# 2019 Annual Report National Health System 

## Executive summary



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## 2019 ANNUAL REPORT

## POPULATION FIGURES

$46,937,060$ people


## POPULATION COVERED BY THE NHS


$46,281,909$ individuals are included in the database of people whose healthcare is covered with public funds; 45,207,196 of them are covered by the NHS.

This includes all people whose healthcare is provided by the NHS and those under MUFACE (civil service insurance scheme) receiving private healthcare. Those under ISFAS (armed forces insurance scheme) and MUGEJU (justice administration insurance scheme) are being incorporated into the database.
*The chart shows the incorporation of data on the population
covered by the NHS into the database.


## MORBIDITY

## CARDIOVASCULAR DISEASE AND RISK FACTORS

## Ischaemic heart disease

3 out of every 100 MEN and 1 out of every 100 WOMEN suffer from ischaemic heart disease


## Cerebrovascular disease

The age-adjusted prevalence of cerebrovascular disease is $\mathbf{9 . 1}$ cases per $\mathbf{1 , 0 0 0}$ people, 10.8 for MEN and 7.7 for WOMEN
_ Men Women ...... Total

## Diabetes mellitus



## High blood pressure

$17 \%$ of people suffer from high blood pressure, a condition affecting more than half of those aged 70 or older


7 out of every 100 people suffer from diabetes, and $\mathbf{2 3}$ out of every $\mathbf{1 0 0}$ people aged $\mathbf{6 5}$ or older.

## Lipid metabolism disorders

$18 \%$ of people suffer from a lipid metabolism disorder, and these disorders affect half of those aged 65 or older


## MENTAL DISORDERS



3 out of every 10 people have some type of mental disorder.

4 out of every 10 people above the age of 65 have some type of mental disorder.



## MALIGNANT TUMOURS

2.0\% of men have malignant neoplasms.

The most frequently occurring
neoplasms in MEN are

| Skin |
| :--- |
| Digestive |
| Genital |
| Urinary |
| Respiratory |

Hospitalizations due to malignant tumours have increased

1.9\% of women have malignant neoplasms

The most frequently occurring neoplasms in

WOMEN are | Breast |  |
| :--- | :--- |
|  | Skin |
|  | Digestive |
|  | Genital |
|  | Haematological |

Hospitalizations due to malignant tumours have decreased:



## MORTALITY

## GENERAL MORTALITY

There have been 427,721 DEATHS:
216,442 in MEN and 211,279 in WOMEN.

The GROSS MORTALITY RATE is
15.3 DEATHS per 100,000 inhabitants:
944.7 in MEN and 887.1 in WOMEN.

AGE-ADJUSTED MORTALITY RATE per 100,000 inhabitants

$\qquad$ Total


Mortality has decreased by 29\% since 2000.
$\begin{array}{llllll}475,31 & 540,00 & 555,00 & 583,00 & 612,00 & 638,40\end{array}$


CARDIOVASCULAR DISEASES and CANCER cause more than $50 \%$ of deaths.

## MORTALITY DUE TO MALIGNANT TUMOURS

There have been 108,526 DEATHS: 66,000 in MEN and 42,526 in WOMEN, with a GROSS MORTALITY RATE of $\mathbf{2 3 2 . 3}$ DEATHS per 100,000 inhabitants:

$$
288.1 \text { in MEN and } 178.6 \text { in WOMEN. }
$$




## MORTALITY DUE TO CARDIOVASCULAR DISEASE

## ISCHAEMIC HEART DISEASE

There have been 31,152 DEATHS:
18,423 in MEN and 12,729 in WOMEN, with a GROSS MORTALITY RATE of
66.7 DEATHS per 100,000 inhabitants:
80.4 for MEN and 53.4 for WOMEN.
$3^{\text {rd }}$ lowest in
the EU-28



## CEREBROVASCULAR DISEASE

There have been 26,420 DEATHS: 11,435 in MEN and 14,985 in WOMEN, with a GROSS MORTALITY RATE of
56.5 DEATHS per 100,000 inhabitants:
49.9 for MEN and 62.9 for WOMEN.



