1 356	7 909 € ± 1 064	4 905 € ± 422
	70-74	27 527 € ± 2 356	13 674 € ± 1 453	8 722 € ± 1 160	5 406 € ± 471
	75-79	31 052 € ± 2 766	15 226 € ± 1 719	9 728 € ± 1 274	6 031 € ± 518
	80-84	32 782 € ± 2 953	16 142 € ± 1 726	10 235 € ± 1 378	6 366 € ± 574
	85-89	34 006 € ± 3 024	16 834 € ± 1 916	10 620 € ± 1 471	6 632 € ± 647
	90+	31 748 € ± 3 165	15 620 € ± 1 920	10 045 € ± 1 481	6 244 € ± 756
Women	18-39	10 670 € ± 896	5 418 € ± 605	4 289 € ± 526	1 797 € ± 149
	40-49	12 076 € ± 1 025	6 126 € ± 658	4 899 € ± 576	2 066 € ± 186
	50-59	14 017 € ± 1 186	7 140 € ± 801	5 654 € ± 684	2 384 € ± 191
	60-64	15 305 € ± 1 277	7 722 € ± 887	6 189 € ± 755	2 581 € ± 229
	65-69	16 497 € ± 1 399	8 332 € ± 903	6 561 € ± 806	2 791 € ± 237
	70-74	17 567 € ± 1 565	8 898 € ± 962	7 107 € ± 858	2 997 € ± 275
	75-79	19 574 € ± 1 634	9 882 € ± 1 077	7 808 € ± 967	3 325 € ± 296
	80-84	21 109 € ± 1 816	10 710 € ± 1 176	8 474 € ± 1 050	3 588 € ± 315
	85-89	22 131 € ± 1 831	11 167 € ± 1 295	8 897 € ± 1 093	3 765 € ± 356
	90+	20 588 € ± 1 742	10 415 € ± 1 199	8 304 € ± 1 019	3 506 € ± 361

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 16 Health expenditure ratio associated with “Breast/liver/stomach/colorectal/lung cancers” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	5.1 ± 0.4	3.0 ± 0.2	2.3 € ± 0.2	1.8 ± 0.1
Women	3.8 ± 0.2	2.4 ± 0.2	2.1 € ± 0.1	1.5 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.17 Diabetes

Table 11. 17 Extra health expenditure* associated with “Diabetes” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	649 € ± 76	507 € ± 63	637 € ± 72	724 € ± 27
	40-49	888 € ± 104	695 € ± 89	873 € ± 101	992 € ± 39
	50-59	1 266 € ± 150	990 € ± 127	1 248 € ± 143	1 416 € ± 54
	60-64	1 542 € ± 184	1 211 € ± 159	1 523 € ± 178	1 726 € ± 76
	65-69	1 723 € ± 210	1 348 € ± 178	1 689 € ± 198	1 921 € ± 88
	70-74	2 098 € ± 259	1 639 € ± 224	2 065 € ± 252	2 342 € ± 126
	75-79	2 349 € ± 294	1 841 € ± 258	2 315 € ± 290	2 623 € ± 154
	80-84	2 591 € ± 346	2 025 € ± 300	2 550 € ± 338	2 892 € ± 202
	85-89	2 722 € ± 410	2 124 € ± 363	2 672 € ± 402	3 030 € ± 293
	90+	1 806 € ± 347	1 414 € ± 316	1 774 € ± 347	2 014 € ± 299
Women	18-39	2 356 € ± 191	1 052 € ± 123	964 € ± 118	1 287 € ± 44
	40-49	2 374 € ± 193	1 062 € ± 125	971 € ± 120	1 297 € ± 47
	50-59	2 893 € ± 235	1 293 € ± 153	1 188 € ± 144	1 581 € ± 56
	60-64	3 181 € ± 258	1 425 € ± 172	1 302 € ± 165	1 740 € ± 68
	65-69	3 661 € ± 299	1 636 € ± 195	1 503 € ± 189	2 001 € ± 81
	70-74	4 089 € ± 342	1 831 € ± 225	1 678 € ± 214	2 237 € ± 103
	75-79	4 857 € ± 404	2 177 € ± 270	1 988 € ± 257	2 655 € ± 125
	80-84	5 464 € ± 461	2 441 € ± 305	2 243 € ± 295	2 986 € ± 150
	85-89	5 593 € ± 500	2 497 € ± 329	2 286 € ± 317	3 054 € ± 187
	90+	5 127 € ± 492	2 295 € ± 328	2 102 € ± 310	2 803 € ± 222

