

# SUSTAINABLE DEVELOPMENT IN GERMANY

Data relating to the Indicator Report 2012



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## Table of contents

	Page		Page		Page
Preliminary note.....	4				
<b>I. Intergenerational equity</b>		<b>II. Quality of live</b>		<b>III. Social cohesion</b>	
<b>Resource conservation</b>		<b>Economic output</b>		<b>Employment</b>	
<a href="#">1a, b</a> Energy produktivity, Primary energy consumption.....	5	<a href="#">10</a> Gross domestic product per capita.....	31	<a href="#">16a, b</a> Employment rate .....	51
<a href="#">1c</a> Raw material productivity.....	7	<b>Mobility</b>		<b>Prospects for families</b>	
<b>Climate protection</b>		<a href="#">11a</a> Intensity of goods transport.....	33	<a href="#">17a, b</a> All-day care provision for children .....	53
<a href="#">2</a> Greenhouse gas emissions.....	9	<a href="#">11b</a> Intensity of passenger transport.....	35	<b>Equal opportunities</b>	
<b>Renewable energy sources</b>		<a href="#">11c, d</a> Share of rail transport and inland freight water transport .....	37	<a href="#">18</a> Gender pay gap .....	55
<a href="#">3a, b</a> Share of renewable energy sources in final consumption, Share of renewable energy sources in electricity consumption .....	11	<b>Farming</b>		<b>Integration</b>	
<b>Land use</b>		<a href="#">12a</a> Nitrogen surplus .....	38	<a href="#">19</a> Foreign school leavers with a school leaving certificate .....	56
<a href="#">4</a> Built-up area and transport infrastructure expansion.....	13	<a href="#">12b</a> Organic farming .....	40		
<b>Species diversity</b>		<b>Air quality</b>		<b>IV. International responsibility</b>	
<a href="#">5</a> Species diversity and landscape quality.....	15	<a href="#">13</a> Air pollution .....	42	<b>Development cooperation</b>	
<b>Government debt</b>		<b>Health and nutrition</b>		<a href="#">20</a> Share of expenditures for official development assistance in gross national income .....	59
<a href="#">6a, b</a> General government deficit, Structural deficit.....	17	<a href="#">14a, b</a> Premature mortality .....	43	<b>Opening markets</b>	
<a href="#">6c</a> Government debt.....	19	<a href="#">14c, d</a> Smoking rates amongst young people and adults .....	45	<a href="#">21</a> German imports from developing countries .....	61
<b>Provision for future economic stability</b>		<a href="#">14e</a> Proportion of adults suffering from obesity .....	47		
<a href="#">7</a> Gross fixed capital formation in relation to GDP.....	20	<b>Crime</b>			
<b>Innovation</b>		<a href="#">15</a> Criminal Offences .....	49		
<a href="#">8</a> Private and public spending on research and development.....	23			List of abbreviations / explanation of symbols .....	63
<b>Education and training</b>					
<a href="#">9a</a> 18- to 24-year-olds without a school leaving certificate.....	25				
<a href="#">9b</a> 30- to 34-year-olds with a tertiary or post-secondary non-tertiary level of educations.....	27				
<a href="#">9c</a> Share of students starting a degree course.....	29				

## Preliminary note

This publication "Data to the Indicator Report 2012" is a supplement to the Indicator Report 2012 on sustainable development in Germany. It provides not only the annual series pertaining to the sustainability indicators, but also supplies annual series relating to other interesting aspects relating to the sustainability indicators. Background information mentioned in the indicator report is extended in order to increase the informational value and the transparency of the sustainability indicators.

In addition to (1) with the definition of the respective indicator, these pages contain (2) the data series pertaining to the indicator (in bold print) and the data series of the other curves shown in the charts. In some cases, the data series are given from which an indicator is derived mathematically. Item supplementary data (3) offers important additional information which may be useful for interpreting the indicator data and in the most instances is mentioned in the texts. Sometimes further sources of information are listed apart from the data sources.

I. Intergenerational equity  
Resource conservation

## 1a, b Energy productivity, Primary energy consumption

### 1. Definition

1a: Energy productivity = gross domestic product / domestic primary energy consumption.

Primary productivity expresses how much gross domestic product (in euros adjusted for price changes) is generated per unit of primary energy used (in petajoules).

b: Domestic primary energy consumption is calculated from the sum of all primary energy sources generated domestically and all imported energy sources less energy exports (and excluding offshore bunkering). In terms of use, this is equivalent to total energy used for energy purposes (final energy consumption and own consumption by energy sectors) and for non-energy purposes (e. g. in the chemical industry), losses incurred through domestic energy conversion, losses from flaring and distribution as well as statistical differences reported in energy balance sheets.

### 2. Data on the time series of the indicator

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1990 = 100														
1	Primary energy consumption 1).....	100.0	95.7	96.6	98.5	96.8	98.0	97.9	97.5	99.2	94.8	95.4	90.1	94.2
2	Gross domestic product (GDP, price-adjusted).....	100.0	107.6	118.0	119.8	119.8	119.4	120.8	121.6	126.1	130.2	131.6	124.9	129.5
3	Energy productivity 2) ..... <i>Specification: (3)= (2) / (1) * 100</i>	100.0	112.4	122.2	121.7	123.8	121.9	123.4	124.7	127.1	137.4	138.0	138.6	137.4

### 3. Supplementary data

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
petajoules														
13	Primary energy consumption (domestic concept) 1) .....	14,905	14,269	14,401	14,679	14,427	14,600	14,591	14,537	14,786	14,128	14,216	13,428	14,044
14	Total final energy consumption.....	9,472	9,322	9,234	9,455	9,226	9,375	9,297	9,239	9,294	8,814	9,098	8,692	9,060
15	Households.....	2,383	2,655	2,584	2,822	2,689	2,750	2,634	2,591	2,622	2,259	2,558	2,476	2,583
16	Business, trade and services.....	1,733	1,579	1,478	1,571	1,544	1,481	1,466	1,453	1,442	1,303	1,442	1,373	1,379
17	Industry.....	2,977	2,474	2,421	2,365	2,322	2,545	2,581	2,610	2,615	2,653	2,529	2,306	2,542
18	Transport.....	2,378	2,614	2,751	2,697	2,672	2,601	2,616	2,586	2,615	2,599	2,569	2,538	2,557
19	Primary energy consumption (residents concept).....	.	18,191	18,199	18,755	18,407	18,606	18,519	18,471	18,663	17,727	18,216	17,411	...
20	All homogeneous branches.....	.	14,217	14,295	14,595	14,361	14,517	14,516	14,546	14,739	14,166	14,381	13,628	...
21	Private households (residents concept).....	.	3,974	3,904	4,160	4,046	4,089	4,003	3,925	3,924	3,561	3,835	3,783	...

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1990 = 100														
22	Primary energy consumption (domestic concept).....	100.0	95.7	96.6	98.5	96.8	98.0	97.9	97.5	99.2	94.8	95.4	90.1	94.2
23	Total final consumption.....	100.0	98.4	97.5	99.8	97.4	99.0	98.2	97.5	98.1	93.1	96.0	91.8	95.6
24	Households.....	100.0	111.4	108.4	118.4	112.8	115.4	110.5	108.7	110.0	94.8	107.3	103.9	108.4
25	Business, trade and services.....	100.0	91.1	85.2	90.6	89.1	85.4	84.5	83.8	83.2	75.2	83.2	79.2	79.5
26	Industry.....	100.0	83.1	81.3	79.5	78.0	85.5	86.7	87.7	87.8	89.1	84.9	77.5	85.4
27	Transport.....	100.0	109.9	115.7	113.4	112.3	109.3	110.0	108.7	110.0	109.3	108.0	106.7	107.5
percentage of total final energy consumption														
28	Total final consumption.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
29	Households.....	25.2	28.5	28.0	29.8	29.1	29.3	28.3	28.0	28.2	25.6	28.1	28.5	28.5
30	Business, trade and services.....	18.3	16.9	16.0	16.6	16.7	15.8	15.8	15.7	15.5	14.8	15.9	15.8	15.2
31	Industry.....	31.4	26.5	26.2	25.0	25.2	27.1	27.8	28.2	28.1	30.1	27.8	26.5	28.1
32	Transport.....	25.1	28.0	29.8	28.5	29.0	27.7	28.1	28.0	28.1	29.5	28.2	29.2	28.2
1995 = 100														
33	Primary energy consumption (residents concept).....	.	100.0	100.0	103.1	101.2	102.3	101.8	101.5	102.6	97.4	100.1	95.7	...
34	All homogeneous branches.....	.	100.0	359.7	367.3	361.4	365.3	365.3	366.0	370.9	356.5	361.9	342.9	...
35	Private households (residents concept).....	.	100.0	27.5	29.3	28.5	28.8	28.2	27.6	27.6	25.0	27.0	26.6	...

1) Revised figures published by Working Group on Energy Balances (AGEB) in August 2011.

2) Due to revised figures from AGEB results slightly differ from figures published in the Indicator Report 2010, cf. Footnote 1.

Source: Working Group on Energy Balances (AGEB), Auswertungstabellen, from August 2011

Statistisches Bundesamt (Federal Statistical Office), Umweltökonomische Gesamtrechnungen (Environmental-Economic Accounting), December 2011.

#### 4. Further information

In English: Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting ([www.destatis.de](http://www.destatis.de), Publications\Specialized\Environmental-Economic Accounting)

In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

In German: Umweltnutzung und Wirtschaft, Tabellen (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

I. Intergenerational equity  
Resource conservation

## 1c Raw material productivity

### 1. Definition

Raw material productivity = gross domestic product / domestic abiotic primary material.

Raw material productivity expresses how much gross domestic product (in euros, adjusted for price changes) is obtained per tonne of abiotic primary material used.

The (non-renewable) raw materials withdrawn from the domestic environment - not counting agricultural and forestry products - as well as all imported abiotic materials (raw materials, semi-finished and finished products) are considered to be abiotic primary material.

### 2. Data on the time series of the indicator

No.	Specification	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
<b>1994 = 100</b>														
1	Raw material extraction and imports.....	100.0	96.3	93.3	88.6	87.6	88.6	88.4	86.4	90.5	89.2	88.0	80.4	82.9
2	Gross domestic product (GDP, price-adjusted).....	100.0	101.7	111.5	113.2	113.2	112.8	114.1	114.9	119.1	123.0	124.3	118.0	122.3
3	<b>Raw material productivity.....</b> <i>Specification: (3)= (2) / (1)</i>	<b>100.0</b>	<b>105.6</b>	<b>119.5</b>	<b>127.7</b>	<b>129.2</b>	<b>127.3</b>	<b>129.1</b>	<b>132.9</b>	<b>131.5</b>	<b>138.0</b>	<b>141.3</b>	<b>146.8</b>	<b>147.5</b>

### 3. Supplementary data

No.	Specification	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
<b>mn tonnes</b>														
4	Withdrawal of raw materials and imports.....	1,500.4	1,444.3	1,399.6	1,329.5	1,314.3	1,329.1	1,325.7	1,296.5	1,358.6	1,337.8	1,319.9	1,205.8	1,244.2
5	Withdrawal of raw materials.....	1,107.9	1,051.1	959.7	902.9	882.8	875.7	854.8	827.6	861.1	841.4	821.5	773.3	759.0
6	Imports of raw materials and goods.....	392.5	393.3	439.9	426.6	431.5	453.5	470.9	468.9	497.5	496.5	498.4	432.5	485.2
7	Share of imports in the primary material use (%).....	26.2	27.2	31.4	32.1	32.8	34.1	35.5	36.2	36.6	37.1	37.8	35.9	39.0
8	Energy sources.....	514.5	499.3	489.0	495.2	505.8	523.8	529.3	526.1	531.4	522.1	519.0	489.2	500.0
9	Domestic extraction.....	278.0	265.5	220.7	222.4	227.9	225.5	226.9	220.9	215.7	219.0	209.1	199.1	195.3
10	Imports.....	236.5	233.8	268.3	272.8	277.9	298.3	302.4	305.2	315.7	303.0	310.0	290.1	304.7
11	Of which: energy sources.....	172.5	169.6	194.5	199.1	208.2	224.8	224.4	227.7	232.6	224.6	228.1	213.2	212.6
12	Semi-finished products out of energy sources.....	48.5	48.4	53.5	53.5	49.1	50.6	53.3	52.3	54.7	48.1	52.8	51.2	61.6
13	Finished products predominately from energy sources.....	15.5	15.9	20.3	20.1	20.6	22.9	24.7	25.2	28.4	30.3	29.1	25.6	30.5

No.	Specification	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
14	Ores and their products.....	87.3	90.5	107.5	99.3	101.2	103.4	117.3	113.0	128.5	138.3	134.0	93.1	126.6
15	Domestic extraction.....	0.1	0.1	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4
16	Imports.....	87.2	90.4	107.0	98.8	100.8	103.0	116.8	112.6	128.1	137.8	133.5	92.8	126.3
17	Of which: ores.....	47.0	47.3	51.9	44.5	48.6	43.1	51.2	47.0	49.6	52.3	51.2	33.6	47.7
18	Semi-finished products out of ores.....	9.6	9.7	13.0	12.8	12.5	14.7	17.4	17.2	19.4	21.1	20.2	13.3	18.6
19	Finished products mostly out of ores.....	30.6	33.5	42.1	41.5	39.8	45.2	48.2	48.4	59.1	64.4	62.2	45.9	60.0
20	Construction minerals.....	796.2	756.2	707.2	644.1	616.0	609.3	583.8	562.3	599.5	579.6	571.7	534.4	522.5
21	Domestic extraction.....	765.9	727.0	679.2	621.8	595.4	590.7	565.7	543.8	580.8	559.8	552.1	516.2	505.2
22	Imports.....	30.3	29.2	28.0	22.4	20.6	18.6	18.0	18.5	18.8	19.8	19.6	18.2	17.3
23	Of which: construction minerals.....	27.9	26.7	24.8	20.0	18.6	16.4	16.0	16.3	16.3	17.2	17.3	16.2	15.3
24	Semi-finished products out of construction minerals.....	2.0	2.0	2.8	1.8	1.5	1.6	1.5	1.6	1.7	1.8	1.6	1.4	1.2
25	Finished products mostly out of construction minerals.....	0.4	0.5	0.5	0.5	0.4	0.5	0.6	0.6	0.7	0.8	0.7	0.7	0.8
26	Industrial minerals.....	102.4	98.3	95.9	91.0	91.3	92.6	95.4	95.2	99.2	97.9	95.2	89.1	95.0
27	Domestic extraction.....	63.9	58.5	59.3	58.3	59.1	59.0	61.8	62.6	64.2	62.1	59.9	57.6	58.1
28	Imports.....	38.5	39.8	36.6	32.7	32.2	33.6	33.6	32.6	35.0	35.8	35.3	31.5	36.9
29	Of which: industrial minerals.....	7.8	8.8	9.4	8.5	9.6	9.7	9.5	9.2	10.2	10.6	9.6	7.6	9.1
30	Semi-finished products out of industrial minerals.....	25.9	26.3	20.2	17.9	15.9	16.4	16.1	15.3	15.8	15.6	15.6	15.1	17.2
31	Finished products mostly out of industrial minerals.....	4.8	4.8	7.0	6.4	6.6	7.5	7.9	8.1	8.9	9.6	10.1	8.8	10.6
1994 = 100														
32	Withdrawal of raw materials.....	100.0	94.9	86.6	81.5	79.7	79.0	77.2	74.7	77.7	75.9	74.1	69.8	68.5
33	Imports of raw materials and goods.....	100.0	100.2	112.1	108.7	109.9	115.5	120.0	119.5	126.8	126.5	127.0	110.2	123.6
Withdrawal of raw materials and imports of														
34	Energy sources.....	100.0	97.1	95.0	96.2	98.3	101.8	102.9	102.3	103.3	101.5	100.9	95.1	97.2
35	Ores and their products.....	100.0	103.7	123.1	113.7	115.9	118.4	134.3	129.4	147.2	158.4	153.5	106.6	145.0
36	Construction minerals.....	100.0	95.0	88.8	80.9	77.4	76.5	73.3	70.6	75.3	72.8	71.8	67.1	65.6
37	Industrial minerals.....	100.0	96.0	93.7	88.9	89.2	90.5	93.2	93.0	96.9	95.6	93.0	87.0	92.8

1) Preliminary results.

Source: Statistisches Bundesamt (Federal Statistical Office), Umweltökonomische Gesamtrechnungen (Environmental-Economic Accounting), 2011.  
Der Bergbau in der Bundesrepublik Deutschland - Bergwirtschaft und Statistik, Hrsg.: Bundesministerium für Wirtschaft und Technologie ( [www.bmwi.de](http://www.bmwi.de) )

#### 4. Further information

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In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)  
In German: Umweltnutzung und Wirtschaft, Tabellen (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)



I. Intergenerational equity  
Climate protection

## 2 Greenhouse gas emissions

### 1. Definition

Emissions of the following greenhouse gases<sup>1)</sup> (substances or substances classes) according to the Kyoto Protocol: carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), partly halogenated hydrofluorocarbons (HFC), perfluorocarbons (PFC) and sulphur hexafluoride (SF<sub>6</sub>). The base year is 1990 for CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and 1995 for HFC, PFC, SF<sub>6</sub>.