## MORTALITY DUE TO SUICIDE

There have been 3,539 DEATHS: 2,619 in MEN and 920 in WOMEN, with a GROSS MORTALITY RATE of
7.6 per 100,000 inhabitants. $\quad 4^{\text {th }}$ lowest in the E AGE-ADJUSTED RATE AGE-ADJUSTED RATE
per 100,000 inhabitants: per 100,000 inhabitant $\because \quad \xi^{\circ}$



In the past decade, the highest rate occurred in MEN AGED 75 AND OLDER, much higher than that for women of the same age, or that for men under the age of 75 .


## SOCIO-ECONOMIC DETERMINANTS

## DEPENDENCY INDEX



## PEOPLE AGED 25 TO 64 WITH BASIC OR LOWER-LEVEL EDUCATION

In the past 18 years, the percentage of people with basic or lower-level education has decreased in all Autonomous Communities and Autonomous Cities.


## PEOPLE FROM A LOW SOCIAL CLASS

The percentage of people from a low social class is 46.9\%

This is higher for WOMEN (48.2\%) than for MEN (45.7\%)


AT-RISK-OF-POVERTY RATE (AROPE)

The at-risk-of-poverty or social exclusion rate for 2018
was 26.1\%



## TOBACCO CONSUMPTION

$\mathbf{2 2 . 1} \%$ of the population aged 15 or older smokes every day.


## ALCOHOL CONSUMPTION



## OBESITY

2 out of every $\mathbf{1 0}$ adults are obese.


5 out of every 10 adults are overweight.


## PHYSICAL ACTIVITY

## Sedentary leisure time

37.8\% of the population aged 15 and older claims to be sedentary.


## Level of physical activity

Population aged 15 to 69
35.3\%
do not reach the healthy level of physical activity recommended by the WHO.

1 out of every 10 children is obese.


3 out of every 10 children are overweight.


## HEALTHCARE

## HEALTHCARE ACTIVITY

Primary care consultations

DOCTORS in NHS PRIMARY HEALTHCARE have 233.8 million consultations per year: 98.6\% of them at HEALTHCARE CENTRES and only $1.4 \%$ of them at PATIENTS' HOMES.


NURSES in NHS PRIMARY HEALTHCARE have 130.3 million consultations per year: 92.5\% of them at HEALTHCARE CENTRES and 7.5\% at PATIENTS' HOMES.


## Specialized care consultations

In SPECIALIZED CARE, there are $\mathbf{5 . 4}$ million ADMISSIONS per year:
5.3 M in ACUTE CARE HOSPITALS, $76.9 \%$ in the NHS.
0.1 M in LONG-TERM CARE HOSPITALS, $83.6 \%$ in the NHS.

And $\mathbf{1 0 3 . 6}$ million CONSULTATIONS, 80.0\% in the NHS.


Outpatient surgery in the National Health System
$\longrightarrow$ NHS Public
.......... Private


Major outpatient surgery in NHS hospitals was 46.3\%, and in private hospitals, 40.4\%

## Stays at acute care hospitals

Average stay (days) at hospitals depending on type of care and sector (NHS or private)

Turnover rate in hospitals depending on sector (NHS or private)

The turnover rate in NHS hospitals is 37.2 , whereas in private hospitals it is 46.4.



Overall percentage of readmissions in acute care hospitals of the National Health System


The overall percentage of readmissions in NHS acute care hospitals during the 30 days after discharge is $8.2 \%$, with a slightly upward trend.

## PREVENTION

## Vaccination against influenza

Vaccination coverage of people aged 65 and older was
54.3\% in the 2018/2019 campaign.