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 17 Health expenditure ratio associated with “Diabetes” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	1.8 ± 0.1	1.6 ± 0.1	1.8 € ± 0.1	1.9 ± 0.0
Women	2.6 ± 0.1	1.7 ± 0.1	1.7 € ± 0.1	1.9 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 17 Extra health expenditure* associated with “Diabetes” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	2 071 € ± 308	1 697 € ± 292	1 712 € ± 292	1 961 € ± 133
	40-49	2 803 € ± 432	2 300 € ± 398	2 317 € ± 406	2 656 € ± 189
	50-59	3 538 € ± 505	2 839 € ± 483	2 872 € ± 484	3 286 € ± 209
	60-64	3 739 € ± 584	3 017 € ± 500	3 085 € ± 532	3 503 € ± 242
	65-69	4 018 € ± 616	3 262 € ± 552	3 307 € ± 548	3 779 € ± 251
	70-74	4 187 € ± 651	3 461 € ± 572	3 500 € ± 589	4 000 € ± 282
	75-79	4 622 € ± 730	3 737 € ± 659	3 789 € ± 628	4 333 € ± 304
	80-84	4 768 € ± 775	3 880 € ± 648	3 892 € ± 664	4 468 € ± 338
	85-89	4 899 € ± 792	4 021 € ± 737	4 002 € ± 728	4 612 € ± 431
	90+	4 437 € ± 869	3 611 € ± 773	3 696 € ± 767	4 229 € ± 552
Women	18-39	3 988 € ± 449	2 172 € ± 354	1 886 € ± 320	2 454 € ± 138
	40-49	4 867 € ± 556	2 645 € ± 420	2 331 € ± 380	3 040 € ± 188
	50-59	5 360 € ± 609	2 932 € ± 480	2 547 € ± 423	3 332 € ± 174
	60-64	5 762 € ± 654	3 110 € ± 530	2 748 € ± 465	3 547 € ± 220
	65-69	6 129 € ± 697	3 314 € ± 532	2 857 € ± 490	3 778 € ± 223
	70-74	6 565 € ± 799	3 563 € ± 576	3 133 € ± 529	4 077 € ± 267
	75-79	7 037 € ± 793	3 802 € ± 616	3 295 € ± 569	4 351 € ± 270
	80-84	7 480 € ± 869	4 068 € ± 664	3 532 € ± 609	4 643 € ± 280
	85-89	7 796 € ± 875	4 205 € ± 724	3 687 € ± 634	4 842 € ± 321
	90+	7 298 € ± 842	3 955 € ± 680	3 469 € ± 603	4 522 € ± 341

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 17 Health expenditure ratio associated with “Diabetes” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	1.6 ± 0.1	1.5 ± 0.1	1.5 € ± 0.1	1.6 ± 0.0
Women	2.0 ± 0.1	1.6 ± 0.1	1.5 € ± 0.1	1.6 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 18 Extra health expenditure* associated with “CKD” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	4 452 € ± 882	5 559 € ± 1 027	2 658 € ± 512	6 382 € ± 576
	40-49	6 061 € ± 1 202	7 609 € ± 1 426	3 628 € ± 709	8 728 € ± 796
	50-59	8 671 € ± 1 730	10 870 € ± 2 060	5 216 € ± 1 010	12 514 € ± 1 117
	60-64	10 632 € ± 2 104	13 404 € ± 2 528	6 412 € ± 1 246	15 353 € ± 1 393
	65-69	12 075 € ± 2 435	15 121 € ± 2 858	7 190 € ± 1 393	17 322 € ± 1 584
	70-74	14 650 € ± 2 888	18 328 € ± 3 468	8 785 € ± 1 715	21 053 € ± 1 956
	75-79	16 679 € ± 3 294	20 974 € ± 3 982	10 030 € ± 1 967	23 990 € ± 2 236
	80-84	18 129 € ± 3 614	22 698 € ± 4 317	10 872 € ± 2 163	26 056 € ± 2 496
	85-89	19 346 € ± 3 906	24 161 € ± 4 715	11 563 € ± 2 339	27 704 € ± 2 816
	90+	12 134 € ± 2 528	15 217 € ± 3 080	7 266 € ± 1 555	17 435 € ± 2 018
Women	18-39	4 985 € ± 790	7 843 € ± 1 191	5 973 € ± 827	7 174 € ± 576
	40-49	5 018 € ± 793	7 924 € ± 1 206	6 022 € ± 846	7 229 € ± 586
	50-59	6 123 € ± 967	9 655 € ± 1 475	7 370 € ± 1 012	8 826 € ± 717
	60-64	6 733 € ± 1 051	10 657 € ± 1 641	8 093 € ± 1 137	9 729 € ± 784
	65-69	7 835 € ± 1 230	12 357 € ± 1 865	9 437 € ± 1 318	11 295 € ± 912
	70-74	8 807 € ± 1 393	13 921 € ± 2 138	10 602 € ± 1 482	12 717 € ± 1 059
	75-79	10 568 € ± 1 653	16 739 € ± 2 583	12 690 € ± 1 784	15 243 € ± 1 265
	80-84	11 730 € ± 1 848	18 478 € ± 2 840	14 119 € ± 1 992	16 907 € ± 1 400
	85-89	12 021 € ± 1 933	18 917 € ± 2 927	14 397 € ± 2 047	17 305 € ± 1 478
	90+	10 808 € ± 1 769	17 075 € ± 2 672	12 999 € ± 1 854	15 593 € ± 1 385

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 18 Health expenditure ratio associated with “CKD” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	6.7 ± 1.1	8.1 ± 1.3	4.4 € ± 0.7	9.2 ± 0.7
Women	4.4 ± 0.5	6.3 ± 0.8	5.1 € ± 0.6	5.9 ± 0.4