Calculations are based on the database Zentrales System Emissionen (Central System of Emissions - ZSE) of the Federal Environment Agency taking additional statistical energy information into account.

### 2. Data on the time series of the indicator

No.	Specification	Base year <sup>2)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>3)</sup>
Base year = 100 <sup>1)</sup>															
1	Greenhouse gas emissions.....	100.0	101.4	91.0	84.6	85.9	84.2	83.7	83.0	81.2	81.4	79.6	79.7	74.7	77.9

### 3. Supplementary data

No.	Specification	Base year <sup>2)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>3)</sup>
mn tonnes CO <sub>2</sub> equivalents															
2	Greenhouse gases.....	1,232.0	1,248.7	1,120.7	1,042.8	1,057.7	1,037.4	1,031.4	1,022.0	1,000.5	1,002.9	980.8	981.9	920.1	960.0
3	CO <sub>2</sub> .....	1,041.7	1,041.7	930.4	891.0	907.1	890.9	889.8	881.2	864.0	870.2	847.3	848.0	788.8	831.5
4	Other (CH <sub>4</sub> , N <sub>2</sub> O, H-FKW, SF <sub>6</sub> ) .....	210.6	207.0	190.3	151.8	150.7	146.5	141.5	140.8	136.6	132.7	133.6	133.9	131.3	128.5
5	Including: CH <sub>4</sub> .....	107.3	107.3	92.2	74.8	71.7	68.5	64.9	59.8	57.2	54.2	52.0	51.3	48.8	48.3
6	N <sub>2</sub> O .....	87.8	87.8	82.6	65.0	66.0	64.9	63.7	67.3	64.9	63.8	66.3	67.4	66.9	64.3
7	HFCs .....	6.5	4.4	6.5	6.5	7.9	8.8	8.6	9.2	10.0	10.5	11.1	11.5	12.0	12.1
8	PFCs .....	1.7	2.7	1.7	0.8	0.7	0.8	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4
9	SF <sub>6</sub> .....	7.2	4.8	7.2	4.8	4.3	3.6	3.5	3.7	3.7	3.7	3.5	3.3	3.2	3.4
in percent															
10	Share CO <sub>2</sub> .....	84.6	83.4	83.0	85.4	85.8	85.9	86.3	86.2	86.3	86.8	86.4	86.4	85.7	86.6

No.	Specification	Base year <sup>2)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>3)</sup>
Base year = 100 <sup>1)</sup>															
11	Greenhouse gases.....	100.0	101.4	91.0	84.6	85.9	84.2	83.7	83.0	81.2	81.4	79.6	79.7	74.7	77.9
12	CO <sub>2</sub> .....	100.0	100.0	89.3	85.5	87.1	85.5	85.4	84.6	82.9	83.5	81.3	81.4	75.7	79.8
13	Other (CH <sub>4</sub> , N <sub>2</sub> O, H-FKW, SF <sub>6</sub> ) .....	100.0	98.3	90.4	72.1	71.5	69.6	67.2	66.9	64.9	63.0	63.4	63.6	62.4	61.0
14	Including: CH <sub>4</sub> .....	100.0	100.0	85.9	69.7	66.9	63.8	60.5	55.7	53.3	50.5	48.5	47.8	45.5	45.0
15	N <sub>2</sub> O .....	100.0	100.0	94.1	74.0	75.1	73.9	72.5	76.6	73.9	72.6	75.5	76.7	76.2	73.2
16	HFCs .....	100.0	67.5	100.0	100.2	122.0	136.0	133.3	142.7	154.6	162.9	172.3	177.4	184.8	187.1
17	PFCs .....	100.0	154.8	100.0	44.7	41.0	45.1	48.6	47.0	40.5	32.6	30.3	30.4	24.7	22.9
18	SF <sub>6</sub> .....	100.0	66.3	100.0	66.8	60.2	49.4	48.3	50.7	51.6	50.6	49.0	45.5	44.6	47.1

1) Without emissions from land use changes and forestry (LULUF); without emissions from the energetic use of biomass.

2) Base year is 1990 for CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and 1995 for HFC, PFC, SF<sub>6</sub>.

3) Prediction of the Federal Environment Agency based on simplified calculations (Status from March 2011).

Source: Umweltbundesamt (Federal Environment Agency); Nationale Trendtabellen für die deutsche Berichterstattung atmosphärischer Emissionen, Status from January 2011.

#### 4. Further information

United Nations Framework Convention on Climate Change (UNFCCC), [unfccc.int/2860.php](http://unfccc.int/2860.php)

Annual European Union Greenhouse Gas inventory 1990 - 2009 (European Environment Agency) [www.eea.europa.eu/publications](http://www.eea.europa.eu/publications)

Nationaler Inventarbericht 2011, [www.umweltbundesamt.de/emissionen/publikationen.htm](http://www.umweltbundesamt.de/emissionen/publikationen.htm)

In English: Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting ([www.destatis.de](http://www.destatis.de), Publications\Specialized\Environmental-Economic Accounting)

In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

In German: Umweltnutzung und Wirtschaft, Tabellen (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

I. Intergenerational equity  
Renewable energy sources

### 3a Share of renewable energy sources in final energy consumption

#### b Share of renewable energy sources in electricity consumption

#### 1. Definition

3a: Share of renewable energies in total final energy consumption. Renewable energies include, among other, hydropower, wind power, photovoltaics, solar energy and geothermal energy, as well as biomass and biodegradable portions of domestic refuse. Final energy is generated subject to energy losses through conversion from primary energy (see Indicator 1b) and is directly available to the consumer.

b: Share of electricity from renewable energy sources (see Indicator 3a) in (gross-) electricity consumption (comprising net electricity supply of the country, exchange balance with other countries, own electricity consumption of power plants and grid losses).

#### 2. Data on the time series of the indicator

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
		in percent												
1	Share of final energy consumption 2).....	1.9	2.2	3.8	4.1	4.5	5.0	5.9	6.8	8.0	9.5	9.3	10.3	10.9
2	Share of (gross) electricity consumption.....	3.1	4.5	6.4	6.7	7.8	7.5	9.2	10.1	11.6	14.2	15.1	16.3	17.0
3	Share of primary energy consumption.....	1.3	1.9	2.9	2.9	3.2	3.8	4.5	5.3	6.3	7.9	8.1	8.9	9.4

### 3. Supplementary data

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
gigawatt-hours														
4	Electricity production renewable energies.....	17,087	24,271	37,217	39,033	45,647	44,993	56,052	62,112	71,657	88,238	92,989	94,641	103,466
5	Hydropower 3).....	15,580	20,747	24,867	23,241	23,662	17,722	19,910	19,576	20,042	21,169	20,446	19,059	20,630
6	Windpower.....	71	1,500	7,550	10,509	15,786	18,713	25,509	27,229	30,710	39,713	40,574	38,639	37,793
7	Biomass 4).....	222	665	2,893	3,348	4,089	6,085	7,960	10,979	14,841	19,760	22,872	25,989	28,681
8	Biodegradable portions of domestic refuse 5).....	1,213	1,348	1,844	1,859	1,949	2,161	2,117	3,047	3,844	4,521	4,659	4,352	4,651
9	Photovoltaic.....	1	11	64	76	162	313	556	1,282	2,220	3,075	4,420	6,583	11,683
10	Geothermal energy.....	0	0	0	0	0	0	0	0	0	0	18	19	28

1) Preliminary results.

2) Based on efficiency method.

3) In the case of pumped-storage power plants, electricity generated from natural inflow only.

4) Until 1998, only free-in to the general supply grid.

5) Share of biogenic waste estimated at 50%.

Source: Working Group on Energy Balances (AGEB), Working Group on Renewable Energies-Statistics (AGEE-Stat), Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW) (Centre for Solar Energy and Hydrogen Research Baden-Württemberg); Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (editor): Renewable Energies in Figures - National and International Development, July 2011.

### 4. Further information

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (editor): Renewable Energies in Figures - National and International Development, July 2011

Richtlinie 2009/28/EG zur Förderung der Nutzung erneuerbarer Energien

Richtlinie 2001/77/EG des Europäischen Parlaments zur Förderung der Stromerzeugung aus Erneuerbaren Energien

## I. Intergenerational equity

## Land use

## 4 Build-up area and transport infrastructure expansion

## 1. Definition

Average daily build-up area and transport infrastructure expansion. Determination by the division of the build-up area and transport infrastructure expansion (in hectares) in a defined period of time (one year or four years) by the number of days (365/366 or 1,461). The moving four-year average is determined in each case by the development of this area in the relevant year and the preceding three years.

The data for one year are currently influenced by external effects (the public land survey registers are being reorganised), so that the moving four-year average gives a better picture.

## 2. Data on the time series of the indicator

No.	Specification	1992	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		ha per day												
1	Built-up area and transport infrastructure expansion.....	.	120 <sup>1)</sup>	131	121	110	99	131	118	106	97	95	78	77
2	Built-up area and transport infrastructure expansion (moving four-year average).....	.	120	129	128	123	115	115	114	113	113	104	94	87

## 3. Supplementary data

No.	Specification	1992	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		ha per day												
3	Increase in building and adjacent open land, commercial/industrial land 2).....	.	87 <sup>1)</sup>	87	70	66	45	60	35	30	40	35	28	33
4	Increase in recreational land, cemetery.....	.	9 <sup>1)</sup>	21	29	21	34	46	57	52	33	39	32	23
5	Increase in transport land.....	.	24 <sup>1)</sup>	24	23	22	20	25	25	24	24	21	18	21
		km <sup>2</sup>												
6	Built-up area and transport land 3) 4) .....	40,305	42,052	43,939	44,381	44,780	45,141	45,621	46,050	46,436	46,789	47,137	47,422	47,702
7	Of which: built-up area.....	23,864	25,267	26,821	27,181	27,498	27,785	28,175	28,513	28,810	29,074	29,347	29,566	29,771
8	Of which 5): building and adjacent open land, commercial/industrial land 2).....	21,283	22,557	23,813	24,068	24,308	24,472	24,692	24,822	24,930	25,075	25,204	25,305	25,426
9	Recreational land, cemetery.....	2,581	2,709	3,008	3,113	3,190	3,313	3,483	3,691	3,881	3,999	4,144	4,261	4,346
10	Transport land.....	16,441	16,786	17,118	17,200	17,282	17,356	17,446	17,538	17,626	17,715	17,790	17,856	17,931
	Built-up area used by:													
12	Production activities.....	10,631	11,274	11,782	.	.	.	11,996	.	.	.	12,588	.	.
13	Private households.....	12,022	12,659	13,457	.	.	.	14,678	.	.	.	15,430	.	.
14	Unused.....	1,211	1,333	1,582	.	.	.	1,502	.	.	.	1,329	.	.

No.	Specification	1992	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1992 = 100														
15	Built-up area and transport land.....	100.0	104.3	109.0	110.1	111.1	112.0	113.2	114.3	115.2	116.1	117.0	117.7	118.4
16	Of which: built-up area.....	100.0	105.9	112.4	113.9	115.2	116.4	118.1	119.5	120.7	121.8	123.0	123.9	124.8
17	Of which: building and adjacent open land, commercial/industrial land 2).....	100.0	106.0	111.9	113.1	114.2	115.0	116.0	116.6	117.1	117.8	118.4	118.9	119.5
18	Recreationl land, cemetery.....	100.0	105.0	116.5	120.6	123.6	128.3	134.9	143.0	150.3	154.9	160.5	165.1	168.4
19	Transport land.....	100.0	102.1	104.1	104.6	105.1	105.6	106.1	106.7	107.2	107.7	108.2	108.6	109.1
Built-up area used by:														
21	Production activities.....	100.0	106.1	110.8	.	.	.	112.8	.	.	.	118.4	.	.
22	Private households.....	100.0	105.3	111.9	.	.	.	122.1	.	.	.	128.3	.	.
23	Unused.....	100.0	110.0	130.6	.	.	.	124.0	.	.	.	109.7	.	.
million														
24	Inhabitants 3).....	81.0	82.0	82.3	82.4	82.5	82.5	82.5	82.4	82.3	82.2	82.0	81.8	81.8
m <sup>2</sup>														
25	Living space per capita.....	.	.	.	.	41.6	.	.	.	42.9	.	.	.	...
Euro bn														
26	Building investment (price-adjusted, chained absolute value).....	244.0	254.4	244.3	233.6	220.1	214.8	206.0	198.9	209.5	208.8	207.4	201.3	205.7
Base year = 100														
27	Inhabitants (1992 = 100).....	100.0	101.3	101.6	101.8	101.9	101.9	101.9	101.8	101.7	101.5	101.3	101.0	101.0
28	Living space per capita (1993 = 100).....	.	.	.	.	114.9	.	.	.	118.5	.	.	.	...
29	Building investment (2005 = 100) (price-adjusted, chained absolute value).....	122.7	127.9	122.8	117.4	110.7	108.0	103.6	100.0	105.3	105.0	104.3	101.2	103.4

1) 1993 - 1996.

2) Except mining land.

3) The reference data is 31.12.

4) 1993 - 1995: Interpolated values, exclusively for the purpose of calculating a moving four-year average.

1997 - 1999: The data are based on a projection by the Federal Office for Building and Regional Planning.

5) 1997 - 1999: Linear interpolation with subsequent adjustment to the expanded values of built-up area and transport land.

Source: Statistisches Bundesamt (Federal Statistical Office): Area survey, Environmental-Economic Accounting, Current population statistics, Building and housing sample survey, Microcensus, National accounts  
 Bundesamt für Bauwesen und Raumordnung (Federal Office for Building and Regional Planning), 2002

#### 4. Further information

In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

## I. Intergenerational equity

## Species diversity

## 5 Species diversity and landscape quality

## 1. Definition

With reference to the projected target value of 100 that is to be reached by 2015, the indicator shows the state of development as an index (percentage of target value). The index is calculated from the level of target achievement, laid down for a total 59 bird species for target year.

The bird species on which the indicator is based represent the most important types of landscape and habitat in Germany (farmland, forests, settlements, inland waters, coasts and seas and the Alps). The size of the bird population reflects the suitability of the landscape as a habitat for the bird species chosen. The indicator also indirectly reflects the development of a number of other species in the landscape and sustainability of land use, since there are also other species besides birds that rely on a richly structured landscape with intact, sustainably used habitats.

The historical values for 1970 and 1975 have been reconstructed. For some bird species in coastal/marine habitats, inland waters and in the Alps, values have been extrapolated in individual years.

## 2. Data on the time series of the indicator \*)

No.	Specification	1970 <sup>1)</sup>	1975 <sup>1)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Index 2015 = 100															
1	Total index .....	107	101	77	74	72	71	70	70	73	74	70	68	69	67
2	Sub-index forests.....	78	78	82	71	73	75	74	80	80	82	79	74	81	70
3	Sub-index housing area.....	99	101	80	75	69	70	63	59	67	66	64	62	59	59
4	Sub-index farmland.....	129	117	74	74	71	68	69	68	71	72	68	67	66	66
5	sub-index inland waters 2).....	83	80	65	68	67	73	67	67	72	73	63	71	73	70

## 3. Supplementary data

No.	Specification	1970 <sup>1)</sup>	1975 <sup>1)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2015 = 100															
6	Sub-index coast and sea 2).....	77	81	77	85	77	81	72	68	63	63	64	66	56	56
7	Sub-index for the Alps 2).....	100	102	100	89	84	76	68	69	74	74	68	67	62	77

\*) All time series have been recalculated backwards.

1) The historical values for 1970 and 1975 have been reconstructed.

2) For some bird species in the habitats of coasts and seas, inland waters and in the Alps, values for individual years have been extrapolated.

Source: Bundesamt für Naturschutz (Federal Agency for Nature Conservation) (BfN) 2011

#### 4. Further information

In German: Bundesamt für Naturschutz, [www.bfn.de](http://www.bfn.de)

In German: Dachverband Deutscher Avifaunisten, [www.dda-web.de](http://www.dda-web.de) (Monitoring der häufigen Brutvögel)

In German: Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit (BMU): Indikatorenbericht 2010 zur nationalen Biodiversitätsstrategie



I. Intergenerational equity  
Government debt

## 6a, b General government deficit and Structural deficit

### 1. Definition

6a: Annual national deficit (or national financing balance), calculated from national revenue less national expenditure (by the Federal Government, *the Länder*, municipalities and social security funds), itemised under national accounts as a percentage of the nominal gross domestic product. Proceeds from UMTS auctions in the year 2000 are not included.

6b: Annual structural deficit as a percentage of gross domestic product. This is the part of the annual national deficit which cannot be attributed to economic fluctuations and temporary effects. The principle of the structurally balanced budget (debt brake) is laid down in German Basic Law (*Grundgesetz*) (Articles 1009 and 115) and relates to the European Stability and Growth Pact.