This reflects a downward trend since the 2006/07 campaign, deviating from the objective set in Spain of reaching at least $65 \%$.
\%


## Cancer screening



8 out of every 10 women have undergone breast cancer detection tests within the recommended periods.


2 out of every 10 people have undergone early colorectal cancer detection tests within the recommended period.


## CARE FOR CARDIOVASCULAR DISEASE AND RISK FACTORS

## Care for cardiovascular disease

## PRIMARY CARE

22.6 million consultations per year for people with ischaemic heart disease, with an annual rate of 24.3 consultations.

17.4 million consultations per year for people with cerebrovascular disease, with an annual rate of $\mathbf{2 5 . 8}$ consultations.


## SPECIALIZED CARE

3,588,691 cardiology consultations per year, approximately $\mathbf{7 5 \%}$ in public centres.

## Care for diabetes mellitus

## PRIMARY CARE has $\mathbf{7 0 . 2}$ million

 consultations per year for people with diabetes, $49.5 \%$ of them with MEN and $55.5 \%$, with WOMEN, with an annual rate of $\mathbf{2 2 . 9}$ consultations per person with diabetes.

3 out of every 4 diabetic persons have values of glycated haemoglobin < 7.5\%.



Care for lipid metabolism disorders

Percentage of patients with high blood pressure who have it under proper control:


## CARE FOR MENTAL DISORDERS

## Consultations

## PRIMARY CARE

PRIMARY CARE in the NHS has $\mathbf{1 7 4 . 9}$ million consultations per year for mental disorders, $38.6 \%$ of them with MEN and $61.4 \%$ with WOMEN, with an annual rate of 14.2 consultations per person with mental disorders.

## SPECIALIZED CARE

SPECIALIZED PSYCHIATRIC CARE has 5,457,855 consultations per year, $95 \%$ of them in public centres.

CONSUMPTION OF ANTIDEPRESSANTS


## TREATMENT FOR MALIGNANT TUMOURS

## Primary care consultations and hospitalization

## PRIMARY CARE

PRIMARY CARE has 31.7 million consultations per year for people diagnosed with a malignant tumour, $50 \%$ of them with MEN and $50 \%$ with WOMEN.

## SPECIALIZED CARE

Hospitalizations per year for malignant tumours have been 71.3 per 10,000 inhabitants.

6 out of every 10 breast cancer surgeries are carried out with a conservative approach.

The percentage of breast-conserving surgery for breast cancer is $63.7 \%$.


Breast-conserving surgery for breast cancer has increased by 39.7\%.


## APPROPRIATE DRUG CONSUMPTION AMONG OLDER PERSONS


16.2\% of people aged 65 and

## SAFETY



Polymedication
older are polymedicated.*
*Polymedication is understood as the consumption of 6 or more pharmaceutical drugs for at least 6 months

Long half-life benzodiazepines



## HEALTHCARE-ASSOCIATED INFECTIONS

## Consumption of antibiotics

Systemic antibiotic consumption has been 18.3 defined daily doses (DDD) per 1,000 inhabitants.

## Prevalence of patients with healthcare-associated infections

7.2\% of patients in acute care hospitals had at least one healthcare-associated infection.

Spain: 18.3 DDD per 1,000 inhabitants


## IN-HOSPITAL MORTALITY



In-hospital mortality due to haemorrhagic cerebrovascular accident


## PATIENTS' EXPERIENCE

## 亿家 <br> ASSESSMENT OF THE PUBLIC HEALTHCARE SYSTEM

## Satisfaction with the public healthcare system

Satisfaction with the public healthcare system


## Assessment of healthcare levels


$\triangle$ Specialized outpatient care
$\longrightarrow$ Admission and care in hospitals

The population's general opinion of the functioning of the different levels and services of the NHS is positive.


## COORDINATION BETWEEN HEALTHCARE LEVELS

The perception of good coordination between healthcare levels is lower than 50\%.