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 18 Extra health expenditure* associated with “CKD” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	8 341 € ± 663	5 064 € ± 528	7 249 € ± 730	11 456 € ± 601
	40-49	11 340 € ± 934	6 889 € ± 721	9 853 € ± 1 022	15 571 € ± 848
	50-59	13 624 € ± 1 060	8 176 € ± 861	11 721 € ± 1 169	18 505 € ± 1 021
	60-64	14 705 € ± 1 220	8 848 € ± 887	12 769 € ± 1 302	20 072 € ± 1 048
	65-69	15 991 € ± 1 317	9 657 € ± 998	13 863 € ± 1 373	21 875 € ± 1 158
	70-74	17 220 € ± 1 407	10 501 € ± 1 043	15 052 € ± 1 482	23 753 € ± 1 261
	75-79	18 289 € ± 1 537	11 017 € ± 1 165	15 817 € ± 1 522	24 961 € ± 1 313
	80-84	18 815 € ± 1 603	11 379 € ± 1 141	16 231 € ± 1 607	25 676 € ± 1 390
	85-89	18 854 € ± 1 593	11 459 € ± 1 227	16 270 € ± 1 656	25 802 € ± 1 462
	90+	17 356 € ± 1 692	10 489 € ± 1 237	15 139 € ± 1 635	23 916 € ± 1 620
Women	18-39	7 382 € ± 634	6 548 € ± 641	5 977 € ± 616	10 106 € ± 564
	40-49	8 824 € ± 769	7 828 € ± 739	7 209 € ± 716	12 236 € ± 729
	50-59	9 711 € ± 841	8 645 € ± 855	7 893 € ± 801	13 405 € ± 734
	60-64	10 166 € ± 870	8 966 € ± 903	8 271 € ± 839	13 923 € ± 785
	65-69	11 113 € ± 964	9 808 € ± 936	8 913 € ± 921	15 240 € ± 841
	70-74	12 021 € ± 1 098	10 641 € ± 1 014	9 787 € ± 988	16 598 € ± 945
	75-79	12 575 € ± 1 067	11 095 € ± 1 060	10 113 € ± 1 047	17 292 € ± 967
	80-84	13 474 € ± 1 178	11 949 € ± 1 151	10 905 € ± 1 125	18 579 € ± 1 057
	85-89	14 021 € ± 1 179	12 376 € ± 1 252	11 362 € ± 1 161	19 360 € ± 1 157
	90+	12 873 € ± 1 111	11 379 € ± 1 148	10 450 € ± 1 068	17 734 € ± 1 078

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 18 Health expenditure ratio associated with “CKD” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	3.6 ± 0.2	2.6 ± 0.2	3.3 € ± 0.2	4.6 ± 0.2
Women	2.9 ± 0.2	2.7 ± 0.2	2.5 € ± 0.2	3.6 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.19 COPD

Table 11. 19 Extra health expenditure* associated with “COPD” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	723 € ± 62	489 € ± 51	454 € ± 48	516 € ± 23
	40-49	989 € ± 86	670 € ± 72	622 € ± 68	708 € ± 34
	50-59	1 427 € ± 125	966 € ± 105	900 € ± 98	1 023 € ± 48
	60-64	1 741 € ± 156	1 182 € ± 133	1 099 € ± 124	1 248 € ± 70
	65-69	1 969 € ± 182	1 333 € ± 152	1 236 € ± 142	1 408 € ± 83
	70-74	2 410 € ± 229	1 630 € ± 195	1 518 € ± 186	1 724 € ± 119
	75-79	2 784 € ± 273	1 888 € ± 236	1 756 € ± 224	1 991 € ± 149
	80-84	2 984 € ± 317	2 018 € ± 271	1 879 € ± 261	2 133 € ± 192
	85-89	3 219 € ± 406	2 175 € ± 351	2 023 € ± 336	2 297 € ± 283
	90+	2 171 € ± 355	1 471 € ± 312	1 365 € ± 304	1 552 € ± 280
Women	18-39	974 € ± 75	914 € ± 72	655 € ± 62	850 € ± 31
	40-49	986 € ± 77	928 € ± 75	663 € ± 64	861 € ± 34
	50-59	1 203 € ± 94	1 131 € ± 92	811 € ± 77	1 050 € ± 42
	60-64	1 316 € ± 106	1 239 € ± 106	886 € ± 91	1 151 € ± 54
	65-69	1 534 € ± 126	1 442 € ± 122	1 034 € ± 107	1 340 € ± 65
	70-74	1 743 € ± 150	1 641 € ± 148	1 175 € ± 127	1 524 € ± 88
	75-79	2 082 € ± 181	1 961 € ± 179	1 400 € ± 156	1 818 € ± 108
	80-84	2 300 € ± 206	2 161 € ± 203	1 551 € ± 178	2 009 € ± 128
	85-89	2 391 € ± 239	2 245 € ± 232	1 606 € ± 206	2 087 € ± 164
	90+	2 196 € ± 252	2 067 € ± 246	1 480 € ± 216	1 919 € ± 194

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 19 Health expenditure ratio associated with “COPD” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	1.9 ± 0.1	1.6 ± 0.1	1.6 € ± 0.1	1.7 ± 0.0
Women	1.7 ± 0.1	1.6 ± 0.0	1.4 € ± 0.0	1.6 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 19 Extra health expenditure* associated with “COPD” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	4 532 € ± 478	4 036 € ± 483	2 562 € ± 389	2 188 € ± 239
	40-49	4 550 € ± 468	4 055 € ± 466	2 572 € ± 381	2 196 € ± 223
	50-59	4 966 € ± 467	4 361 € ± 476	2 775 € ± 387	2 366 € ± 210
	60-64	5 255 € ± 541	4 631 € ± 493	2 971 € ± 426	2 518 € ± 234
	65-69	5 616 € ± 566	4 969 € ± 542	3 166 € ± 433	2 698 € ± 242
	70-74	5 943 € ± 602	5 321 € ± 564	3 383 € ± 473	2 881 € ± 272
	75-79	6 470 € ± 677	5 710 € ± 653	3 638 € ± 502	3 099 € ± 292
	80-84	6 854 € ± 737	6 075 € ± 662	3 839 € ± 548	3 281 € ± 333
	85-89	6 790 € ± 743	6 052 € ± 733	3 805 € ± 598	3 266 € ± 397
	90+	6 151 € ± 845	5 453 € ± 789	3 500 € ± 656	2 991 € ± 510
Women	18-39	3 070 € ± 413	2 527 € ± 381	1 915 € ± 351	1 979 € ± 208
	40-49	3 189 € ± 429	2 627 € ± 385	2 018 € ± 346	2 099 € ± 220
	50-59	3 221 € ± 423	2 665 € ± 385	2 020 € ± 344	2 105 € ± 179
	60-64	3 420 € ± 451	2 791 € ± 426	2 151 € ± 383	2 208 € ± 220
	65-69	3 585 € ± 471	2 930 € ± 418	2 203 € ± 389	2 321 € ± 221
	70-74	3 717 € ± 528	3 051 € ± 445	2 340 € ± 411	2 431 € ± 250
	75-79	3 998 € ± 517	3 266 € ± 476	2 468 € ± 445	2 600 € ± 255
	80-84	4 253 € ± 566	3 501 € ± 509	2 650 € ± 472	2 775 € ± 267
	85-89	4 338 € ± 562	3 544 € ± 546	2 707 € ± 486	2 834 € ± 296
	90+	4 008 € ± 542	3 283 € ± 517	2 514 € ± 468	2 614 € ± 310