### 2. Data on the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
Euro bn														
1	Net lending / net borrowing, adjusted 2).....	-43.9	-55.8	-26.8	-64.6	-82.0	-89.1	-82.6	-74.1	-38.2	5.5	-1.4	-76.1	-106.0
2	Gross domestic product (GDP) 3).....	1,534.6	1,848.5	2,047.5	2,101.9	2,132.2	2,147.5	2,195.7	2,224.4	2,313.9	2,428.5	2,473.8	2,374.5	2,476.8
in percent														
3	National deficit in % of GDP..... <i>Specification: (3)= ((1) * 100 / (2))*1</i>	2.9	3.0	1.3	3.1	3.8	4.2	3.8	3.3	1.7	-0.2	0.1	3.2	4.3
4	Structural deficit in % of GDP.....	–	–	–	–	–	–	–	2.3	1.8	0.8	0.6	0.9	2.1
5	Economic growth (in % to previous year)	–	1.7	3.1	1.5	0.0	-0.4	1.2	0.7	3.7	3.3	1.1	-5.1	3.7

### 3. Supplementary data <sup>4)</sup>

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
Euro bn														
4	Revenue.....	665.84	838.69	946.64	936.13	940.32	951.58	951.04	969.33	1,011.05	1,062.30	1,088.20	1,065.98	1,079.75
	including:													
5	Rates.....	596.31	748.42	861.70	845.82	849.75	860.76	861.45	872.84	913.39	959.32	981.32	956.07	967.55
6	Taxes.....	337.85	405.58	480.81	459.58	458.12	463.50	463.99	475.70	512.66	558.38	572.56	546.32	548.87
7	Social contributions.....	258.46	342.84	380.89	386.24	391.63	397.26	397.46	397.14	400.73	400.94	408.76	409.75	418.68

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
8	Expenditure.....	709.69	1,014.05	923.36	1,000.78	1,022.33	1,040.72	1,033.60	1,043.45	1,049.29	1,056.76	1,089.59	1,142.09	1,185.75
	including:													
9	Intermediate consumption.....	65.49	73.45	80.39	84.12	86.95	87.65	88.99	92.84	96.28	99.72	106.88	114.75	119.97
10	Compensation of employees.....	135.10	162.60	169.81	171.77	175.05	176.69	177.04	176.75	177.20	178.23	182.33	189.71	194.54
11	Social benefits other than social transfer in kind....	235.59	326.29	368.90	382.72	397.69	408.74	410.83	412.30	408.98	401.16	404.44	425.68	429.33
12	Social benefits in kind.....	98.97	136.05	152.83	157.72	162.68	166.73	163.47	167.36	171.60	178.28	185.83	196.90	202.95
13	Gross capital formation.....	39.90	39.99	38.35	38.93	37.83	35.23	32.57	31.42	33.73	35.99	38.85	41.37	40.77
14	Net lending / net borrowing (4-8).....	-43.85	-175.36	23.28	-64.65	-82.01	-89.14	-82.56	-74.12	-38.24	5.54	-1.39	-76.11	-106.00
	in % of gross domestic product													
15	Revenue.....	43.4	45.4	46.2	44.5	44.1	44.3	43.3	43.6	43.7	43.7	44.0	44.9	43.6
	including:													
16	Rates.....	38.9	40.5	42.1	40.2	39.9	40.1	39.2	39.2	39.5	39.5	39.7	40.3	39.1
17	Taxes.....	22.0	21.9	23.5	21.9	21.5	21.6	21.1	21.4	22.2	23.0	23.1	23.0	22.2
18	Social contributions.....	16.8	18.5	18.6	18.4	18.4	18.5	18.1	17.9	17.3	16.5	16.5	17.3	16.9
19	Expenditure.....	46.2	54.9	45.1	47.6	47.9	48.5	47.1	46.9	45.3	43.5	44.0	48.1	47.9
	including:													
20	Intermediate consumption.....	4.3	4.0	3.9	4.0	4.1	4.1	4.1	4.2	4.2	4.1	4.3	4.8	4.8
21	Compensation of employees.....	8.8	8.8	8.3	8.2	8.2	8.2	8.1	7.9	7.7	7.3	7.4	8.0	7.9
22	Social benefits other than social transfer in kind....	15.4	17.7	18.0	18.2	18.7	19.0	18.7	18.5	17.7	16.5	16.3	17.9	17.3
23	Social benefits in kind.....	6.4	7.4	7.5	7.5	7.6	7.8	7.4	7.5	7.4	7.3	7.5	8.3	8.2
24	Gross capital formation.....	2.6	2.2	1.9	1.9	1.8	1.6	1.5	1.4	1.5	1.5	1.6	1.7	1.6

1) Preliminary results. Fachserie 18, Reihe 1.4, September 2011.

2) 1995: excluding aquisition of debts from the former "Treuhandanstalt", 2000: excluding revenues from the sale of UMTS licenses at auction; deficit not-adjusted: 1995: -175,4 EUR bn; 2000: 23,3 EUR bn.

3) At current prices.

4) With reference to the anadjusted balance of net lending / net borrowing..

Source: Statistisches Bundesamt (Federal Statistical Office), Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4  
Bundesministerium der Finanzen (Federal Ministry of Finance) (to structural deficit: Herbstprojektion der Bundesregierung, Stand 20.10.2011, not published)

#### 4. Further information

In German: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen, Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4

<https://www.destatis.de/DE/Publikationen/Thematisch/VolkswirtschaftlicheGesamtrechnungen/Inlandsprodukt/InlandsproduktsberechnungVorlaeufig.html?nn=69170>

I. Intergenerational equity  
Government debt

## 6c Government debt

### 1. Definition

The national debt level as defined in the Maastricht Treaty as a measure of government debt in relation to the nominal gross domestic product.

### 2. Data for the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Euro mn														
1	Government debt (Maastricht) 1).....	606,597	1,027,705	1,232,252	1,243,138	1,295,283	1,383,997	1,455,032	1,526,322	1,574,709	1,582,466	1,649,046	1,767,744	2,061,795
2	Gross domestic product (at current prices).....	1,534,600	1,848,500	2,047,500	2,101,900	2,132,200	2,147,500	2,195,700	2,224,400	2,313,900	2,428,500	2,473,800	2,374,500	2,476,800
in percentage terms														
3	Debt ratio..... <i>Specification: (3)= (1) * 100 / (2)</i>	39.5	55.6	60.2	59.1	60.7	64.4	66.3	68.6	68.1	65.2	66.7	74.4	83.2

### 3. Supplementary data

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Euro mn														
4	General government (consolidated).....	606,597	1,027,705	1,232,252	1,243,138	1,295,283	1,383,997	1,455,032	1,526,322	1,574,709	1,582,466	1,649,046	1,767,744	2,061,795
5	Central government.....	-	-	780,789	764,747	787,228	835,111	877,209	923,272	959,275	967,194	997,544	1,066,125	1,308,490
6	State government.....	-	-	348,177	373,895	401,071	432,267	456,888	479,310	489,140	490,891	528,030	571,663	620,206
7	Lokal government.....	-	-	101,862	102,562	104,278	111,686	117,192	121,501	125,060	123,433	123,244	129,140	134,485
8	Social security funds.....	-	-	1,426	1,934	2,705	4,934	3,744	2,239	1,234	948	228	815	-1,386
9	Total (unconsolidated).....	-	-	1,232,253	1,243,138	1,295,283	1,383,997	1,455,032	1,526,322	1,574,709	1,582,466	1,649,046	1,767,744	2,061,795
Thousand														
10	Population 2).....	79,984	81,661	82,188	82,340	82,482	82,520	82,501	82,464	82,366	82,263	82,120	81,875	81,757
1,000 euro														
11	Debt per capita.....	7,584	12,585	14,993	15,098	15,704	16,772	17,637	18,509	19,118	19,237	20,081	21,591	25,219

1) Source: Deutsche Bundesbank (Monatsberichte; Stand 21.11.2011).

[www.bundesbank.de/statistik/statistik\\_zeitreihen](http://www.bundesbank.de/statistik/statistik_zeitreihen)

2) Source: Statistisches Bundesamt (Federal Statistical Office), Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4

### 4. Further information

German: <https://www.destatis.de/DE/Publikationen/Thematisch/VolkswirtschaftlicheGesamtrechnungen/Inlandsprodukt/InlandsproduktsberechnungVorlaeufig.html?nn=69170>

I. Intergenerational equity  
 Provision for future economic stability

## 7 Gross fixed capital formation in relation to GDP

### 1. Definition

Gross fixed capital formation (at current prices) in relation to the nominal gross domestic product (GDP), also referred to as investment ratio.

This includes investments in buildings (residential buildings, non-residential buildings), equipment (machinery, vehicles, tools) and other assets (intangible assets, such as software and copyrights, property transfer costs, production livestock).

### 2. Data for the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1)</sup>	2010 <sup>1)</sup>
Euro bn														
1	Gross fixed capital formation (nominal) 2).....	356.8	405.0	439.6	421.7	391.8	382.0	381.8	384.5	417.8	447.9	460.7	409.3	433.6
2	Gross domestic product (GDP, nominal) 2).....	1,534.6	1,848.5	2,047.5	2,101.9	2,132.2	2,147.5	2,195.7	2,224.4	2,313.9	2,428.5	2,473.8	2,374.5	2,476.8
in percentage terms														
3	Rate of investment in % of GDP..... Specification: (3)= (1) / (2) * 100	23.2	21.9	21.5	20.1	18.4	17.8	17.4	17.3	18.1	18.4	18.6	17.2	17.5

### 3. Supplementary data

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1)</sup>	2010 <sup>1)</sup>
Euro bn														
	Gross fixed capital formation by product (price-adjusted, chained values) 2)													
4	Gross fixed capital formation .....	365.4	380.7	442.4	412.2	387.0	382.4	381.5	384.5	416.1	435.8	443.0	392.5	414.1
5	Machinery and equipment.....	134.3	112.5	176.7	158.1	146.1	146.2	152.7	161.2	180.0	198.9	206.1	159.1	175.8
6	Machinery.....	93.8	82.0	132.5	118.2	109.3	105.4	107.4	113.2	125.2	141.1	150.2	117.1	121.8
7	Transport equipment.....	42.2	30.3	44.2	39.4	36.3	40.7	45.2	47.9	54.8	57.9	56.3	42.4	53.7
8	Construction.....	221.0	261.5	241.9	233.6	220.1	214.8	206.0	198.9	209.5	208.8	207.4	201.3	205.7
9	Dwellings.....	112.0	144.0	140.9	133.8	125.8	123.2	119.1	114.0	120.8	118.7	114.5	111.7	115.6
10	Other buildings and structures.....	108.9	117.5	100.9	99.8	94.4	91.6	86.9	85.0	88.7	90.1	92.9	89.6	90.1
11	Building construction.....	73.2	78.1	64.2	64.6	60.0	56.9	53.7	52.5	55.1	57.1	60.1	58.4	59.0
12	Civil engineering.....	36.0	39.5	36.8	35.3	34.4	34.7	33.2	32.5	33.6	33.0	32.8	31.2	31.2
13	Other products 3) .....	9.9	13.3	23.9	21.3	21.5	21.9	23.0	24.4	26.5	28.5	30.5	30.7	32.1

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1)</sup>	2010 <sup>1)</sup>
	Gross fixed capital formation by industry - new attachment - (price-adjusted, chained values)	Euro bn												
14	Agriculture, hunting and forestry, fishing .....	7.5	6.3	6.5	6.8	6.5	5.9	5.9	6.9	7.7	8.2	9.3	7.4	7.0
15	Industry .....	102.6	87.4	87.1	86.8	79.7	77.8	78.1	74.8	92.7	101.3	92.0	77.5	81.6
16	Services .....	265.0	296.9	343.8	331.9	314.7	311.5	311.3	316.5	373.1	386.0	357.4	321.3	341.1
17	Public administration and defence; compulsory social security....	65.2	67.6	69.4	68.2	67.2	64.6	60.9	60.0	71.0	70.8	62.4	64.4	62.3
	Gross fixed capital formation by product (price-adjusted, volume index)	2005 = 100												
18	Gross fixed capital formation .....	95.1	99.0	110.9	107.2	100.7	99.5	99.2	100.0	108.2	113.4	115.2	102.1	107.7
20	Machinery and equipment.....	83.3	69.8	101.1	98.1	90.7	90.7	94.7	100.0	111.7	123.4	127.9	98.7	109.1
21	Machinery.....	82.9	72.5	104.1	104.4	96.5	93.1	94.9	100.0	110.6	124.6	132.7	103.5	107.6
22	Transport equipment.....	88.0	63.3	94.2	82.2	75.8	85.0	94.3	100.0	114.3	120.7	117.4	88.4	112.1
23	Construction.....	111.1	131.5	122.8	117.4	110.7	108.0	103.6	100.0	105.3	105.0	104.3	101.2	103.4
24	Dwellings.....	98.2	126.4	124.7	117.4	110.3	108.1	104.5	100.0	106.0	104.1	100.5	98.1	101.4
25	Other buildings and structures.....	128.2	138.3	120.1	117.5	111.1	107.8	102.3	100.0	104.4	106.1	109.4	105.4	106.1
26	Building construction.....	139.4	148.8	125.4	123.0	114.4	108.4	102.4	100.0	105.0	108.8	114.4	111.2	112.3
28	Civil engineering.....	110.9	121.8	111.8	108.7	105.8	106.8	102.1	100.0	103.5	101.8	101.2	96.2	96.0
29	Other products 3) .....	40.6	54.5	83.4	87.6	88.5	89.8	94.3	100.0	109.0	116.9	125.1	125.9	131.9
	Gross fixed capital formation by industry - new attachment - (price-adjusted)	Euro bn												
30	Agriculture, hunting and forestry, fishing .....	107.9	91.5	94.3	98.1	93.4	84.9	85.1	100.0	118.6	125.6	133.6	107.2	100.4
31	Industry .....	137.1	116.9	116.5	116.0	106.5	104.0	104.4	100.0	106.4	116.2	123.0	103.6	109.1
32	Services .....	83.8	93.8	108.7	104.9	99.5	98.5	98.4	100.0	108.5	112.3	112.9	101.5	107.8
33	Financial and insurance activities.....	77.7	101.7	109.4	113.6	116.8	105.7	107.8	100.0	88.0	92.0	113.1	113.7	118.7
34	Public administration and defence; compulsory social security....	108.7	112.6	115.5	113.7	111.9	107.6	101.5	100.0	102.4	102.1	103.9	107.2	103.7
	Gross fixed capital formation by industry - new attachment - (at current prices)	Euro bn												
35	Agriculture, hunting and forestry, fishing .....	6.4	5.9	6.3	6.6	6.3	5.7	5.8	6.9	8.4	9.0	9.8	8.0	7.5
36	Industry .....	100.2	90.2	88.4	87.9	80.4	77.7	77.9	74.8	80.1	88.5	94.9	80.0	84.3
37	Services .....	257.4	317.3	355.2	339.8	318.6	311.2	311.7	316.5	344.7	366.2	372.5	336.2	358.7
	Real estate activities.....	102.7	152.9	151.5	143.6	134.2	133.2	128.5	123.3	135.9	143.1	141.7	141.2	147.0
38	Administrative and support service activities .....	8.9	11.7	10.9	11.0	10.8	9.2	9.2	8.3	7.1	7.2	8.7	8.6	8.9
39	Public administration and defence; compulsory social security ...	33.8	34.5	60.1	55.6	53.1	52.6	55.2	60.0	64.9	71.8	73.6	55.8	61.3
40	Total .....	363.9	413.4	449.9	434.3	405.3	394.6	395.5	398.2	433.2	463.7	477.2	424.2	450.5
	in % of total	in % of total												
41	Agriculture, hunting and forestry, fishing .....	1.8	1.4	1.4	1.5	1.6	1.5	1.5	1.7	1.9	1.9	2.1	1.9	1.7
42	Industry .....	27.5	21.8	19.7	20.2	19.8	19.7	19.7	18.8	18.5	19.1	19.9	18.9	18.7
43	Services .....	70.7	76.8	78.9	78.2	78.6	78.9	78.8	79.5	79.6	79.0	78.1	79.3	79.6
44	Real estate activities.....	28.2	37.0	33.7	33.1	33.1	33.8	32.5	31.0	31.4	30.9	29.7	33.3	32.6
45	Administrative and support service activities .....	2.4	2.8	2.4	2.5	2.7	2.3	2.3	2.1	1.6	1.6	1.8	2.0	2.0
46	Public administration and defence; compulsory social security ....	9.3	8.3	13.4	12.8	13.1	13.3	14.0	15.1	15.0	15.5	15.4	13.1	13.6
47	Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1)</sup>	2010 <sup>1)</sup>
	Net stock at current replacement prices	Euro bn												
48	Total assets .....	4,409.3	5,717.2	6,324.0	6,487.3	6,573.9	6,618.7	6,673.4	6,851.2	6,943.0	7,345.6	7,700.1	8,012.2	...
49	Memorandum item: business 1) .....	3,591.8	4,704.9	5,285.6	5,435.1	5,518.3	5,566.2	5,617.6	5,784.7	5,869.6	6,218.2	6,528.0	6,807.0	...
50	General government .....	751.3	926.2	946.8	959.4	962.3	959.8	962.3	970.8	978.0	1,026.7	1,067.4	1,097.5	...

1) Preliminary results, May 2011.

2) Chained values on the basis of volume indices (with reference to the year 2005).