## PARTICIPATION IN DECISION-MAKING REGARDING THEIR HEALTHCARE

78.3\% state that they participate in decision-making regarding their health condition and treatment in primary care, and $73.9 \%$ in specialized care.


## STATED LACK OF ACCESS TO PRESCRIPTION DRUGS FOR ECONOMIC REASONS


3.0\% state that they have problems accessing prescription drugs for economic reasons.
1.4 percentage points

## STATED LACK OF ACCESS TO DENTAL CARE FOR ECONOMIC REASONS


$12.4 \%$ state that they have problems accessing dental care for economic reasons.


## ACCESSIBILITY

## WAITING TIMES IN PRIMARY CARE

16.2\% of the people surveyed were attended to on the same day that they asked for the appointment, 31.3\% the following day and $46.1 \%$ had to wait more than one day.


## WAITING TIMES IN SPECIALIZED CARE

## CONSULTATIONS

The average waiting time for consultations at June 2019

$$
\text { was } 81 \text { days }
$$



SPECIALTIES WITH THE LONGEST WAITING TIMES

TRAUMATOLOGY: 96 days; 9.5 patients/1,000 inhab. OPHTHALMOLOGY: 83 days; 8.3 patients/1,000 inhab.

The average waiting time for non-
urgent surgery at June 2019 was

## 115 days



The percentage of patients who have been WAITING MORE THAN 6 MONTHS is $\mathbf{1 5 . 8 \%}$

Longest WAITING TIMES:
PLASTIC SURGERY (351 days)
NEUROSURGERY (153 days)
THORACIC SURGERY (139 days)

Highest no. of PATIENTS on waiting lists:
TRAUMATOLOGY
(126 days; 3.8 patients/1,000 hab.)

## PHARMACEUTICAL BENEFITS




Main presentations covered by public
funding (number)

## CONSUMPTION THROUGH NHS MEDICAL PRESCRIPTIONS AT PHARMACIES

Pharmaceutical expenditure through the invoicing of NHS drug prescriptions


201020112012201320142015201620172018
In 2018, the pharmaceutical expenditure charged to public funds totalled 10.93 billion euros, up 2.9\% compared with 2017.

NHS prescriptions per inhabitant and year


In 2018, the consumption of prescriptions per inhabitant was 20.6 , up $1.5 \%$ compared with 2017.


Average expenditure per NHS prescription invoiced


Principal active ingredients consumed


Per medicinal package dispensed


Per amount of medicinal product dispensed

Average expenditure per NHS prescription invoiced

The expenditure per inhabitant and year in 2018 amounted to 233.9 euros, up $2.6 \%$ compared with 2017. Since 2013 the expenditure per inhabitant has been increasing, although the figure for 2018 remains below 2010 values (270.3 euros).

The average expenditure per prescription in 2018 was 11.4 euros, up by 0.2 euros compared with the previous year.

HOSPITAL PHARMACEUTICAL SERVICE

Principal therapeutic sub-groups consumed at manufacturers' prices

Principal active ingredients consumed at manufacturers' prices


## ORDINARY CARE ACTIVITY

## Primary care

The average frequency with which the Spanish population VISITS A DOCTOR is

## 5.1

visits per person and year.

The average frequency with which the Spanish population VISITS A NURSE is
2.8 visits per person and year.
...... Doctor

The average number of visits to see a doctor has fallen slightly, while the average number of visits to be seen by a nurse has remained stable over time.


## Specialized care

### 87.2 ADMISSIONS

per 1,000 inhabitants and year, in NHS
ACUTE CARE HOSPITALS

SPECIALISTS consultations at NHS HOSPITALS amount to

## 1.7 consultations/inhab.

$80 \%$ of specialized care consultations at acute care hospitals take place in the $\mathbf{N H S}$.

## URGENT CARE



There were $\mathbf{2 8 . 7}$ million urgent consultations in PRIMARY CARE.