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 19 Health expenditure ratio associated with “COPD” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	1.8 ± 0.1	1.7 ± 0.1	1.5 € ± 0.1	1.4 ± 0.0
Women	1.6 ± 0.1	1.5 ± 0.1	1.3 € ± 0.1	1.4 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.20 Cirrhosis

Table 11. 20 Extra health expenditure* associated with “Cirrhosis” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	4 104 € ± 705	1 298 € ± 285	3 003 € ± 530	1 188 € ± 152
	40-49	5 593 € ± 961	1 778 € ± 396	4 101 € ± 734	1 627 € ± 210
	50-59	7 974 € ± 1 379	2 530 € ± 570	5 873 € ± 1 043	2 325 € ± 294
	60-64	9 764 € ± 1 678	3 117 € ± 700	7 208 € ± 1 284	2 846 € ± 367
	65-69	11 113 € ± 1 942	3 527 € ± 794	8 111 € ± 1 442	3 221 € ± 419
	70-74	13 456 € ± 2 308	4 262 € ± 962	9 883 € ± 1 772	3 905 € ± 519
	75-79	15 391 € ± 2 644	4 902 € ± 1 106	11 332 € ± 2 042	4 468 € ± 595
	80-84	16 638 € ± 2 893	5 273 € ± 1 203	12 221 € ± 2 240	4 827 € ± 667
	85-89	17 952 € ± 3 194	5 682 € ± 1 340	13 147 € ± 2 464	5 195 € ± 770
	90+	11 337 € ± 2 115	3 603 € ± 904	8 314 € ± 1 655	3 290 € ± 569
Women	18-39	7 195 € ± 1 114	2 781 € ± 519	3 320 € ± 612	2 661 € ± 281
	40-49	7 240 € ± 1 119	2 811 € ± 526	3 347 € ± 625	2 681 € ± 286
	50-59	8 818 € ± 1 361	3 418 € ± 642	4 094 € ± 748	3 269 € ± 349
	60-64	9 704 € ± 1 478	3 776 € ± 716	4 491 € ± 839	3 604 € ± 382
	65-69	11 271 € ± 1 728	4 368 € ± 812	5 234 € ± 973	4 176 € ± 444
	70-74	12 760 € ± 1 972	4 958 € ± 937	5 920 € ± 1 100	4 737 € ± 518
	75-79	15 252 € ± 2 333	5 941 € ± 1 127	7 053 € ± 1 318	5 654 € ± 618
	80-84	16 963 € ± 2 612	6 566 € ± 1 246	7 874 € ± 1 478	6 286 € ± 686
	85-89	17 430 € ± 2 741	6 740 € ± 1 287	8 039 € ± 1 519	6 451 € ± 729
	90+	15 782 € ± 2 524	6 128 € ± 1 187	7 313 € ± 1 380	5 852 € ± 691

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 20 Health expenditure ratio associated with “Cirrhosis” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	6.3 ± 0.9	2.7 ± 0.4	4.8 € ± 0.7	2.5 ± 0.2
Women	5.9 ± 0.8	2.9 ± 0.4	3.3 € ± 0.4	2.8 ± 0.2

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 20 Extra health expenditure* associated with “Cirrhosis” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	7 204 € ± 706	4 302 € ± 558	3 812 € ± 531	4 346 € ± 325
	40-49	9 158 € ± 925	5 473 € ± 709	4 843 € ± 691	5 522 € ± 425
	50-59	11 559 € ± 1 105	6 806 € ± 893	6 041 € ± 833	6 879 € ± 537
	60-64	13 006 € ± 1 336	7 681 € ± 966	6 878 € ± 964	7 786 € ± 587
	65-69	14 010 € ± 1 424	8 311 € ± 1 067	7 391 € ± 1 013	8 410 € ± 643
	70-74	15 613 € ± 1 580	9 376 € ± 1 169	8 319 € ± 1 137	9 466 € ± 726
	75-79	17 034 € ± 1 777	10 075 € ± 1 338	8 958 € ± 1 201	10 193 € ± 778
	80-84	18 231 € ± 1 934	10 836 € ± 1 362	9 554 € ± 1 317	10 907 € ± 866
	85-89	18 454 € ± 1 923	11 037 € ± 1 479	9 674 € ± 1 377	11 085 € ± 930
	90+	16 823 € ± 1 980	9 989 € ± 1 455	8 944 € ± 1 358	10 194 € ± 1 017
Women	18-39	9 578 € ± 1 086	6 163 € ± 881	4 176 € ± 683	3 778 € ± 358
	40-49	11 175 € ± 1 279	7 183 € ± 983	4 933 € ± 774	4 493 € ± 451
	50-59	12 633 € ± 1 447	8 166 € ± 1 181	5 533 € ± 890	5 043 € ± 468
	60-64	13 322 € ± 1 488	8 502 € ± 1 247	5 854 € ± 937	5 260 € ± 507
	65-69	14 621 € ± 1 669	9 340 € ± 1 295	6 284 € ± 1 032	5 790 € ± 541
	70-74	15 658 € ± 1 866	10 041 € ± 1 382	6 883 € ± 1 096	6 264 € ± 604
	75-79	17 332 € ± 1 946	11 066 € ± 1 538	7 479 € ± 1 232	6 894 € ± 661
	80-84	18 579 € ± 2 156	11 942 € ± 1 678	8 085 € ± 1 327	7 408 € ± 723
	85-89	19 455 € ± 2 166	12 423 € ± 1 837	8 485 € ± 1 379	7 772 € ± 794
	90+	18 126 € ± 2 043	11 606 € ± 1 692	7 937 € ± 1 280	7 231 € ± 750