3) Cultivated assets, intangible fixed assets, costs of ownership transfer on non-produced non financial assets of non-built-up land.

Source: Statistisches Bundesamt (Federal Statistical Office), Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4

#### 4. Further information

In German: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen, Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4;

<https://www.destatis.de/DE/Publikationen/Thematisch/VolkswirtschaftlicheGesamtrechnungen/Inlandsprodukt/InlandsproduktsberechnungVorlaeufig.html?nn=69170>

Sektorale und gesamtwirtschaftliche Vermögensbilanzen 1992-2010 (Oct. 2010).

<https://www.destatis.de/DE/Publikationen/Thematisch/VolkswirtschaftlicheGesamtrechnungen/Vermögensrechnung/Vermögensbilanzen.html?nn=69170>

## I. Intergenerational equity

## Innovation

## 8 Private and public spending on research and development

## 1. Definition

Spending on research and development by industry, government and institutions of higher education expressed as a percentage of gross domestic product.

## 2. Data on the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1)</sup>
	<b>Private and public spending on research and development</b>	<b>in percent</b>											
1	Germany.....	2.47	2.19	2.45	2.46	2.49	2.52	2.49	2.49	2.53	2.53	2.68	2.80
2	Japan.....	2.96	2.91	3.04	3.12	3.17	3.20	3.17	3.32	3.40	3.44	3.44	...
3	USA.....	2.71	2.48	2.69	2.71	2.60	2.60	2.53	2.56	2.60	2.65	2.77	...
4	EU 27 2).....	–	1.80	1.86	1.86	1.87	1.86	1.83	1.82	1.85	1.85	1.92	2.01

## 3. Supplementary data

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1)</sup>
		<b>Euro mn</b>											
5	Spending on research and development (R&D) by sectors.....	37,848	40 460	50,619	52,002	53 364	54 539	54,967	55,739	58,779	61,482	66,532	67,015
6	Government and private non-profit sector.....	5,457	6,266	6,873	7,146	7,333	7,307	7,514	7,867	8,156	8,540	9,346	9,932
7	Higher education sector.....	6,145	7,378	8,146	8,524	9,080	9,202	9,089	9,221	9,475	9,908	11,112	11,808
8	Business sector.....	26,246	26,817	35,600	36,332	36,950	38,029	38,363	38,651	41,148	43,034	46,073	45,275
9	R&D expenditure in the public sector by disciplines.....	–	–	–	–	7,333	7,307	7,514	7,867	8,156	8,540	9,346	9,932
10	Natural sciences.....	–	–	–	–	3,471	3,394	3,554	3,636	3,820	4,054	4,574	4,604
11	Engineering sciences.....	–	–	–	–	2,080	2,075	2,118	2,320	2,281	2,405	2,521	2,708
12	Human medicine.....	–	–	–	–	487	490	461	483	520	562	605	792
13	Agricultural sciences.....	–	–	–	–	372	393	423	428	446	430	484	563
14	Humanities sciences.....	–	–	–	–	606	622	599	631	701	716	777	854
15	Social sciences.....	–	–	–	–	318	333	358	369	388	373	386	412

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1)</sup>
R&D activities in business by sectors		Euro mn											
Classification of economic sectors, 2003 edition (ES 2003)													
16	Vehicle construction.....	–	–	–	–	–	14,213	14,572	13,741	14,691	–	–	–
17	Office machinery and computers, electrical equipment.....	–	–	–	–	–	7,600	7,649	7,583	8,267	–	–	–
18	Chemical industry.....	–	–	–	–	–	6,349	6,320	6,363	7,066	–	–	–
19	Pharmaceutical industry.....	–	–	–	–	–	3,059	3,143	3,389	3,648	–	–	–
20	Mechanical engineering.....	–	–	–	–	–	3,760	3,811	4,130	4,255	–	–	–
Classification of economic sectors, 2008 edition (ES 2008)													
21	Manufacture of motor vehicles, trailers and semi-trailers.....	–	–	–	–	–	–	–	–	–	13,673	15,284	13,821
22	Manufacture of computers, electronic and optical products.....	–	–	–	–	–	–	–	–	–	7,485	7,970	7,149
23	Manufacture of chemicals and chemical products.....	–	–	–	–	–	–	–	–	–	3,143	3,226	3,198
24	Manufacture of pharmaceutical products and pharmaceutical preparations.....	–	–	–	–	–	–	–	–	–	3,312	3,414	3,896
25	Manufacture of machinery and equipment.....	–	–	–	–	–	–	–	–	–	4,414	4,671	4,499
Full-time equivalents <sup>3)</sup>		Full-time equivalents <sup>3)</sup>											
26	Personnel in research and development.....	–	459,138	484,734	480,606	480,004	472,533	470,729	475,278	487,935	506,450	522,687	534,565
27	Government and private non-profit sector.....	–	75,148	71,454	71,906	72,690	73,867	76,088	76,254	78,357	80,644	83,066	86,633
28	Higher education sector.....	–	100,674	100,790	101,443	104,714	100,594	96,092	94,522	97,433	103,953	106,712	115,441
29	Business sector.....	–	283,316	312,490	307,257	302,600	298,072	298,549	304,502	312,145	321,853	332,909	332,491

1) Some values estimated.

2) 1997 to 2009 estimation by Eurostat.

3) Including only those parts of working hours that are performed in research and development activities, added up to full-time working equivalents.

Source: OECD: Main science and technology indicators

Statistisches Bundesamt (Federal Statistical Office), Finanzstatistik, Fachserie 14, Reihe 3.6

Wissenschaftsstatistik GmbH im Stifterverband für die Deutsche Wissenschaft: Zahlen und Fakten aus der Wissenschaftsstatistik

#### 4. Further information

In German: Wissenschaftsstatistik GmbH im Stifterverband für die Deutsche Wissenschaft: FuE Datenreport 2009 - Analysen und Vergleiche, Essen 2010.

In German: Oltmanns, E., Bolleyer, R., Schulz, I.: Forschung und Entwicklung nach den Konzepten der Volkswirtschaftlichen Gesamtrechnungen; in: Wirtschaft und Statistik 2/2009, S. 125 ff.



I. Intergenerational equity  
Education and training

## 9a 18- to 24-year-olds without a school leaving certificate

### 1. Definition

Share of 18- to 24-year-olds (of all 18- to 24-year-olds) who currently do not attend any school or institution of higher education and are not in training and hold no qualifications from post-16 education or from the dual system of vocational training. Graduates of *Sekundarstufe I* (level 2 of the International Standard Classification of Education) who subsequently did not complete vocational training or did not qualify for university entrance or are no longer involved in the process of education are included. This incorporates those with and without a leaving certificate from a *Hauptschule* (the lowest of the three-tiered German secondary school system).

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
	18- to 24-year-olds without a leaving certificate from post-16 education and not in training	in percent											
1	Total.....	14.9	14.9	12.5	12.6	12.8	12.1	13.8	14.1	12.7	11.8	11.1	11.9
2	Male.....	14.2	14.6	12.2	12.6	12.9	12.2	13.5	14.4	13.5	12.4	11.5	12.7
3	Female.....	15.6	15.2	12.8	12.6	12.8	11.9	14.2	13.8	12.0	11.2	10.8	11.0
	18- to 24-year-olds without a leaving certificate from post-16 education and not in training	Number in 1,000											
4	Total.....	749	756	728	757	785	766	930	944	870	791	745	784
5	Male.....	356	372	356	377	393	388	456	489	468	422	390	423
6	Female.....	394	385	372	379	392	378	474	456	402	368	355	361

### 3. Supplementary data

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
	Graduates without university degree and school-leavers from general-education schools	Number											
7	Without a general school-leaving certificate ("Hauptschulabschluss").....	83,761	86,601	88,881	85,314	84,092	82,212	78,152	75,897	70,547	64,918	58,354	53,058
8	Male.....	53,833	56,041	56,779	54,395	53,481	52,565	49,756	47,857	44,248	39,872	35,505	32,351
9	Female.....	29,928	30,560	32,102	30,919	30,611	29,647	28,396	28,040	26,299	25,046	22,848	20,707
10	With a general school-leaving certificate .....	239,401	234,340	236,127	238,746	246,194	246,237	237,712	237,247	228,616	210,381	191,957	179,753
11	With intermediate school-leaving certificate (from "Realschule").....	374,295	372,810	376,545	377,011	384,008	419,790	398,749	398,176	392,637	373,503	361,380	350,856
12	With advanced technical college entrance qualification (for a "Fachschule").....	9,193	10,160	11,286	12,082	11,295	11,683	12,407	14,260	14,068	14,179	13,312	13,455
13	With general higher education entrance qualification.....	225,845	229,705	214,013	223,254	222,298	226,395	231,465	244,018	259,176	266,550	268,558	268,194

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
	Graduates without a leaving certificate and school-leavers in % of the same age resident population <sup>2) 3)</sup>	in % of the same age resident population											
14	Without a general school-leaving certificate ("Hauptschulabschluss").....	9.1	9.6	9.8	9.2	8.8	8.5	8.1	7.9	7.7	7.5	7.0	6.6
15	Male.....	11.4	12.1	12.2	11.4	10.9	10.5	10.0	9.7	9.4	9.0	8.3	7.8
16	Female.....	6.7	6.9	7.3	6.9	6.6	6.3	6.0	6.0	5.9	6.0	5.6	5.3
17	With a general school-leaving certificate .....	26.1	25.9	26.1	25.8	25.9	25.3	24.5	24.7	24.8	24.4	23.0	22.3
18	With intermediate school-leaving certificate (from "Realschule").....	40.8	41.2	41.6	40.7	40.3	43.2	41.1	41.4	42.6	43.4	43.5	43.5
19	With advanced technical college entrance qualification (for a "Fachschule").....	1.0	1.1	1.2	1.3	1.2	1.3	1.3	1.5	1.4	1.4	1.4	1.4
20	With general higher education entrance qualification.....	24.8	24.6	22.5	23.6	23.6	24.3	24.6	25.5	26.5	27.2	27.4	28.4
21	New apprenticeship contracts concluded 3) (Number).....	635,559	622,967	609,576	568,082	564,493	571,978	559,061	581,181	624,177	607,566	561,171	559,032

1) Preliminary results.

2) Rows 14 to 18: average of the 15- to under 17-years old residents by the 31.12. of the previous year,

rows 19 to 20: average of the 18- to under 21-years old residents by the 31.12. of the previous year.

3) Cut-off date: 31.12.2008 (Statistisches Bundesamt (Federal Statistical Office), Berufsbildungsstatistik (Statistic on vocational training). Because of new statistical concepts in 2007 the comparability of results before and after the change is restricted.

Source: Statistisches Bundesamt (Federal Statistical Office), Fachserie 11, Reihe 1 "Allgemeinbildende Schulen"

Statistisches Bundesamt (Federal Statistical Office), Fachserie 11, Reihe 3 "Berufsbildungsstatistik"

#### 4. Further information

In German: Statistische Ämter des Bundes und der Länder: Internationale Bildungsindikatoren im Ländervergleich

## I. Intergenerational equity

## Education and training

**9b 30- to 34-year-olds with a tertiary or post-secondary non-tertiary level of education****1. Definition**

Share of 30- to 34-year-olds (of all 30- to 34-year-olds) who have a university or college education (tertiary education according to International Standard Classification of Education (ISCED) Levels 5 and 6) or a comparable certificate (ISCED 4). Included among tertiary certificates are those attained from universities and universities of applied sciences (ISCED 5A/6) as well as from universities of applied administrative sciences, vocational and specialist academies, technical colleges and health care colleges (ISCED 5B). The indicator includes post-secondary non-tertiary certificates (ISCED 4). These are characterised by the fact that two certificates from post-16 education or from the dual system of vocational training can be acquired consecutively or simultaneously, e. g. *Abitur* (A-Level equivalent) from a night school, college or vocational/technical schools (this presupposes that a vocational certificate has already been attained) or a teacher training certificate following *Abitur* or two consecutive vocational training certificates.

**2. Data on the time series to the indicator**

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	<b>30- to 34-year olds with a tertiary or postsecondary level of education (ISCED 4,5A, 5B, 6) <sup>1)</sup></b>	<b>in percent</b>											
1	<b>Total postsecondary or tertiary (ISCED 4,5A, 5B, 6).....</b>	<b>33.4</b>	<b>33.0</b>	<b>33.2</b>	<b>33.3</b>	<b>33.9</b>	<b>36.2</b>	<b>36.0</b>	<b>36.5</b>	<b>37.6</b>	<b>38.8</b>	<b>40.7</b>	<b>41.3</b>
2	Male.....	35.2	35.0	35.2	35.2	35.5	37.7	37.0	36.5	37.3	37.9	39.2	40.0
3	Female.....	31.4	30.9	31.1	31.3	32.2	34.7	35.0	36.5	38.0	39.7	42.2	42.7
	<b>30- to 34-year olds with a tertiary level of education (ISCED 5A, 5B, 6)</b>	<b>in percent</b>											
4	<b>Total (ISCED 5A, 5B, 6).....</b>	<b>24.8</b>	<b>25.3</b>	<b>25.1</b>	<b>25.1</b>	<b>25.0</b>	<b>26.8</b>	<b>26.1</b>	<b>25.8</b>	<b>26.5</b>	<b>27.6</b>	<b>29.4</b>	<b>29.8</b>
5	Male.....	28.1	28.8	28.3	27.9	27.4	29.2	28.0	27.2	27.3	28.2	29.6	29.9
6	Female.....	21.4	21.8	21.7	22.1	22.5	24.3	24.1	24.4	25.7	27.0	29.2	29.7
	<b>30- to 34-year olds with a tertiary level of education in EU 27 (ISCED 5A, 5B,6)</b>	<b>in percent</b>											
7	<b>Total EU 27 (ISCED 5A, 5B,6).....</b>	<b>.</b>	<b>22.4</b>	<b>22.8</b>	<b>23.5</b>	<b>25.0</b>	<b>26.9</b>	<b>28.0</b>	<b>28.9</b>	<b>30.0</b>	<b>31.1</b>	<b>32.3</b>	<b>33.6</b>

**3. Supplementary data**

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
	<b>25- to 34-year olds with a tertiary level of education (ISCED 5A, 5B, 6)</b>	<b>in percent</b>											
8	<b>Total.....</b>	<b>21.6</b>	<b>22.3</b>	<b>21.8</b>	<b>21.7</b>	<b>21.8</b>	<b>22.9</b>	<b>22.5</b>	<b>22.0</b>	<b>22.6</b>	<b>23.9</b>	<b>25.6</b>	<b>26.1</b>
9	Male.....	23.3	24.0	23.3	23.0	22.7	23.3	22.9	21.6	21.9	23.0	24.4	24.8
10	Female.....	19.7	20.4	20.2	20.4	20.8	22.5	22.1	22.3	23.4	24.7	26.9	27.4
11	OECD-average of the 25- to 34-year-old university graduates 2)	16	.	18	19	20	24	24	25	26	27	28	...

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
University graduates in Germany		Number											
8	Total.....	221,696	214,473	208,123	208,606	218,146	230,940	252,482	265,704	286,391	309,364	338,656	361,697
	including:												
9	Engineering.....	42,335	39,270	37,056	36,147	36,702	37,257	39,407	40,914	44,050	48,751	52,968	59,249
10	Mathematics, natural sciences.....	32,537	30,379	28,768	29,288	30,486	34,159	39,693	43,093	47,915	53,622	58,287	63,497
11	Legal, economic and social sciences.....	72,038	69,750	68,321	69,810	75,759	81,711	87,338	90,601	97,504	99,642	115,094	119,392
12	Languages and arts.....	36,752	36,770	35,677	35,930	37,006	38,138	42,738	46,444	50,788	57,878	60,222	66,071
13	Human medicine.....	18,830	19,104	18,639	18,382	17,740	18,052	20,440	20,337	21,224	22,351	23,853	23,752
14	Arts.....	9,218	9,462	9,990	9,443	10,291	11,020	11,724	12,961	12,819	13,713	13,935	14,805
University graduates by field of study		in percent											
15	Engineering.....	19	18	18	17	17	16	16	15	15	16	16	16
16	Mathematics, natural sciences.....	15	14	14	14	14	15	16	16	17	17	17	18
17	Legal, economic and social sciences.....	32	33	33	33	35	35	35	34	34	32	34	33
18	Languages and arts.....	17	17	17	17	17	17	17	17	18	19	18	18
19	Human medicine.....	8	9	9	9	8	8	8	8	7	7	7	7
20	Arts.....	4	4	5	5	5	5	5	5	4	4	4	4
Share of foreigners ("Bildungsausländer") of the university graduates		in percent											
21	Foreigners.....	3.4	3.7	4.2	4.7	5.2	6.0	7.0	7.5	8.1	8.3	8.0	7.8
First year students as to degree programmes		in percent											
22	Bachelor's degree.....	0.7	1.8	3.2	5.1	7.5	12.4	24.0	39.4	56.9	66.0	69.4	69.7
23	Master's degree.....	0.3	0.7	1.1	1.3	1.4	1.6	1.9	2.3	2.3	2.9	3.0	3.6
24	Diploma and master's programmes 3).....	43.1	43.3	40.9	38.6	38.1	34.8	29.5	20.3	9.4	4.0	8.3	8.6
25	State examination and other 4).....	55.9	54.3	54.8	55.0	53.0	51.2	44.7	38.0	31.4	27.1	19.3	18.0
Average age of graduates completing their first degree		Year											
26	Total.....	28.3	28.2	28.2	28.1	27.9	27.9	27.8	27.7	27.6	27.5	27.1	26.9
27	Bachelor.....	–	30.5	27.8	26.1	25.8	26.0	25.8	25.8	25.8	25.8	25.5	25.4
28	Master.....	–	27.0	28.3	28.5	28.8	28.4	28.1	28.0	28.0	28.2	28.0	28.0
29	Diploma from university.....	28.3	28.3	28.3	28.2	28.1	28.1	28.1	27.9	27.9	27.9	27.7	27.8
30	Diploma from advanced technical college ("Fachhochschule").....	28.6	28.4	28.3	28.2	27.9	27.9	27.8	27.8	27.9	27.8	27.9	28.1

1) Results of Microcensus. - 2) Share of 25- to 34-year-old university graduates, according to (ISCED 5A/6); excluding universities of applied administrative sciences. - 3) Examinations for diploma and appropriate examinations, since academic year 2007 university degree (without teaching examinations) excluding bachelor and master degrees. - 4) Examinations for teaching degree, for a doctorate, other degrees, degree of arts, degree from advanced technical college ("Fachhochschule"); since academic year bachelor and master degrees from examination for arts or and from examinations.