There were 0.62 urgent consultations per inhabitant and year:

DOCTORS: 0.59
NURSES: 0.26
The data on urgent primary care consultations reflect SIGNIFICANT DIFFERENCES BY SEX which ARE
INVERTED over the individual's lifespan.

## Specialized care



23 million urgent consultations are attended to at NHS ACUTE CARE HOSPITALS, 76\% of the total urgent hospital consultations.

NHS HOSPITAL consultations amount to 0.49 per inhabitant and year.

Urgent hospital consultations show a clear upward trend since 2010.

Phone calls to 112/061 for urgent and emergency care services


Phone calls to 112/061 stand at
6.7 million, reflecting an irregular evolution, but with a clear rise in numbers.

The number of calls for care is
46.3 per 1,000 inhabitants.

## PHYSICAL RESOURCES

## PRIMARY CARE



Since 2004 the number of HEALTHCARE CENTRES has been increasing to amount to $\mathbf{3 , 0 5 5}$ in 2018, a trend that has become stable over the past 4 years.

The average number of local surgeries per healthcare centre is 3.3, with considerable variability between territories, which reflects the variable geographical dispersion of the population in Spain.


## SPECIALIZED CARE

Spain has 806 HOSPITALS, representing 1.7 hospitals per 100,000 inhabitants.

The NHS has 468 HOSPITALS:
321 ACUTE CARE HOSPITALS and
147 LONG-TERM CARE HOSPITALS.


The NHS has 18,839 day hospital places, representing $87.9 \%$ of the total in the health system.


The network of NHS hospitals has 193 RADIOTHERAPY MACHINES, representing $79.8 \%$ of the 242 machines available in the Spanish health system.

In 2019 the NHS has 279 specialist centres, services and units


## NHS DOCTORS

54.6\% of NHS doctors work in hospitals, and $\mathbf{2 6 . 8 \%}$ in primary care.


## NHS NURSES

$77.9 \%$ of NHS nurses work at hospitals, and $19.5 \%$ in primary care.


## OTHER NHS PROFESSIONALS



The number of places for Specialized Healthcare Training in the 2018/19 call for applications has increased by $4.5 \%$ compared with the previous call.

## SPECIALIZED HEALTHCARE TRAINING

The NHS has an additional 317,578 professionals ${ }^{(*)}$, in addition to doctors and nurses, and $85 \%$ of these work in hospitals and $10.2 \%$ in primary care.

## 6.8 other professionals per 1,000 people

(*) Includes health and non-health professionals.
 expenditure $€ 77.40$ billion 70.5\%
73.8\% of the private healthcare expenditure is borne through direct payments by households.


The healthcare expenditure of the public administrations accounts for $70.5 \%$ of total healthcare expenditure.

## 73.8\% Direct payments by households

Medicines and non-durable medical products


Therapeutic devices and durable medical products 32.2\% Long-term care 7.0\%

Auxiliary services
0.2\%

Dental care
14.9\%

## PUBLIC HEALTHCARE EXPENDITURE



During the 2014-2018 period, public healthcare expenditure increased by $16.0 \%$ and public healthcare expenditure per inhabitant, by $15.2 \%$. Public healthcare expenditure as a percentage of GDP fell by 0.1 percentage points.


## EXPENDITURE ON PUBLIC HEALTHCARE MANAGED BY THE AUTONOMOUS COMMUNITIES

| Staff remuneration |  |  |
| :--- | :--- | :--- |
| Intermediate consumption | 26 |  |
| Others |  | $19.7 \%$ |
| Agreements <br> $*$ | $9.1 \%$ |  |

*with private healthcare providers



By sex, out-of-pocket expenditure has been higher for women throughout the five-year period, with the average expenditure being $9.4 \%$ greater for women than for men.

The 2019 Annual Report of the National Health System forms part of the series of reports begun in 2003, and offers summarized information on the state of the National Health system and its evolution over time. This new, shorter edition seeks simplicity and visibility of information supported by a greater number of charts and infographics, especially in the Executive Summary.