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 20 Health expenditure ratio associated with “Cirrhosis” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	3.1 ± 0.2	2.3 ± 0.2	2.1 € ± 0.2	2.3 ± 0.1
Women	3.4 ± 0.3	2.5 ± 0.2	2.0 € ± 0.2	1.9 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.21 Major depression

Table 11. 21 Extra health expenditure* associated with “Major depression” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	1 649 € ± 245	576 € ± 152	542 € ± 168	661 € ± 58
	40-49	2 251 € ± 335	790 € ± 211	741 € ± 233	906 € ± 81
	50-59	3 210 € ± 481	1 122 € ± 303	1 063 € ± 331	1 294 € ± 113
	60-64	3 920 € ± 586	1 380 € ± 372	1 302 € ± 407	1 580 € ± 146
	65-69	4 478 € ± 681	1 569 € ± 425	1 465 € ± 460	1 797 € ± 169
	70-74	5 413 € ± 813	1 890 € ± 516	1 788 € ± 566	2 174 € ± 219
	75-79	6 157 € ± 930	2 164 € ± 595	2 040 € ± 651	2 474 € ± 257
	80-84	6 701 € ± 1 035	2 341 € ± 652	2 212 € ± 720	2 690 € ± 308
	85-89	7 218 € ± 1 165	2 521 € ± 738	2 380 € ± 800	2 891 € ± 397
	90+	4 561 € ± 813	1 600 € ± 516	1 504 € ± 552	1 832 € ± 340
Women	18-39	1 959 € ± 213	854 € ± 159	531 € ± 151	917 € ± 54
	40-49	1 973 € ± 215	863 € ± 161	535 € ± 155	924 € ± 56
	50-59	2 406 € ± 262	1 052 € ± 197	658 € ± 186	1 128 € ± 68
	60-64	2 616 € ± 285	1 146 € ± 219	710 € ± 208	1 228 € ± 80
	65-69	3 067 € ± 336	1 339 € ± 252	837 € ± 243	1 437 € ± 96
	70-74	3 465 € ± 386	1 517 € ± 291	945 € ± 276	1 627 € ± 121
	75-79	4 142 € ± 459	1 817 € ± 352	1 123 € ± 333	1 942 € ± 149
	80-84	4 623 € ± 519	2 017 € ± 393	1 263 € ± 376	2 167 € ± 173
	85-89	4 743 € ± 557	2 068 € ± 415	1 284 € ± 395	2 221 € ± 205
	90+	4 297 € ± 533	1 880 € ± 397	1 170 € ± 370	2 015 € ± 227

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 21 Health expenditure ratio associated with “Major depression” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	3.1 ± 0.3	1.7 ± 0.2	1.7 € ± 0.2	1.8 ± 0.1
Women	2.3 ± 0.1	1.6 ± 0.1	1.4 € ± 0.1	1.6 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 21 Extra health expenditure* associated with “Major depression” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	1 246 € ± 555	1 463 € ± 634	791 € ± 558	795 € ± 197
	40-49	1 633 € ± 749	1 923 € ± 840	1 033 € ± 752	1 043 € ± 269
	50-59	2 118 € ± 891	2 339 € ± 1 035	1 271 € ± 892	1 274 € ± 324
	60-64	2 287 € ± 1 045	2 562 € ± 1 091	1 452 € ± 1 009	1 410 € ± 354
	65-69	2 412 € ± 1 093	2 752 € ± 1 196	1 509 € ± 1 046	1 505 € ± 378
	70-74	2 526 € ± 1 177	3 042 € ± 1 265	1 653 € ± 1 140	1 650 € ± 418
	75-79	2 885 € ± 1 335	3 257 € ± 1 454	1 774 € ± 1 204	1 780 € ± 453
	80-84	3 056 € ± 1 432	3 500 € ± 1 453	1 848 € ± 1 302	1 883 € ± 502
	85-89	3 053 € ± 1 390	3 580 € ± 1 547	1 850 € ± 1 330	1 913 € ± 548
	90+	2 717 € ± 1 376	3 127 € ± 1 443	1 755 € ± 1 259	1 759 € ± 607
Women	18-39	2 062 € ± 545	1 828 € ± 526	1 167 € ± 484	1 189 € ± 162
	40-49	2 520 € ± 681	2 236 € ± 625	1 467 € ± 582	1 506 € ± 222
	50-59	2 743 € ± 741	2 459 € ± 715	1 567 € ± 642	1 621 € ± 208
	60-64	3 024 € ± 794	2 637 € ± 789	1 745 € ± 707	1 747 € ± 251
	65-69	3 200 € ± 853	2 794 € ± 785	1 745 € ± 740	1 854 € ± 256
	70-74	3 381 € ± 952	2 977 € ± 832	1 951 € ± 783	1 992 € ± 292
	75-79	3 684 € ± 962	3 213 € ± 906	2 030 € ± 859	2 150 € ± 311
	80-84	3 908 € ± 1 064	3 463 € ± 985	2 198 € ± 928	2 301 € ± 334
	85-89	4 054 € ± 1 064	3 544 € ± 1 070	2 292 € ± 954	2 391 € ± 370
	90+	3 800 € ± 1 002	3 334 € ± 982	2 173 € ± 888	2 229 € ± 371