Note on footnotes 3 and 4:

As of winter semester 2007/2008, the classification of examinations of higher education statistics was completely revised. In this context, the groups of examinations "Bachelor's degree" and "Master's degree" were deleted and the final examinations contained in them were allocated to other groups of examinations, e. g. "Bachelor's degree (U)" from "Bachelor's degree" to "University degree (without teaching examinations)".

Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus)  
Statistisches Bundesamt (Federal Statistical Office), Hochschulstatistik (University statistics)

#### 4. Further information

In German: Statistisches Bundesamt: Hochschulen auf einen Blick

In German: Statistische Ämter des Bundes und der Länder: Internationale Bildungsindikatoren im Ländervergleich

I. Intergenerational equity  
Education and training

## 9c Share of students starting a degree course

### 1. Definition

Number of first-semester students (from Germany and abroad, enrolled at institutions of higher education, excluding universities of applied administrative sciences) expressed as a percentage of the population of the appropriate university-entrance age.

The indicator shows how high the proportion of a demographic age group is that takes up studies at an institution of higher education. The quota is calculated according to the OECD standard in order to allow an international comparison.

### 2. Data on the time series of the indicator

No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
	<b>Share of students starting a degree course <sup>2)</sup></b>	<b>in percent</b>												
1	<b>Total.....</b>	<b>24.8</b>	<b>25.9</b>	<b>30.2</b>	<b>32.5</b>	<b>35.1</b>	<b>35.7</b>	<b>37.5</b>	<b>36.1</b>	<b>35.3</b>	<b>34.4</b>	<b>36.2</b>	<b>39.8</b>	<b>42.5</b>
2	Male.....	26.7	27.0	30.0	32.3	35.1	34.7	38.2	36.4	35.6	34.2	35.7	39.2	41.7
3	Female.....	22.8	24.7	30.5	32.7	35.3	36.8	37.0	35.9	35.1	34.6	36.8	40.3	43.4
4	OECD-average.....	.	.	44.9	46.8	50.6	52.5	53.0	54.4	56.0	56.0	55.9	59.3	...

### 3. Supplementary data

No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
	<b>Students starting a degree course as a national classification <sup>3)</sup></b>	<b>Number</b>												
5	<b>Total.....</b>	<b>279,631</b>	<b>262,407</b>	<b>314,956</b>	<b>344,830</b>	<b>358,946</b>	<b>377,504</b>	<b>358,870</b>	<b>356,076</b>	<b>344,967</b>	<b>361,459</b>	<b>396,800</b>	<b>424,273</b>	<b>443,035</b>
6	Male.....	155,395	137,063	159,954	174,523	177,152	195,656	183,746	182,177	174,500	181,401	199,781	212,553	223,711
7	Male (%).....	55.6	52.2	50.8	50.6	49.4	51.8	51.2	51.2	50.6	50.2	50.3	50.1	50.5
8	Female.....	124,236	125,344	155,002	170,307	181,794	181,848	175,124	173,899	170,467	180,058	197,019	211,720	219,324
9	Female (%).....	44.4	47.8	49.2	49.4	50.6	48.2	48.8	48.8	49.4	49.8	49.7	49.9	49.5
	<b>Students starting a degree course as a national classification <sup>3)</sup></b>	<b>in percent</b>												
10	<b>Total.....</b>	<b>25.5</b>	<b>26.8</b>	<b>33.5</b>	<b>36.1</b>	<b>37.1</b>	<b>38.9</b>	<b>37.1</b>	<b>37.0</b>	<b>35.7</b>	<b>37.1</b>	<b>40.3</b>	<b>43.3</b>	<b>46.0</b>
11	Male.....	26.6	26.6	33.4	35.9	35.9	39.5	37.2	37.1	35.5	36.6	39.9	42.5	45.0
12	Female.....	24.3	27.0	33.6	36.3	38.3	38.3	37.1	36.9	35.9	37.6	40.8	44.2	47.1

No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
	School-leavers with a higher education entrance qualification	Number												
13	Total.....	290,201	307,772	347,616	343,463	361,509	369,064	386,905	399,372	415,126	434,513	442,091	449,435	456,641
14	Of which advanced technical college entrance qualification.....	75,668	72,869	89,932	100,395	108,192	113,830	123,396	128,710	129,662	131,865	131,674	134,717	141,304
15	of which advanced technical college entrance qualification (%).....	26.1	23.7	25.9	29.2	29.9	30.8	31.9	32.2	31.2	30.3	29.8	30.0	30.9
16	Of which general higher education entrance qualification.....	214,533	234,903	257,684	243,068	253,317	255,234	263,509	270,662	285,464	302,648	310,417	314,718	315,337
17	Of which general higher education entrance qualification (%).....	73.9	76.3	74.1	70.8	70.1	69.2	68.1	67.8	68.8	69.7	70.2	70.0	69.1
18	Male.....	102,840	109,360	115,544	109,129	111,934	113,788	116,411	119,610	127,698	134,705	138,706	141,171	141,871
19	Male (%).....	47.9	46.6	44.8	44.9	44.2	44.6	44.2	44.2	44.7	44.5	44.7	44.9	45.0
20	Female.....	111,693	125,543	142,140	133,939	141,383	141,446	147,098	151,052	157,766	167,943	171,711	173,547	173,446
21	Female (%).....	52.1	53.4	55.2	55.1	55.8	55.4	55.8	55.8	55.3	55.5	55.3	55.1	55.0
	Average age of first-year students <sup>4)</sup>	Year												
22	Total .....	22.6	22.5	22.1	22.2	22.2	22.1	22.1	22.0	21.9	21.9	21.9	21.9	22.0
23	Of which education entrance qualification from Germany.....	.	.	21.8	21.8	21.9	21.7	21.7	21.6	21.5	21.5	21.6	21.6	21.6
24	Male.....	.	.	22.2	22.2	22.3	22.0	22.1	21.9	21.9	21.8	21.9	21.9	21.9
25	Female.....	.	.	21.4	21.5	21.4	21.4	21.3	21.2	21.2	21.1	21.3	21.3	21.4
26	Of which education entrance qualification from abroad.....	.	.	24.0	23.9	23.9	23.8	23.8	23.8	23.9	23.8	23.8	23.8	23.9

1) Preliminary results.

2) Calculated according to OECD-methodology (ISCED 5A); expressed as a percentage of the population of the appropriate university-entrance age; involved are German and foreign students starting a degree course, referring to the academic year starting in autumn; excluding universities of applied administrative sciences.

3) Calculated according to national classification, expressed as a percentage of the population of the appropriate university-entrance age; involved are German and foreign students starting a degree course, referring to the academic year starting in spring; universities of applied administrative sciences are included.

4) Calculation as to kind of higher education entrance qualification is given not until academic year of 1997.

Source: Statistisches Bundesamt (Federal Statistical Office), Schulstatistik (Statistics on schools of general education), Hochschulstatistik (University statistics)

#### 4. Further information

In German: Statistisches Bundesamt: Hochschulen auf einen Blick

In German: Statistische Ämter des Bundes und der Länder: Internationale Bildungsindikatoren im Ländervergleich

II. Quality of life  
Economic output

## 10 Gross domestic product per capita

### 1. Definition

Gross domestic product (GDP, price-adjusted, reference year 2005) per capita.

### 2. Data on the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
1	GDP (price-adjusted, reference year = 2005) (Euro bn).....	1,873.2	1,969.0	2,159.2	2,191.9	2,192.1	2,183.9	2,209.3	2,224.4	2,306.7	2,382.1	2,407.9	2,284.5	2,368.8
2	Inhabitants (in 1,000).....	79,984	81,661	82,188	82,340	82,482	82,520	82,501	82,464	82,366	82,263	82,120	81,875	81,757
3	<b>GDP (price-adjusted) per capita (Euro).....</b> <i>Specification: (3)= (1) / (2)</i>	<b>23,419</b>	<b>24,112</b>	<b>26,272</b>	<b>26,620</b>	<b>26,577</b>	<b>26,465</b>	<b>26,779</b>	<b>26,974</b>	<b>28,006</b>	<b>28,957</b>	<b>29,322</b>	<b>27,902</b>	<b>28,973</b>

### 3. Supplementary data

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
1991 = 100														
4	GDP (price-adjusted).....	100.0	105.1	115.3	117.0	117.0	116.6	117.9	118.8	123.1	127.2	128.5	122.0	126.5
5	Inhabitants.....	100.0	102.1	102.8	102.9	103.1	103.2	103.1	103.1	103.0	102.8	102.7	102.4	102.2
6	GDP (price-adjusted) per capita.....	100.0	103.0	112.2	113.7	113.5	113.0	114.3	115.2	119.6	123.6	125.2	119.1	123.7
2005 = 100														
Gross value added by industry (price-adjusted, chain volume index)														
7	Agriculture, hunting and forestry; fishing .....	119.0	78.5	84.2	80.7	80.0	82.4	110.3	100.0	94.9	128.5	135.2	131.3	158.2
8	Industry .....	97.4	93.3	98.0	98.0	95.9	95.9	99.0	100.0	105.9	110.4	108.4	91.0	98.8
9	Manufacturing .....	90.6	83.8	93.2	94.9	92.6	93.9	97.7	100.0	109.0	114.5	111.2	86.4	96.2
10	Services .....	75.5	83.8	95.0	97.6	98.9	98.5	99.1	100.0	103.0	106.4	109.1	107.9	110.3
11	Public and private service provider .....	80.4	88.7	97.3	97.4	99.1	99.4	99.2	100.0	101.3	102.0	104.9	107.1	108.8

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
Gross value added by industry (price-adjusted, reference year: 2005)		Euro bn												
12	Agriculture, hunting and forestry; fishing .....	19.1	12.6	13.6	13.0	12.9	13.3	17.7	16.1	15.3	20.7	21.8	21.1	25.4
13	Industry .....	572.6	548.7	576.2	575.8	563.5	563.8	581.7	587.8	622.3	648.6	636.9	535.0	580.6
14	Manufacturing .....	400.3	370.3	411.7	419.3	409.1	414.7	431.7	441.8	481.7	505.7	491.3	381.7	425.0
15	Services .....	1,058.7	1,175.4	1,332.1	1,369.1	1,387.6	1,381.7	1,389.7	1,402.5	1,444.8	1,492.6	1,530.5	1,513.5	1,546.9
16	Public and private service provider .....	286.3	316.0	346.6	347.0	352.9	354.1	353.4	356.1	360.6	363.3	373.6	381.3	387.4
Gross domestic product (price-adjusted, chained) per capita		2000 = 100												
17	Former territory of the Federal Republic including Berlin.....	92.3	91.6	100.0	100.9	100.4	99.8	100.8	101.6	105.0	107.8	109.0	103.9	108.0
18	New Länder without Berlin.....	57.8	88.8	100.0	101.8	103.8	105.3	107.9	109.0	113.6	117.1	118.5	115.5	118.7
19	Germany.....	87.7	91.1	100.0	101.1	100.9	100.6	101.9	102.7	106.3	109.2	110.5	105.6	109.6
Gross domestic product at current prices per capita		Euro												
20	Former territory of the Federal Republic including Berlin.....	21,841	24,302	26,768	27,319	27,556	27,745	28,300	28,701	29,771	31,125	31,779	30,714	32,098
21	New Länder without Berlin.....	7,330	14,720	16,878	17,433	18,069	18,478	19,110	19,392	20,322	21,420	21,956	21,650	22,384
22	Germany.....	19,186	22,636	25,095	25,664	25,984	26,221	26,798	27,190	28,246	29,569	30,214	29,278	30,566

1) Preliminary results for the year 2010, September 2011.

Source: Statistisches Bundesamt (Federal Statistical Office), Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4 und Reihe 1.1 (September 2011).

#### 4. Further information

In German: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen, Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4

In German: Statistische Ämter der Länder, Volkswirtschaftliche Gesamtrechnungen der Länder (AK VGRdL):

Reihe 1: Länderergebnisse; Band 1: Bruttoinlandsprodukt und Bruttowertschöpfung in den Ländern und Ost-West-Großraumregionen Deutschlands 1991 bis 2010, Stand: 30.07.2010

[http://www.vgrdl.de/Arbeitskreis\\_VGR/](http://www.vgrdl.de/Arbeitskreis_VGR/)



II. Quality of life  
Mobility

## 11a Intensity of goods transport

### 1. Definition

Intensity of goods transport = domestic goods transport performance (in tonne kilometres) / gross domestic product (price-adjusted).

The term transport covers any conveyance of items and all supplementary domestic services (including air transport). In addition to the freight transport performance, energy efficiency is considered (absolute energy consumption and energy consumption per tonne kilometre).

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
<b>1999 = 100</b>													
1	Goods transport performance 2).....	100.0	102.9	103.7	103.8	108.9	114.9	116.7	125.5	130.9	131.7	117.3	125.1
2	Gross domestic product (GDP) (price-adjusted).....	100.0	103.1	104.6	104.6	104.2	105.4	106.2	110.1	113.7	114.9	109.0	113.1
3	<b>Intensity of goods transport</b> ..... <i>Specification: (3)= (1) / (2)</i>	<b>100.0</b>	<b>99.8</b>	<b>99.1</b>	<b>99.2</b>	<b>104.5</b>	<b>109.0</b>	<b>109.9</b>	<b>114.0</b>	<b>115.1</b>	<b>114.6</b>	<b>107.6</b>	<b>110.6</b>
4	Energy consumption.....	100.0	100.1	100.7	100.5	101.8	103.5	101.1	106.6	108.0	108.0	98.2	103.0
5	Energy consumption per tonne kilometre.....	100.0	97.2	97.1	96.8	93.3	89.9	86.5	84.1	82.1	81.2	83.5	82.1

### 3. Supplementary data

no.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
<b>bn tonne kilometre</b>													
6	Goods transport performance 2).....	496.9	511.3	515.3	515.8	541.4	571.1	580.0	623.7	650.5	654.3	583.0	621.5
<b>petajoules</b>													
7	Energy consumption 3).....	631.5	632.0	635.9	634.9	642.8	653.8	638.4	673.1	682.3	682.0	619.9	650.7
<b>MJ/tkm</b>													
8	Energy consumption per tonne kilometre 3).....	1.31	1.28	1.27	1.27	1.22	1.18	1.14	1.10	1.09	1.07	1.10	1.08
9	Energy consumption per tonne kilometre - road traffic.....	1.64	1.62	1.60	1.60	1.51	1.47	1.41	1.36	1.36	1.33	1.35	1.34
10	Energy consumption per tonne kilometre - rail transport.....	0.58	0.52	0.53	0.49	0.47	0.45	0.46	0.44	0.42	0.40	0.39	0.38
11	Energy consumption per tonne kilometre - inland water transport.....	0.49	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.47	0.47	0.47	0.46
12	Energy consumption per tonne kilometre - air transport.....	11.71	11.73	11.66	11.39	11.32	10.86	11.09	11.00	x	x	x	x

no.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
bn tonne kilometre													
13	Goods transport performance from abroad total.....	–	2,537.7	2,426.6	2,500.6	2,535.5	2,750.3	2,774.0	3,036.0	3,193.1	2,855.1	x	x
14	Imports.....	–	1,916.0	1,841.5	1,868.3	1,875.3	2,064.4	2,046.1	2,234.9	2,397.3	2,214.1	x	x
15	Exports.....	–	621.6	585.0	632.2	660.2	685.9	728.0	801.1	795.8	641.0	x	x
mn tonnes													
16	Transported tonnes abroad total.....	–	870.4	857.4	875.5	922.4	976.2	989.5	1,055.7	1,081.6	960.2	x	x
17	Imports.....	–	554.5	538.8	543.9	574.7	594.9	599.1	640.3	648.1	598.2	x	x
18	Exports.....	–	315.9	318.7	331.6	347.7	381.3	390.4	415.4	433.5	362.0	x	x
1999 = 100													
19	Goods transport performance 2).....	100.0	102.9	103.7	103.8	108.9	114.9	116.7	125.5	130.9	131.7	117.3	125.1
20	Energy consumption 3).....	100.0	100.1	100.7	100.5	101.8	103.5	101.1	106.6	108.0	108.0	98.2	103.0
21	Energy consumption per tonne kilometre 3).....	100.0	97.2	97.1	96.8	93.3	89.9	86.5	84.1	83.2	81.7	83.8	82.1
22	Energy consumption per tonne kilometre - road traffic.....	100.0	98.7	97.7	97.6	92.2	89.6	85.9	83.2	82.8	81.2	82.6	82.1
23	Energy consumption per tonne kilometre - rail transport.....	100.0	90.7	91.3	85.1	81.5	78.5	79.8	76.0	72.1	69.4	68.3	65.2
24	Energy consumption per tonne kilometre - inland water transport.....	100.0	100.3	100.3	100.3	100.3	100.2	99.2	98.2	97.2	96.2	95.7	95.1
25	Energy consumption per tonne kilometre - air transport.....	100.0	100.2	99.6	97.3	96.7	92.7	94.7	93.9	x	x	x	x

1) Preliminary data

2) Goods transport performance on the territory of the Federal Republic of Germany (including air traffic).

3) Excluding air transport, transport via pipelines and by lorries with gross vehicle weight up to 3.5 tonnes.

Source: Bundesministerium für Verkehr, Bau- und Stadtentwicklung (Federal Ministry of Transport, Building and Urban Development (editor): Verkehr in Zahlen (Transport in Figures), 2011/2012  
Umweltbundesamt (Federal Environment Agency), TREMOD 5.24  
Statistisches Bundesamt (Federal Statistical Office)

#### 4. Further information

In German: Bundesministerium für Verkehr, Bau- und Stadtentwicklung (Hrsg.): Verkehr in Zahlen, 2011/2012

II. Quality of life  
Mobility

## 11b Intensity of passenger transport

### 1. Definition

Intensity of passenger transport = passenger transport performance (in passenger kilometres) / gross domestic product (price-adjusted).

The term transport covers any conveyance of persons and all supplementary domestic services (including air transport). In addition to the passenger transport performance, energy efficiency is considered (absolute energy consumption and energy consumption per passenger kilometre).

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
1999 = 100													
1	Passenger transport performance 2).....	100.0	98.9	101.0	101.1	100.9	103.3	102.9	104.0	104.4	105.2	105.8	106.7
2	Gross domestic product (GDP) (price-adjusted).....	100.0	103.1	104.6	104.6	104.2	105.4	106.2	110.1	113.7	114.9	109.0	113.1
3	<b>Intensity of passenger transport</b> ..... <i>Specification: (3) = (1) / (2)</i>	<b>100.0</b>	<b>96.0</b>	<b>96.5</b>	<b>96.6</b>	<b>96.8</b>	<b>97.9</b>	<b>97.0</b>	<b>94.5</b>	<b>91.8</b>	<b>91.5</b>	<b>97.1</b>	<b>94.4</b>
4	Energy consumption.....	100.0	99.8	100.8	100.9	99.8	100.9	99.3	99.0	98.4	97.0	97.1	94.6
5	Energy consumption per passenger kilometre.....	100.0	100.9	99.6	99.5	98.5	97.1	95.8	94.4	93.4	92.5	91.9	89.5

### 3. Supplementary data

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
bn passenger kilometres													
6	Passenger transport performance 2).....	1,056.5	1,045.1	1,066.7	1,068.1	1,066.1	1,091.2	1,087.6	1,099.0	1,102.6	1,111.4	1,118.2	1,127.8
7	Individual motorised traffic.....	866.7	849.6	872.0	880.3	875.6	887.1	875.7	882.6	883.4	888.5	898.7	904.7
8	Rail transport.....	73.8	75.4	75.8	70.8	71.3	72.9	76.8	79.0	79.1	82.5	82.2	84.0
9	Public road transport 3).....	76.2	77.3	77.0	75.7	75.8	82.8	82.5	81.8	81.3	79.6	78.9	77.5
10	Air transport (territorial concept).....	8.9	9.5	9.0	8.7	9.1	9.3	9.5	9.9	10.6	11.0	10.6	10.8

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
bn passenger kilometres													
11	Individual motorised traffic.....	866.7	849.6	872.0	880.3	875.6	887.1	875.7	882.6	883.4	888.5	898.7	904.7
	for purposes:												
12	Commuting.....	—	—	—	170.5	166.7	171.7	167.5	168.7	172.0	172.3	174.8	...
13	Education.....	—	—	—	17.2	17.3	17.7	17.5	17.4	17.2	17.0	17.5	...
14	Business.....	—	—	—	116.3	113.6	114.6	114.8	116.8	119.8	123.5	125.2	...
15	Shopping.....	—	—	—	163.1	162.7	166.2	164.2	163.7	160.6	159.6	161.2	...
16	Recreation.....	—	—	—	306.9	308.9	313.2	311.3	314.7	311.0	313.6	317.6	...
17	Conveyance of others.....	—	—	—	55.4	54.9	55.7	54.7	54.8	53.3	55.7	56.0	...
18	Holiday.....	—	—	—	50.9	51.5	48.1	45.6	46.6	49.6	46.8	46.4	...
1999 = 100													
19	Passenger transport performance .....	100.0	98.9	101.0	101.1	100.9	103.3	102.9	104.0	104.4	105.2	105.8	106.7
20	Individual motorised traffic.....	100.0	98.0	100.6	101.6	101.0	102.4	101.0	101.8	101.9	102.5	103.7	104.4
21	Rail transport.....	100.0	102.2	102.7	95.9	96.6	98.8	104.1	107.0	107.2	111.8	111.4	113.9
22	Public road transport 3).....	100.0	101.4	101.0	99.3	99.5	108.7	108.3	107.3	106.7	104.4	103.5	101.7
23	Air transport (territorial concept).....	100.0	106.7	101.1	97.8	102.2	104.0	106.6	111.0	119.3	123.0	118.7	121.2

1) Preliminary data.

2) Passenger transport performance on the territory of the Federal Republic of Germany (including air traffic).

3) Until 2003: only enterprises with six autobuses or more.

Source: Bundesministerium für Verkehr, Bau- und Stadtentwicklung (Federal Ministry of Transport, Building and Urban Development (editor): Verkehr in Zahlen (Transport in Figures), 2011/2012  
 Umweltbundesamt (Federal Environment Agency), TREMOD 5.24  
 Statistisches Bundesamt (Federal Statistical Office)

#### 4. Further information

In German: Bundesministerium für Verkehr, Bau- und Stadtentwicklung (Hrsg.): Verkehr in Zahlen, 2011/2012

II. Quality of life  
Mobility

## 11c, d Share of rail transport and inland freight water transport

### 1. Definition

Share of rail transport (11c) as well as share of inland freight water transport (11d) in the total domestic goods transport performance excluding local haulage by German lorries up to 50 km.

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
		in percent											
1	Share of rail transport in goods transport performance.....	16.5	17.2	16.6	16.6	16.5	16.9	17.2	17.8	18.4	18.4	17.2	18.0
2	Share of inland freight water transport in goods transport performance.....	13.5	13.8	13.3	13.1	11.3	11.7	11.6	10.7	10.4	10.2	10.0	10.5

### 3. Supplementary data

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
		bn tonne kilometres											
3	Goods transport performance without local transport (territorial concept) 2).....	465.1	481.5	486.8	489.8	515.6	545.2	554.4	599.9	622.6	627.7	556.5	595.0
4	Goods transport performance of rail transport (territorial concept) .....	76.8	82.7	81.0	81.1	85.1	91.9	95.4	107.0	114.6	115.7	95.8	107.3
5	Goods transport performance of inland water transport (territorial concept) .....	62.7	66.5	64.8	64.2	58.2	63.7	64.1	64.0	64.7	64.1	55.7	62.3
		1999 = 100											
6	Goods transport performance without local transport (territorial concept) 2).....	100.0	103.5	104.7	105.3	110.9	117.2	119.2	129.0	133.9	135.0	119.7	127.9
7	Goods transport performance of rail transport (territorial concept) .....	100.0	107.7	105.5	105.6	110.8	119.7	124.2	139.3	149.2	150.6	124.7	139.7
8	Goods transport performance of inland water transport (territorial concept) .....	100.0	106.1	103.3	102.4	92.8	101.6	102.2	102.0	103.2	102.2	88.8	99.3

1) Preliminary data.

2) Excluding local haulage by German lorries (up to 50 km).

Source: Bundesministerium für Verkehr, Bau- und Stadtentwicklung (Federal Ministry of Transport, Building and Urban Development (editor): Verkehr in Zahlen (Transport in Figures), 2011/2012

### 4. Further information

In German: Bundesministerium für Verkehr, Bau- und Stadtentwicklung (Hrsg.): Verkehr in Zahlen, 2011/2012

II. Quality of life  
Farming

## 12a Nitrogen surplus

### 1. Definition

Nitrogen surplus in kilogram per hectare of land used for agriculture, calculated from nitrogen input (from fertilisers, atmospheric deposition, biological nitrogen fixation, seed and plant material, feedstuff from domestic production and from imports) minus nitrogen output (through crop and animal market products leaving the agricultural sector).

The overall balance is calculated on the basis of the "farm-gate model". Nitrogen flows in the domestic cycle – with the exception of domestic feed production – are not shown.

The moving three-year average is calculated from the total balance of the given year, the previous year and the following year.

### 2. Data on the time series of the indicator

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Nitrogen surpluses in Germany in kg per ha agricultural land		kg/ha											
1	Moving three-year average 1).....	–	114	113	112	108	107	105	103	104	103	98	...
2	Year 2).....	149	118	120	105	110	110	100	106	102	102	105	87

### 3. Supplementary data<sup>2)</sup>

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Balance of nitrogen input and output for agricultural land		kg/ha											
3	Fertiliser.....	124.18	106.42	121.37	111.84	109.45	109.22	111.58	108.58	109.40	98.41	110.98	96.04
4	Mineral fertiliser.....	121.49	103.17	118.09	108.46	105.60	105.16	107.42	104.43	105.33	94.38	106.80	91.83
5	Farmyard manure.....	2.69	3.25	3.28	3.38	3.85	4.06	4.16	4.15	4.07	4.03	4.18	4.21
6	Atmospheric deposition (NOx).....	10.40	10.40	9.00	9.40	9.30	7.70	9.30	9.00	9.00	9.00	9.00	9.00
7	Biological N-fixation.....	15.20	13.12	12.80	13.00	12.78	12.65	12.33	12.49	12.44	12.07	11.68	11.72
8	Seeds.....	1.68	1.31	1.53	1.45	1.48	1.46	1.51	1.47	1.34	1.31	1.36	1.38
9	Animal feed (territorial concept).....	36.14	35.98	37.19	38.11	36.22	34.90	40.09	41.98	33.34	36.81	38.09	41.61
10	Feeding stuff from plants.....	9.19	10.39	11.02	10.65	11.26	10.88	12.62	12.82	14.16	15.12	13.43	16.87
11	Feeding stuff from animals.....	3.95	3.47	2.07	0.90	0.90	0.87	0.82	0.81	0.78	0.82	0.83	0.83
12	Primary feeding stuff as market products.....	23.00	22.12	24.10	26.56	24.06	23.15	26.65	28.35	18.40	20.87	23.83	23.91
13	Animal feed (imports).....	27.04	24.25	21.89	20.97	23.14	21.33	20.12	21.28	22.74	28.07	27.70	22.34
14	Input.....	214.64	191.48	203.78	194.77	192.37	187.26	194.93	194.80	188.26	185.67	198.81	182.09

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	Balance of nitrogen input and output for agricultural land	kg/ha											
15	Through crop.....	49.57	54.60	63.83	69.29	62.00	56.51	74.06	67.38	64.65	61.94	71.70	74.25
16	Animal market products.....	16.39	18.99	20.22	20.40	20.56	20.74	21.00	21.03	21.19	21.80	22.23	20.87
17	Meat.....	8.57	9.29	10.41	10.63	10.88	10.92	11.30	11.29	11.50	11.99	12.32	11.71
18	Other animal products.....	7.82	9.70	9.81	9.77	9.68	9.82	9.70	9.74	9.69	9.81	9.91	9.16
19	Output.....	65.96	73.59	84.05	89.69	82.56	77.25	95.06	88.41	85.84	83.74	93.93	95.12
20	Balance.....	149	118	120	105	110	110	100	106	102	102	105	87

1) The moving three-year average was calculated from the total balance in the given year, the previous year and the following year.

2) Data for 1990 partly uncertain, for 2008 and 2009 partly preliminary.

3) Due to methodological changes, the results are comparable only to a limited degree with data of previous publications. Due to the accuracy indicated in the tables, differences may occur in the subtotals.

Source: Institut für Pflanzenbau und Bodenkunde (Federal Research Centre for Cultivated Plants), Julius Kühn-Institut (JKI) and Institut für Landschaftsökologie und Ressourcenmanagement, Universität Gießen (Institute for Landscape Ecology and Resources Management, University of Gießen)

#### 4. Further information

In German: Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz (BMELV) zu Nährstoffbilanzen und Düngemitteln ([www.bmelv-statistik.de/de/statistischer-monatsbericht/a-landwirtschaft/#A11](http://www.bmelv-statistik.de/de/statistischer-monatsbericht/a-landwirtschaft/#A11)) ; [berichte.bmelv-statistik.de/MBT-0111260-0000.xls](http://berichte.bmelv-statistik.de/MBT-0111260-0000.xls) (Nährstoffbilanz insgesamt von 1990 bis 2009)

II. Quality of life  
Farming

## 12b Organic farming

### 1. Definition

Farmland of organic farms subject to the control procedure of the EU regulations on organic farming (EC Regulation No. 834/2007 and the implementing rules), as a proportion of all the land used for agriculture in Germany. It includes both the areas completely devoted to organic farming as well as those still under conversion.

### 2. Data on the time series of the indicator

No.	Specification	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		in percent												
1	Land used for organic farming as proportion of total farming land.....	1.6	1.8	3.2	3.7	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9

### 3. Supplementary data

No.	Specification	1994	1995 <sup>1)</sup>	2000	2001 <sup>2)</sup>	2002	2003	2004	2005 <sup>2)</sup>	2006	2007	2008	2009	2010
	Land use for organic farming <sup>3)</sup>	hectare												
2	Total.....	–	–	546,023	634,998	696,978	734,027	767,891	807,406	825,539	865,336	907,786	947,115	990,702
	Main types of landuse in the organically producing farms <sup>4)</sup>	hectare												
3	Arable land .....	–	–	–	293,466	–	348,795	–	377,596	–	411,551	–	–	427,600
4	Permanent crops 5) .....	–	–	–	7,593	–	8,189	–	8,970	–	10,770	–	–	–
5	Additionally cultivated plants (soft fruits, vine etc.) .....	–	–	–	–	–	–	–	–	–	–	–	–	44,253
6	Permanent grassland 6) .....	–	–	–	305,245	–	373,960	–	395,704	–	438,672	–	–	469,627
	Main types of landuse in the organically producing farms in % of the land used for organic farming	in percent												
7	Arable land .....	–	–	–	48.4	–	47.7	–	48.3	–	47.8	–	–	45.4
8	Permanent crops 5) .....	–	–	–	1.3	–	1.1	–	1.1	–	1.3	–	–	–
9	Additionally cultivated plants (soft fruits, vine etc.) .....	–	–	–	–	–	–	–	–	–	–	–	–	4.7
10	Permanent grassland 6) .....	–	–	–	50.3	–	51.2	–	50.6	–	50.9	–	–	49.9
	Agriculturally used area	thousand hectare												
11	Total 7) .....	–	17,246.0	–	16,977.6	–	17,008.0	–	17,035.2	–	16,954.3	–	16,954.3	16,704.0



No.	Specification	1994	1995 <sup>1)</sup>	2000	2001 <sup>2)</sup>	2002	2003	2004	2005 <sup>2)</sup>	2006	2007	2008	2009	2010
Main types of landuse in the whole agriculturally used area		hectare												
12	Arable land .....	–	11,814.9	–	11,779.6	–	11,826.9	–	11,903.3	–	11,877.0	–	–	11,846.7
13	Permanent crops 5) .....	–	204.0	–	206.6	–	205.7	–	197.8	–	197.9	–	–	–
14	Additionally cultivated plants (soft fruits, vine etc.) .....	–	–	–	–	–	–	–	–	–	–	–	–	413.4
15	Permanent grassland 6) .....	–	5,213.1	–	4,983.7	–	4,968.3	–	4,929.0	–	4,874.7	–	–	4,443.9
Main types of landuse in the whole agriculturally used area in % of the agriculturally used area		in percent												
16	Arable land .....	–	68.6	–	69.4	–	69.6	–	69.9	–	70.1	–	–	70.9
17	Permanent crops 5) .....	–	1.2	–	1.2	–	1.2	–	1.2	–	1.2	–	–	–
18	Additionally cultivated plants (soft fruits, vine etc.) .....	–	–	–	–	–	–	–	–	–	–	–	–	2.5
19	Permanent grassland 6) .....	–	30.3	–	29.4	–	29.2	–	28.9	–	28.8	–	–	26.6
Average size of farms		hectare												
20	Organic farms .....	–	–	–	52.2	–	52.7	–	57.7	–	59.5	–	–	59.3
21	Former territory of the Federal Republic of Germany .....	–	–	–	33.5	–	34.1	–	37.4	–	39.5	–	–	41.9
22	New Länder .....	–	–	–	185.9	–	185.8	–	182.3	–	179.2	–	–	166.8
23	Farms in total .....	–	31.0	–	38.1	–	40.4	–	42.9	–	45.3	–	–	55.8
24	Former territory of the Federal Republic of Germany .....	–	22.3	–	27.5	–	29.3	–	31.2	–	33.1	–	–	40.6
25	New Länder 8) .....	–	182.5	–	182.4	–	184.6	–	188.2	–	185.0	–	–	226.8
Land use for organic farming (EU-27)		thousand hectare												
26	Total (with a certificate as well as under conversion) 9) .....	–	–	–	–	–	–	–	6,475.8	6,881.7	7,265.9	7,785.3	8,600.9	...