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 21 Health expenditure ratio associated with “Major depression” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	1.3 ± 0.2	1.4 ± 0.2	1.2 € ± 0.2	1.2 ± 0.1
Women	1.5 ± 0.1	1.4 ± 0.1	1.3 € ± 0.1	1.3 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.22 Neurologic disorders

Table 11. 22 Extra health expenditure* associated with “Neurologic disorder” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	1 407 € ± 324	1 815 € ± 356	560 € ± 201	1 372 € ± 198
	40-49	1 911 € ± 441	2 480 € ± 494	763 € ± 279	1 874 € ± 273
	50-59	2 730 € ± 634	3 538 € ± 713	1 098 € ± 397	2 686 € ± 383
	60-64	3 347 € ± 772	4 365 € ± 876	1 351 € ± 489	3 292 € ± 477
	65-69	3 826 € ± 897	4 952 € ± 996	1 515 € ± 550	3 735 € ± 543
	70-74	4 626 € ± 1 062	5 980 € ± 1 205	1 853 € ± 675	4 524 € ± 670
	75-79	5 217 € ± 1 199	6 784 € ± 1 372	2 099 € ± 771	5 106 € ± 754
	80-84	5 680 € ± 1 318	7 351 € ± 1 490	2 274 € ± 839	5 556 € ± 840
	85-89	6 072 € ± 1 431	7 832 € ± 1 625	2 425 € ± 918	5 915 € ± 923
	90+	3 906 € ± 961	5 062 € ± 1 100	1 561 € ± 626	3 819 € ± 658
Women	18-39	1 864 € ± 257	1 613 € ± 219	998 € ± 200	863 € ± 101
	40-49	1 876 € ± 259	1 629 € ± 222	1 005 € ± 204	869 € ± 104
	50-59	2 289 € ± 316	1 984 € ± 271	1 233 € ± 244	1 062 € ± 127
	60-64	2 510 € ± 344	2 183 € ± 303	1 346 € ± 276	1 166 € ± 141
	65-69	2 926 € ± 404	2 537 € ± 347	1 575 € ± 320	1 356 € ± 165
	70-74	3 311 € ± 462	2 877 € ± 401	1 781 € ± 363	1 538 € ± 196
	75-79	3 977 € ± 547	3 462 € ± 484	2 132 € ± 438	1 844 € ± 233
	80-84	4 349 € ± 601	3 767 € ± 524	2 342 € ± 480	2 016 € ± 255
	85-89	4 444 € ± 631	3 846 € ± 540	2 376 € ± 492	2 058 € ± 269
	90+	4 056 € ± 589	3 522 € ± 511	2 179 € ± 458	1 881 € ± 262

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 22 Health expenditure ratio associated with “Neurologic disorder” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	2.8 ± 0.4	3.3 ± 0.5	1.7 € ± 0.3	2.8 ± 0.3
Women	2.3 ± 0.2	2.1 ± 0.1	1.7 € ± 0.1	1.6 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 22 Extra health expenditure* associated with “Neurologic disorder” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	3 607 € ± 487	1 769 € ± 415	1 051 € ± 383	2 049 € ± 306
	40-49	4 775 € ± 666	2 344 € ± 552	1 388 € ± 520	2 707 € ± 422
	50-59	5 958 € ± 782	2 864 € ± 676	1 708 € ± 620	3 319 € ± 526
	60-64	6 561 € ± 926	3 164 € ± 718	1 926 € ± 705	3 685 € ± 558
	65-69	6 997 € ± 972	3 398 € ± 789	2 035 € ± 729	3 946 € ± 603
	70-74	7 585 € ± 1 053	3 746 € ± 837	2 231 € ± 794	4 333 € ± 655
	75-79	8 289 € ± 1 176	4 004 € ± 952	2 391 € ± 836	4 646 € ± 695
	80-84	8 675 € ± 1 247	4 228 € ± 943	2 482 € ± 892	4 863 € ± 752
	85-89	8 501 € ± 1 190	4 186 € ± 992	2 430 € ± 904	4 797 € ± 761
	90+	7 617 € ± 1 220	3 695 € ± 956	2 242 € ± 888	4 356 € ± 801
Women	18-39	3 105 € ± 389	1 096 € ± 308	1 622 € ± 362	956 € ± 193
	40-49	3 701 € ± 471	1 294 € ± 359	1 962 € ± 420	1 175 € ± 252
	50-59	4 140 € ± 526	1 465 € ± 415	2 172 € ± 476	1 298 € ± 256
	60-64	4 503 € ± 568	1 564 € ± 460	2 378 € ± 525	1 390 € ± 294
	65-69	4 835 € ± 613	1 687 € ± 464	2 479 € ± 560	1 505 € ± 306
	70-74	5 128 € ± 691	1 798 € ± 500	2 709 € ± 590	1 625 € ± 341
	75-79	5 561 € ± 688	1 937 € ± 540	2 866 € ± 648	1 745 € ± 361
	80-84	5 997 € ± 767	2 103 € ± 586	3 121 € ± 702	1 879 € ± 388
	85-89	6 177 € ± 761	2 135 € ± 628	3 222 € ± 720	1 941 € ± 421
	90+	5 654 € ± 716	1 979 € ± 583	2 972 € ± 667	1 783 € ± 398

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 22 Health expenditure ratio associated with “Neurologic disorder” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	2.0 ± 0.1	1.5 ± 0.1	1.3 € ± 0.1	1.6 ± 0.1
Women	1.8 ± 0.1	1.3 ± 0.1	1.4 € ± 0.1	1.2 ± 0.0

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.6.23 Alcohol use disorders

Table 11. 23 Extra health expenditure* associated with “Alcohol use disorder” among patients without any comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	3 109 € ± 306	1 268 € ± 155	577 € ± 106	1 103 € ± 86
	40-49	4 254 € ± 419	1 740 € ± 216	791 € ± 147	1 513 € ± 120
	50-59	6 076 € ± 603	2 482 € ± 311	1 134 € ± 209	2 164 € ± 168
	60-64	7 413 € ± 736	3 039 € ± 383	1 385 € ± 259	2 640 € ± 214
	65-69	8 440 € ± 857	3 449 € ± 437	1 563 € ± 293	2 996 € ± 246
	70-74	10 236 € ± 1 030	4 178 € ± 536	1 906 € ± 365	3 636 € ± 315
	75-79	11 601 € ± 1 177	4 750 € ± 620	2 165 € ± 422	4 121 € ± 365
	80-84	12 636 € ± 1 324	5 159 € ± 690	2 352 € ± 476	4 487 € ± 428
	85-89	13 607 € ± 1 523	5 550 € ± 804	2 531 € ± 554	4 825 € ± 536
	90+	8 595 € ± 1 101	3 515 € ± 594	1 599 € ± 415	3 053 € ± 441
Women	18-39	3 202 € ± 535	1 296 € ± 308	889 € ± 270	1 260 € ± 172
	40-49	3 222 € ± 537	1 311 € ± 311	896 € ± 276	1 269 € ± 175
	50-59	3 923 € ± 654	1 593 € ± 380	1 099 € ± 330	1 548 € ± 214
	60-64	4 301 € ± 710	1 754 € ± 423	1 197 € ± 370	1 700 € ± 234
	65-69	5 011 € ± 832	2 034 € ± 482	1 403 € ± 430	1 975 € ± 273
	70-74	5 668 € ± 949	2 309 € ± 556	1 585 € ± 485	2 240 € ± 320
	75-79	6 782 € ± 1 123	2 771 € ± 670	1 886 € ± 583	2 676 € ± 382
	80-84	7 556 € ± 1 259	3 064 € ± 742	2 117 € ± 656	2 981 € ± 427
	85-89	7 770 € ± 1 327	3 147 € ± 770	2 155 € ± 678	3 061 € ± 455
	90+	7 032 € ± 1 226	2 862 € ± 714	1 963 € ± 620	2 776 € ± 438

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 23 Health expenditure ratio associated with “Alcohol use disorder” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	5.0 ± 0.4	2.6 ± 0.2	1.7 € ± 0.1	2.4 ± 0.1
Women	3.2 ± 0.4	1.9 ± 0.2	1.6 € ± 0.2	1.9 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 23 Extra health expenditure* associated with “Alcohol use disorder” among patients with at least one comorbidity

Sex	Age	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	18-39	4 993 € ± 509	2 536 € ± 378	2 845 € ± 382	2 249 € ± 209
	40-49	6 103 € ± 637	3 102 € ± 459	3 477 € ± 477	2 748 € ± 259
	50-59	7 655 € ± 754	3 831 € ± 569	4 308 € ± 572	3 400 € ± 315
	60-64	8 476 € ± 898	4 255 € ± 609	4 827 € ± 651	3 789 € ± 353
	65-69	9 237 € ± 967	4 659 € ± 683	5 249 € ± 694	4 141 € ± 387
	70-74	10 177 € ± 1 066	5 198 € ± 742	5 843 € ± 769	4 606 € ± 439
	75-79	11 190 € ± 1 210	5 625 € ± 853	6 339 € ± 825	4 997 € ± 474
	80-84	11 882 € ± 1 305	6 007 € ± 867	6 708 € ± 899	5 306 € ± 533
	85-89	11 998 € ± 1 308	6 109 € ± 954	6 777 € ± 954	5 383 € ± 592
	90+	10 988 € ± 1 389	5 545 € ± 977	6 296 € ± 986	4 980 € ± 688
Women	18-39	3 644 € ± 733	2 479 € ± 613	3 668 € ± 735	2 234 € ± 295
	40-49	4 300 € ± 878	2 921 € ± 702	4 414 € ± 849	2 716 € ± 380
	50-59	4 797 € ± 983	3 290 € ± 824	4 874 € ± 964	2 999 € ± 387
	60-64	5 240 € ± 1 047	3 515 € ± 899	5 323 € ± 1 046	3 216 € ± 433
	65-69	5 640 € ± 1 144	3 789 € ± 915	5 569 € ± 1 126	3 474 € ± 452
	70-74	6 031 € ± 1 283	4 078 € ± 977	6 133 € ± 1 195	3 772 € ± 509
	75-79	6 612 € ± 1 314	4 438 € ± 1 075	6 564 € ± 1 327	4 099 € ± 552
	80-84	7 060 € ± 1 462	4 795 € ± 1 173	7 108 € ± 1 433	4 402 € ± 602
	85-89	7 350 € ± 1 462	4 935 € ± 1 279	7 422 € ± 1 481	4 596 € ± 657
	90+	6 846 € ± 1 366	4 618 € ± 1 170	6 921 € ± 1 364	4 263 € ± 619

*Difference between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

Table 11. 23 Health expenditure ratio associated with “Alcohol use disorder” among patients without any comorbidity**

Sex	Diagnosis [01/07 /2013-30/06/2014]	Diagnosis [01/07 /2012-30/06/2013]	Diagnosis [01/07 /2011-30/06/2012]	Diagnosis <01/07/ 2011
Men	2.4 ± 0.1	1.7 ± 0.1	1.8 € ± 0.1	1.6 ± 0.1
Women	1.9 ± 0.2	1.6 ± 0.2	1.9 € ± 0.2	1.5 ± 0.1

**Ratio between patient with the considered disease (disease variable set to 1,2,3 or 4) and a patient without the considered disease (disease variable set to 0).

3.7 Extra-health expenditure associated with each disease in the presence of a specific comorbidity – two-step regression estimates

All health expenditures values reported in this section are estimated using two-step regression models. Compared to results provided in section 3.6, these were estimated using the “second approach” in which no stratification is applied (except for gender). The two-stage model is performed on the whole sample. In the gamma-regression part of the two-stage model, ten disease group variables are added (cancer, cirrhosis, heart disease, diabetes, COPD, stroke, major depression, CKD, neurologic disorders, alcohol abuse disorders). All two-way interactions between these variables are entered in the model. This allows to estimate the cost of specific comorbidities (cost of cancer with diabetes as comorbidity for example) which is not possible with the first approach (see table 11).

Compared to the 1st approach (see section 3.6):

- estimations are made at the “disease group level” (n=10)
- comorbidities are also considered at the disease group level (in the first approach, comorbidity is controlled at the disease level)
- estimates are only provided for diseases/comorbidity with an estimated date of diagnosis <01.07.2014

The full statistical method is reported in section 2.3.

Complete model outputs (according to age and sex) are provided in appendix A (file “Appendix A.xls”).

In this section, only average extra health expenditures are provided. Averages are calculated over all 20 age and sex strata. Weighting scheme for average calculations is provided in Appendix A.

Table 12 Average extra health expenditure associated with each disease* according to the type of comorbidity* - two-step regression estimates

		In the presence of										
		No other disease	Stroke	Heart disease	Cancer	Diabetes	CKD	COPD	Cirrhosis	Depression	Neurologic disorders	Alcohol use disorder
Extra cost associated with...	Stroke	3 691 € ± 1 053		4 498 € ± 1 489	3 043 € ± 2 027	6 046 € ± 1 853	8 195 € ± 3 959	4 198 € ± 1 356	13 607 € ± 5 630	4 504 € ± 2 674	3 237 € ± 1 730	5 931 € ± 2 878
	Heart disease	1 950 € ± 554	2 757 € ± 1 147		2 287 € ± 979	2 853 € ± 841	5 564 € ± 2 144	3 043 € ± 936	3 675 € ± 1 654	2 392 € ± 932	2 302 € ± 1 151	3 007 € ± 1 158
	Cancer	5 503 € ± 1 734	4 856 € ± 2 753	2 287 € ± 979		6 744 € ± 2 430	15 143 € ± 5 611	7 436 € ± 2 981	14 423 € ± 5 975	6 890 € ± 2 736	7 173 € ± 2 878	9 054 € ± 4 420
	Diabetes	1 878 € ± 562	4 234 € ± 1 406	2 781 € ± 886	3 119 € ± 1 178		8 934 € ± 2 879	2 600 € ± 756	3 072 € ± 1 280	2 237 € ± 846	3 784 € ± 1 453	3 713 € ± 1 294
	CKD	8 926 € ± 2 673	13 431 € ± 4 611	12 541 € ± 4 031	18 566 € ± 6 385	15 982 € ± 4 915		12 292 € ± 3 727	20 601 € ± 6 701	10 292 € ± 3 745	8 049 € ± 4 284	16 369 € ± 5 527
	COPD	1 370 € ± 388	1 877 € ± 896	2 462 € ± 804	3 302 € ± 1 715	2 091 € ± 634	4 735 € ± 1 805		2 510 € ± 1 116	1 432 € ± 843	2 435 € ± 915	2 330 € ± 816
	Cirrhosis	4 496 € ± 1 283	14 413 € ± 5 794	6 221 € ± 2 119	13 416 € ± 5 275	5 690 € ± 1 778	16 171 € ± 5 813	1 700 € ± 789		5 929 € ± 2 396	6 721 € ± 2 739	4 844 € ± 1 581
	Depression	1 637 € ± 490	2 451 € ± 2 364	2 079 € ± 907	3 024 € ± 1 856	1 996 € ± 690	3 003 € ± 2 826	1 700 € ± 789	3 070 € ± 2 067		2 639 € ± 2 841	2 042 € ± 1 093
	Neurologic disorders	2 277 € ± 706	1 824 € ± 1 774	2 629 € ± 1 347	3 947 € ± 2 078	4 183 € ± 1 798	1 399 € ± 3 150	3 343 € ± 1 165	4 502 € ± 2 271	3 279 € ± 2 988		2 540 € ± 1 153
	Alcohol use disorders	2 509 € ± 880	4 750 € ± 3 082	3 567 € ± 1 345	6 060 € ± 3 784	4 344 € ± 1 432	9 952 € ± 4 195	3 470 € ± 1 223	2 857 € ± 1 475	2 914 € ± 1 474	2 772 € ± 1 198	

Reading example:

- Average extra health expenditure associated with diabetes if no comorbidity: 1 878€
- Average extra health expenditure associated with diabetes among patients with COPD: 2 600€
- Average extra health expenditure associated with diabetes among patients with heart disease: 2781€

Supplementary materials (with stratification according to sex) is provided in Appendix A.

*: for all diseases and comorbidities, estimated date of diagnosis is <01.07.2014

3.8 Sensitivity analysis

Sensitivity analysis are reported in the Appendix B file. Unlike the main COI analysis, results are reported for only 2 age groups (18-65, >65). This allows to get more reliable estimates for NCDs with a low frequency.

4 References

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