1) Agricultural reporting.

2) For the total of agriculturally used area (in thousand hectare): representative.

3) Source: Federal Ministry of Food, Agriculture and Consumer Protection based on figures under EC Regulation No. 834/2007.

4) Source: Federal statistical Office, Agricultural Structural Survey 2007, holdings with organic farming (FS 3, R 2.2.1); for methodological reasons data on the total area of organic farming slightly differ from the data of the indicator.

5) Variable abandoned as from 2010 and replaced by new variable "other crops".

6) Without low yielding permanent grassland and permanent grassland excluded from production.

7) The difference of the total arable land, permanent crops and permanent grassland is caused in the position of gardens.

8) By 1999 including Berlin-Ost; from 2001 excluding Berlin.

9) Some values estimated by Eurostat (excluding Portugal). Source: Eurostat, March 2011 ([appsso.eurostat.ec.europa.eu/nui/show.do](http://appsso.eurostat.ec.europa.eu/nui/show.do)).

10) Census of agriculture 1999.

#### 4. Weiterführende Informationen

Organic farming in the EU: [epp.eurostat.ec.europa.eu/portal/page/portal/statistics/search\\_database](http://epp.eurostat.ec.europa.eu/portal/page/portal/statistics/search_database); Eurostat, Statistics in focus 10/2010

II. Quality of life  
Air quality

## 13 Air pollution

### 1. Definition

The following substances or substance classes are considered to be air pollutants for the purpose of this indicator: sulphur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), ammonia (NH<sub>3</sub>), non-methane volatile organic compounds (NMVOC).

Unweighted average of the indices of the four air pollutants referred to.

### 2. Data on the time series of the indicator

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
1990 = 100													
1	Total air pollutants 1)..... <i>Specification: (1)= unweighted average from (2+3+4+5)</i>	100	62.7	51.6	50.6	48.7	47.6	47.1	46.1	45.9	45.0	44.3	43.6
2	Sulphur dioxide (SO <sub>2</sub> ) .....	100	32.5	12.4	12.2	11.3	11.0	10.7	10.1	10.2	9.7	9.5	8.4
3	Nitrogen oxides (NO <sub>x</sub> ).....	100	75.1	64.9	62.2	59.0	57.0	55.8	53.7	53.8	51.7	49.8	46.5
4	Ammonia (NH <sub>3</sub> ).....	100	85.6	84.9	86.2	84.4	84.1	83.4	82.6	82.0	82.5	83.5	85.3
5	Non-methane volatile organic compounds (NMVOC).....	100	57.5	44.3	41.9	40.0	38.1	38.3	37.7	37.4	35.9	34.6	34.2

### 3. Supplementary data

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Thousand tonnes													
4	Sulphur dioxide (SO <sub>2</sub> ) .....	5,311.8	1,725.1	656.4	650.5	600.5	586.0	570.7	538.6	543.5	517.3	506.6	448.3
5	Nitrogen oxides (NO <sub>x</sub> ).....	2,942.3	2,208.6	1,910.9	1,829.7	1,737.3	1,675.6	1,643.0	1,581.5	1,584.0	1,521.2	1,465.2	1,367.2
6	Ammonia (NH <sub>3</sub> ).....	699.7	599.2	594.0	602.9	590.9	588.7	583.9	578.2	573.5	577.2	584.0	597.2
7	Non-methane volatile organic compounds (NMVOC).....	3,749.5	2,156.2	1,662.4	1,569.3	1,499.7	1,430.3	1,435.7	1,413.4	1,401.6	1,347.0	1,296.4	1,283.9

1) Average index of measurement data.

Source: Umweltbundesamt (Federal Environment Agency) 2011

### 4. Further Information

In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)  
[www.umweltbundesamt.de](http://www.umweltbundesamt.de)

II. Quality of life  
Health and nutrition

## 14a, b Premature mortality

### 1. Definition

Cases of death in the male (14a) and female (14b) under-65 population in relation to 100,000 inhabitants of the standardised population (of 1987) under 65 years, including those younger than one year. The calculation takes into account the fact that through demographic change in Germany there is an ever increasing number of people older than 65 and provides a comparable time series over the years.

### 2. Data on the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Deaths per 100,000 population below the age of 65 <sup>1)</sup>													
1	Total.....	295	267	228	222	219	216	206	203	197	194	192	189
2	Men.....	381	343	290	281	277	274	260	255	247	242	238	234
3	Women.....	200	181	158	154	153	150	145	144	141	139	139	137

### 3. Supplementary data

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Selected causes of death		in percent											
4	Diseases of the circulatory system.....	50.0	48.5	47.1	47.3	46.8	46.4	45.0	44.2	43.7	43.4	42.2	41.7
5	Neoplasms.....	23.1	24.1	25.1	25.1	25.0	24.5	25.6	25.5	25.7	25.6	25.6	25.3
6	Diseases of the respiratory system.....	5.9	6.1	6.2	5.9	6.4	6.8	6.4	7.0	6.7	7.0	7.0	7.4
7	Diseases of the digestive system.....	4.7	4.7	4.9	4.9	5.0	4.9	5.2	5.2	5.2	5.1	5.2	4.9
8	Fatalities of external causes.....	5.1	4.5	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.7	3.7	3.7

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Health expenditure		Euro mn											
9	Total .....	–	187,069	212,951	220,887	228,774	234,626	234,411	240,475	246,077	254,291	264,506	278,345
10	Including: medical services .....	–	51,405	57,058	58,860	60,363	62,173	63,837	64,066	66,199	68,649	71,617	75,939
11	Including: health prevention and public health services .....	–	7,454	7,507	7,872	8,244	8,716	8,820	8,943	9,254	10,142	10,703	11,135
12	Including: health promotion .....	–	4,008	3,874	4,024	4,204	4,477	4,507	4,666	4,900	5,852	6,113	6,250
13	Including: medical services (%) .....	–	27	27	27	26	26	27	27	27	27	27	27
14	Including: health care goods 2) .....	–	48,704	56,715	59,900	62,143	64,161	62,310	65,958	67,628	70,941	73,805	76,788
15	Including: pharmaceuticals .....	–	26,330	31,520	34,020	35,695	36,619	35,475	39,315	39,641	41,679	43,247	45,175
16	Including: therapeutic appliances .....	–	9,811	11,614	11,822	12,128	12,996	11,577	12,094	12,508	13,073	13,552	13,924
17	Including: health care goods (%) .....	–	26	27	27	27	27	27	27	27	28	28	28
18	Per inhabitant (Euro) .....	–	2,290	2,590	2,680	2,770	2,840	2,840	2,920	2,990	3,090	3,220	3,400
19	Share in the gross domestic product (%) .....	–	10.1	10.3	10.5	10.7	10.8	10.6	10.7	10.6	10.5	10.7	11.6

  

No.	Specification	1990-1992	1994-1996	1999-2001	2000-2002	2001-2003	2002-2004	2003-2005	2004-2006	2005-2007	2006-2008	2007-2009	2008-2010
Average life expectancy for newborns <sup>3)</sup>		years											
20	Male .....	72.9	73.3	75.1	75.4	75.6	75.9	76.2	76.6	76.9	77.2	77.3	77.5
21	Female .....	79.3	79.7	81.1	81.2	81.3	81.6	81.8	82.1	82.3	82.4	82.4	82.6

1) Standardised according to German population of 1987; including those under 1 year age.

2) Pharmaceuticals including bandage materials, therapeutic appliances, dentures and other medical products.

3) Life table 1990-92 for the former territory of the Federal Republic; from 1991-93 life table for Germany.

Source: Statistisches Bundesamt (Federal Statistical Office), Todesursachenstatistik (Causes of death statistics)  
 Statistisches Bundesamt (Federal Statistical Office), Gesundheitsausgabenrechnung (Health expenditure calculation)  
 Statistisches Bundesamt (Federal Statistical Office), Natürliche Bevölkerungsbewegung (Vital statistics)

#### 4. Further information

In German: Gesundheitsberichterstattung (GBE) ([www.gbe-bund.de](http://www.gbe-bund.de))

II. Quality of life  
Health and nutrition

## 14c, d Smoking rates amongst young people and adults

### 1. Definition

Proportion of polled 12- to 17-year-olds (proportion of adolescents who smoke, 14c) and the proportion of polled 15-year-olds and older (proportion of adults who smoke, 14d), who answered the questions in the microcensus on smoking behavior and occasionally or regularly smoke.

### 2. Data on the time series of the indicator

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Smoking rate</b>		<b>in percent</b>											
1	<b>Total (15 years and older) 1).....</b>	<b>28</b>	–	–	–	27	–	27	–	–	–	26	–
2	Men (15 years and older) 1).....	36	–	–	–	33	–	32	–	–	–	31	–
3	Women (15 years and older) 1).....	21	–	–	–	22	–	22	–	–	–	21	–
4	<b>Adolescents (12 to 17 years) 2).....</b>	–	–	28	–	23	23	20	–	18	15	–	13

### 3. Supplementary data

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Proportion of persons who smoke of those polled		in percent											
5	Total (15 years and older) 1).....	28.3	–	–	–	27.4	–	27.2	–	–	–	25.7	–
6	Of which: regular.....	24.3	–	–	–	24.3	–	23.2	–	–	–	21.9	–
7	Occasionally.....	4.0	–	–	–	3.2	–	4.0	–	–	–	3.8	–
8	Men (15 years and older) 1).....	35.6	–	–	–	33.2	–	32.2	–	–	–	30.5	–
9	Of which: regular.....	31.3	–	–	–	29.8	–	27.9	–	–	–	26.4	–
10	Occasionally.....	4.3	–	–	–	3.4	–	4.3	–	–	–	4.1	–
11	Women (15 years and older) 1).....	21.5	–	–	–	22.1	–	22.4	–	–	–	21.2	–
12	Of which: regular.....	17.8	–	–	–	19.1	–	18.8	–	–	–	17.6	–
13	Occasionally.....	3.7	–	–	–	3.0	–	3.7	–	–	–	3.5	–
14	<b>Adolescents (12 to 17 years) 2).....</b>	–	–	28	–	23	23	20	–	18	15	–	13
15	Of which: male.....	–	–	27	–	22	24	21	–	18	15	–	14
16	Female.....	–	–	28	–	23	23	19	–	17	16	–	12

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Fatalities by cancer which can be provoked from smoking <sup>3)</sup>		Number											
17	Total .....	38,935	40,553	40,053	40,715	40,865	41,342	42,217	42,348	43,005	43,830	43,638	...
18	Men.....	30,454	30,526	29,884	30,124	30,032	30,147	30,347	30,249	30,406	30,780	30,373	...
19	Women.....	8,481	10,027	10,169	10,591	10,833	11,195	11,870	12,099	12,599	13,050	13,265	...
		in percent of fatalities											
20	Total .....	4.4	4.8	4.8	4.8	4.8	5.1	5.1	5.2	5.2	5.2	5.1	...
21	Men.....	7.4	7.8	7.8	7.7	7.6	7.9	7.8	7.8	7.8	7.7	7.5	...
22	Women.....	1.8	2.2	2.3	2.3	2.4	2.6	2.7	2.8	2.9	2.9	3.0	...
Average age of deceased		Years											
23	Of all deceased.....	74.6	75.5	75.6	75.9	76.0	76.0	76.4	76.5	76.7	76.9	77.1	...
24	Of deceased by cancer which can be provoked from smoking 3).....	68.2	68.5	68.9	68.9	69.0	69.1	69.4	69.5	69.8	69.9	70.1	...

1) With refer to residents who answered the questions concerning the smoking behavior. Polls from 1992, 1995, 1999, 2003, 2005 and 2009 are available.

2) Polls from 1993, 1997, 2001, 2003 - 2005, 2007, 2008 and 2010 are available.

3) Lung, laryngeal and tracheal cancer.

Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus), Question on health problems

Bundeszentrale für gesundheitliche Aufklärung (Federal Centre of Health Education) (BZgA) – „Die Drogenaffinität Jugendlicher in Deutschland“ (1993 – 2001, 2004, 2008) (Data for adolescents (12 to 17 years)

Bundeszentrale für gesundheitliche Aufklärung (Federal Centre of Health Education) (BZgA) – „Rauchfrei, Förderung des Nichtrauchens bei Jugendlichen“ (2003, 2005, 2007) (Data for adolescents (12 to 17 years)

Bundeszentrale für gesundheitliche Aufklärung (Federal Centre of Health Education) (BZgA): Der Tabakkonsum Jugendlicher und junger Erwachsener in Deutschland 2010.

[www.bzga.de/forschung/studien-untersuchungen/studien/suchtpraevention/](http://www.bzga.de/forschung/studien-untersuchungen/studien/suchtpraevention/)

Statistisches Bundesamt (Federal Statistical Office), Todesursachenstatistik (Causes of death statistics)

#### 4. Further information

In German: Gesundheitsberichterstattung (GBE) ([www.gbe-bund.de](http://www.gbe-bund.de))

II. Quality of life  
Health and nutrition

## 14e Proportion of adults suffering from obesity

### 1. Definition

Proportion of obese adults (18 years and older), who have answered the questions on body weight and height and have a BMI (body mass index) of 30 and above, in the population of the same age. The BMI is calculated from the ratio of body weight in kilograms to height in metres squared. People with a BMI of 30+ are classified as obese according to the classification of the World Health Organisation (WHO). Age and gender are not taken into consideration.

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
in percent												
1	Total of obese people 1) .....	11.5	–	–	–	12.9	–	13.6	–	–	–	14.7
2	Obese men.....	12.1	–	–	–	13.6	–	14.4	–	–	–	15.7
3	Obese women.....	11.0	–	–	–	12.3	–	12.8	–	–	–	13.8

### 3. Supplementary data

No.	Specification	2009											
		Total				Men				Women			
		Of which with a body mass index from... to under ...				Of which with a body mass index from... to under ...				Of which with a body mass index from... to under ...			
		under 18,5	18,5 - 25	25 - 30	30 and over	under 18,5	18,5 - 25	25 - 30	30 and over	under 18,5	18,5 - 25	25 - 30	30 and over
Proportion of people by body mass index and age groups <sup>1)</sup>		in percent <sup>1)</sup>											
4	Total.....	2.1	46.5	36.7	14.7	0.7	39.2	44.4	15.7	3.4	53.7	29.1	13.8
at age from ... to under ... years													
5	18 - 20 .....	8.4	73.9	14.4	3.3	4.8	73.4	17.9	3.8	12.5	74.5	10.3	2.6
6	20 - 25 .....	5.8	70.7	18.6	4.9	2.6	68.8	23.3	5.4	9.4	72.9	13.4	4.3
7	25 - 30 .....	3.7	64.6	24.4	7.3	1.0	59.2	31.9	7.9	6.6	70.5	16.2	6.7
8	30 - 35 .....	2.6	57.3	30.2	9.8	0.6	48.1	39.8	11.5	4.8	67.1	20.0	8.0
9	35 - 40 .....	2.0	52.6	33.7	11.7	0.4	41.6	44.5	13.6	3.7	64.2	22.3	9.7
10	40 - 45 .....	1.6	50.5	35.3	12.6	0.3	39.3	45.9	14.5	2.9	62.9	23.6	10.5

No.	Specification	2009											
		Total				Men				Women			
		Of which with a body mass index from... to under ...				Of which with a body mass index from... to under ...				Of which with a body mass index from... to under ...			
		under 18,5	18,5 - 25	25 - 30	30 and over	under 18,5	18,5 - 25	25 - 30	30 and over	under 18,5	18,5 - 25	25 - 30	30 and over
11	45 - 50 .....	1.4	45.9	38.0	14.7	0.4	34.7	47.9	17.1	2.4	57.8	27.5	12.3
12	50 - 55 .....	1.2	41.9	39.8	17.1	0.4	31.8	48.8	19.0	2.1	52.2	30.5	15.2
13	55 - 60 .....	1.2	36.5	42.0	20.4	0.4	28.5	49.5	21.6	1.9	44.6	34.4	19.1
14	60 - 65 .....	0.9	34.1	44.2	20.8	/	26.4	51.1	22.3	1.4	41.8	37.4	19.3
15	65 - 70 .....	1.0	33.9	44.7	20.4	0.3	26.8	51.6	21.3	1.6	40.5	38.3	19.7
16	70 - 75 .....	0.9	31.2	46.6	21.3	0.3	25.8	52.9	21.0	1.3	36.1	40.9	21.6
17	75 and over .....	2.0	39.1	42.7	16.2	0.8	34.0	49.7	15.5	2.8	42.4	38.2	16.6

1) With refer to residents who answered the question concernig height and body weight.

Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus), Questions on health problems.

#### 4. Further information

In English: German Health Interview and Examination survey for Children and Adolescents - KIGGs (Robert Koch Institut) ([www.kiggs.de](http://www.kiggs.de))



II. Quality of life  
Crime

## 15 Criminal offences

### 1. Definition

Number of criminal offences reported each year to the police and recorded in der Police Crime statistics (*Polizeiliche Kriminalstatistik*) per 100,000 inhabitants (the frequency).

### 2. Data on the time series of the indicator

No.	Spezification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Reported cases per 100,000 population												
1	Offence rate.....	8,337	8,179	7,625	7,736	7,894	7,963	8,037	7,747	7,647	7,635	7,437	7,383	7,253

### 3. Supplementary data

No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Reported cases in 1,000												
2	Burglaries in home (435*) 1).....	227	211	140	134	130	123	124	110	106	109	108	114	121
3	Share of total crime (%)..... <i>Specification: (3) = (2) / (8) * 100</i>	3.4	3.2	2.2	2.1	2.0	1.9	1.9	1.7	1.7	1.7	1.8	1.9	2.0
4	Bodily injuri (2220) 1).....	88	96	117	120	127	133	140	147	151	155	151	149	143
5	Share of total crime (%)..... <i>Specification: (5) = (4) / (8) * 100</i>	1.3	1.4	1.9	1.9	2.0	2.0	2.1	2.3	2.4	2.5	2.5	2.5	2.4
6	Fraud accounted (5100) 1).....	528	623	771	793	788	876	942	950	954	913	888	956	968
7	Share of total crime (%)..... <i>Specification: (7) = (6) / (8) * 100</i>	7.8	9.3	12.3	12.5	12.1	13.3	14.2	14.9	15.1	14.5	14.5	15.8	16.3
8	Total crime (total offences).....	6,751	6,669	6,265	6,364	6,507	6,572	6,633	6,392	6,304	6,285	6,114	6,054	5,933

No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		1993 = 100												
9	Burglaries in home (435*) 1).....	100,0	93,0	61,7	58,9	57,3	54,3	54,7	48,3	46,7	48,1	47,7	50,1	53,4
10	Bodily injuri (2220) 1).....	100,0	109,1	133,2	137,1	144,6	151,1	159,2	167,6	171,9	176,4	172,3	170,1	162,8
11	Fraud accounted (5100) 1).....	100,0	117,9	146,0	150,1	149,2	165,8	178,2	179,8	180,6	172,8	168,0	180,9	183,2
12	Total crime (total offences).....	100,0	98,8	92,8	94,3	96,4	97,4	98,3	94,7	93,4	93,1	90,6	89,7	87,9

1) Code of the Police Crime Statistics.

Source: Bundeskriminalamt (Federal Criminal Police Office), 2011, Polizeiliche Kriminalstatistik (Police Crime Statistics)

#### 4. Further information

III. Social cohesion  
Employment

## 16a, b Employment rate

### 1. Definition

Share of the persons employed between 15 and 64 years (16a), and 55 and 64 years (16b) in the total population of the respective age group.

The EU Labour Force Survey covers the population living in private households, but excludes persons in shared housing. The working population consists of people who, during the week under survey engaged in some kind of activity for a least one hour for which they received compensation or who did not work because they were absent from their workplace temporarily.

### 2. Data on the time series of the indicator

No.	Age from ... to ...	Specification	1993	1995	2000	2001	2002	2003	2004	2005 <sup>1)</sup>	2006	2007	2008	2009	2010 <sup>2)</sup>
Employment rate in %															
1	15 - 64 years	Total.....	65.1	64.7	65.3	65.7	65.4	64.9	64.3	66.0	67.5	69.4	70.7	70.9	71.1
2		Of which: men.....	75.0	73.9	72.7	72.6	71.8	70.9	70.0	71.3	72.8	74.7	75.9	75.6	76.0
3		Women.....	55.0	55.3	57.8	58.7	58.8	58.9	58.5	60.6	62.2	64.0	65.4	66.2	66.1
4	55 - 64 years	Total.....	35.7	37.8	37.4	37.7	38.4	39.4	41.4	45.4	48.4	51.5	53.8	56.2	57.7
5		Of which: men.....	47.7	48.8	46.2	46.1	47.1	47.7	49.8	53.5	56.4	59.7	61.8	63.9	65.0
6		Women.....	23.9	27.0	28.7	29.3	29.8	31.2	33.1	37.5	40.6	43.6	46.1	48.7	50.5

### 3. Ergänzende Daten

No.	Age from ... to ...	Specification	1993	1995	2000	2001	2002	2003	2004	2005 <sup>1)</sup>	2006	2007	2008	2009	2010 <sup>2)</sup>
Employment rate in %															
7	15 - 24 years	Total.....	51.9	48.0	46.1	46.5	45.4	44.0	41.3	42.2	43.4	45.3	46.9	46.2	46.2
8		Of which: men.....	53.9	49.8	48.6	48.6	46.9	45.0	42.7	43.7	45.1	46.9	48.8	47.6	47.9
9		Women.....	49.8	46.2	43.6	44.3	43.8	43.0	39.8	40.7	41.6	43.5	45.0	44.7	44.6

No.	Age from ... to ...	Specification	1993	1995	2000	2001	2002	2003	2004	2005 <sup>1)</sup>	2006	2007	2008	2009	2010 <sup>2)</sup>
			Employment rate in %												
10	25 - 54 years	Total.....	76.8	76.9	79.3	79.4	78.8	78.1	77.2	78.2	79.4	80.9	81.8	81.6	81.5
11		Of which: men.....	88.0	87.3	87.4	86.9	85.7	84.4	83.1	83.7	84.9	86.4	87.2	86.2	86.5
12		Women.....	65.3	66.3	71.1	71.7	71.8	71.6	71.1	72.5	73.7	75.2	76.3	76.9	76.3

1) As 2005 yearly average and different data collection and projection method.

2) From 2010: Definition of the employment status adjusted to international provisions (modified treatment of persons who are absent from their workplace for more than three months). This slightly affects the comparability over time.

Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus)  
Statistical Office of the European Communities, Labour force survey, 2011

no.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Persons in employment in 1,000												
13	Total.....	36,380	36,048	36,604	36,816	36,536	36,172	35,659	36,566	37,344	38,163	38,734	38,662	38,938
14	Of which: men.....	21,296	20,939	20,680	20,629	20,336	19,996	19,681	20,135	20,477	20,890	21,188	20,972	21,049
15	Women.....	15,084	15,109	15,924	16,187	16,200	16,176	15,978	16,432	16,867	17,272	17,546	17,690	17,892
16	Total full-time employment.....	30,897	30,184	29,488	29,324	28,893	28,271	27,720	27,818	27,719	28,245	28,753	28,606	28,768
17	Of which: men.....	20,685	20,188	19,596	19,493	19,152	18,717	18,381	18,576	18,569	18,924	19,218	18,949	19,015
18	Women.....	10,212	9,996	9,893	9,831	9,741	9,554	9,339	9,242	9,149	9,321	9,536	9,656	9,755
19	Total part-time employment.....	5,483	5,864	7,115	7,492	7,643	7,901	7,939	8,748	9,625	9,918	9,981	10,057	10,171
20	Of which: men.....	611	751	1,084	1,136	1,184	1,279	1,301	1,558	1,907	1,967	1,971	2,023	2,036
21	Women.....	4,873	5,113	6,031	6,355	6,459	6,622	6,639	7,190	7,718	7,951	8,010	8,034	8,134

1) 1997 including an extrapolated 300 persons not indicated.

Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus)

#### 4. Further information

III. Social cohesion  
Prospects for families

## 17a, b All-day care provision for children

### 1. Definition

Share of children in all-day care (more than seven hours without publicly funded care in private homes) as percentage of all children from the respective age groups: 0- to 2-year-olds (17a) as well as 3- to 5-year-olds (17b). Data of survey: 1 (first) March.

### 2. Data on the time series of the indicator

no.	Specification	2006	2007	2008	2009	2010
		in percent				
1	All-day care for children aged 0- to 2-years.....	5.9	6.5	7.3	8.7	10.2
2	All-day care for children aged 3- to 5-years.....	22.0	24.2	26.9	29.7	32.1

### 3. Supplementary data

No.	Specification	2006		2007		2008		2009		2010	
		Number	%	Number	%	Number	%	Number	%	Number	%
	Children in institutional all-day care	Children aged 0- to 2-years in institutional all-day care									
3	Baden-Württemberg.....	4,968	1.7	6,209	2.2	7,564	2.7	9,420	3.4	12,373	4.5
4	Bayern (Bavaria).....	6,340	1.9	7,785	2.4	9,378	2.9	11,264	3.5	14,300	4.5
5	Berlin.....	16,611	19.4	17,593	20.3	18,688	21.0	20,941	22.7	22,767	24.0
6	Brandenburg.....	12,297	22.1	13,145	23.8	13,243	23.8	15,062	26.6	16,865	29.4
7	Bremen.....	436	2.7	583	3.6	747	4.6	828	5.1	1,020	6.2
8	Hamburg.....	4,129	8.9	4,645	9.9	5,023	10.4	6,016	12.3	7,194	14.6
9	Hessen (Hesse).....	4,654	2.9	6,212	3.9	8,017	5.1	9,824	6.3	13,285	8.5
10	Mecklenburg-Vorpommern (Mecklenburg-West Pomeria).....	6,937	18.1	7,095	18.7	7,433	19.7	8,474	22.1	9,325	24.0
11	Niedersachsen (Lower Saxony).....	2,668	1.3	3,303	1.6	4,182	2.1	5,749	2.9	7,310	3.8
12	Nordrhein-Westfalen (North-Rhine/Westphalia).....	11,171	2.4	12,509	2.7	16,273	3.6	21,048	4.7	24,659	5.5
13	Rheinland-Pfalz (Rhineland-Palatinate).....	2,664	2.6	3,185	3.2	3,896	4.0	5,034	5.2	6,614	6.9
14	Saarland.....	859	3.8	1,012	4.5	1,270	5.8	1,609	7.4	2,021	9.5
15	Sachsen (Saxony).....	19,646	20.1	20,852	21.2	22,330	22.6	25,921	25.7	29,731	29.0
16	Sachsen-Anhalt (Saxony-Anhalt).....	13,513	26.4	14,364	28.1	14,607	28.5	16,248	31.4	17,562	33.7
17	Schleswig-Holstein.....	1,207	1.7	1,377	1.9	1,643	2.4	2,097	3.0	2,898	4.2
18	Thüringen (Thuringia).....	15,436	30.4	15,117	30.1	15,688	31.3	18,036	35.5	19,738	38.4
19	Deutschland (Germany).....	123,536	5.9	134,986	6.5	149,982	7.3	177,571	8.7	207,662	10.2
20	Former territory of the Federal Republic without Berlin.....	39,096	2.3	46,820	2.8	57,993	3.5	72,889	4.4	91,674	5.6
21	New Länder without Berlin.....	67,829	23.1	70,573	24.1	73,301	25.0	83,741	28.1	93,221	30.8

No.	Specification	2006		2007		2008		2009		2010	
		Number	%	Number	%	Number	%	Number	%	Number	%
	Children in institutional all-day care	Children aged 3- to 5-years in institutional all-day care									
22	Baden-Württemberg.....	21,403	6.8	23,886	7.9	27,254	9.2	33,329	11.4	36,948	12.9
23	Bayern (Bavaria).....	59,873	16.8	65,269	18.9	68,257	20.1	71,528	21.4	74,820	22.8
24	Berlin.....	41,485	50.3	42,336	51.9	43,936	53.0	45,169	54.0	46,690	54.5
25	Brandenburg.....	25,151	43.8	26,712	46.8	28,316	49.3	29,864	52.1	31,019	54.3
26	Bremen.....	3,071	18.4	3,072	19.1	3,109	19.8	3,315	21.1	3,492	22.2
27	Hamburg.....	11,000	24.7	12,020	27.0	12,857	28.5	14,281	31.4	15,489	33.6
28	Hessen (Hesse).....	37,765	22.1	42,204	25.5	47,554	29.2	52,056	32.4	57,546	36.3
29	Mecklenburg-Vorpommern (Mecklenburg-West Pomeria).....	17,640	46.1	18,426	48.5	19,665	51.6	20,691	54.8	20,983	55.9
30	Niedersachsen (Lower Saxony).....	18,555	7.9	21,391	9.5	23,396	10.7	26,378	12.5	29,332	14.3
31	Nordrhein-Westfalen (North-Rhine/Westphalia).....	97,043	19.0	106,992	21.7	128,738	26.7	143,920	30.5	153,870	33.3
32	Rheinland-Pfalz (Rhineland-Palatinate).....	20,279	18.1	21,746	20.2	24,424	23.3	28,916	28.4	33,361	33.6
33	Saarland.....	3,701	14.8	3,848	16.1	4,425	18.9	5,147	22.6	5,746	25.7
34	Sachsen (Saxony).....	57,131	59.5	59,281	62.2	63,595	65.9	68,300	70.2	73,115	74.8
35	Sachsen-Anhalt (Saxony-Anhalt).....	26,921	50.6	27,354	53.1	27,799	54.5	28,435	56.4	29,274	58.0
36	Schleswig-Holstein.....	8,108	10.0	8,629	11.1	9,628	12.6	10,585	14.2	11,638	16.0
37	Thüringen (Thuringia).....	43,195	84.0	42,979	84.5	43,030	84.9	43,409	86.1	43,497	87.1
38	<b>Deutschland (Germany).....</b>	<b>492,321</b>	<b>22.0</b>	<b>526,145</b>	<b>24.2</b>	<b>575,983</b>	<b>26.9</b>	<b>625,323</b>	<b>29.7</b>	<b>666,820</b>	<b>32.1</b>
39	Former territory of the Federal Republic without Berlin.....	280,798	15.1	309,057	17.2	349,642	19.8	389,455	22.5	422,242	24.9
40	New Länder without Berlin.....	170,038	57.4	174,752	59.7	182,405	62.1	190,699	65.0	197,888	67.6

No.	Specification	2002	2006	2007	2008	2009	2010
		Number					
41	Children aged 6- to 13-years in institutional all-day care.....	—	99,389	105,964	113,330	123,650	131,654
42	Children aged 6- to 13-years in part-time care .....	—	660,466	668,111	656,821	650,952	643,993
43	Full-time pupils 1) in general education schools.....	873,935	1,484,462	1,718,740	1,925,296	2,106,520	...
44	Including: primary schools.....	133,506	399,666	499,591	566,103	625,518	...
		in percent					
45	Full-time pupils in general education schools.....	9.8	17.6	20.9	24.0	26.9	...
46	Including: primary schools.....	4.2	12.7	16.2	18.9	21.5	...
		Number					
47	Live births 2).....	719 250	672 724	684 862	682 514	665 126	677 945

1) Information from the Kultusministerkonferenz. - 2) Preliminary results for the year 2010.

Source: Statistisches Bundesamt (Federal Statistical Office), Statistik der Kindertagesbetreuung (Statistics of child care), Bevölkerungsstatistik (Population statistics)  
Sekretariat der Kultusministerkonferenz (Secretariat of the Standing Conference of Länder Ministers of Education)

#### 4. Further information

In German: Statistische Ämter des Bundes und der Länder: Demografischer Wandel; Heft 3: Auswirkungen auf Schülerzahlen und Kindertagesbetreuung im Bund und in den Ländern

III. Social cohesion  
Equal opportunities

## 18 Gender pay gap

### 1. Definition

Difference between average gross hourly wages of women and men expressed as percentage of men's earnings.

### 2. Data on the time series of the indicator

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		in percent											
1	Difference between average gross hourly wages of women and men in percent of men's earnings 1).....	21	21	21	22	23	23	22	23	23	23	23	23

### 3. Supplementary data

No.	Specification	2007			2008			2009			2010		
		Men	Women	Share of women <sup>2)</sup>	Men	Women	Share of women <sup>2)</sup>	Men	Women	Share of women <sup>2)</sup>	Men	Women	Share of women <sup>2)</sup>
		Euro		%	Euro		%	Euro		%	euro		%
	Average gross monthly earnings of employees by selected economic sectors including:												
2	Health and social work.....	3,620	2,599	77.7	3,702	2,655	77.5	3,827	2,744	77.4	3,883	2,784	77.4
3	Clothing industry.....	3,420	2,148	74.9	3,502	2,231	74.5	3,575	2,286	74.2	3,764	2,365	74.9
4	Retail sales.....	2,699	2,106	71.4	2,760	2,140	71.7	2,773	2,171	71.6	2,809	2,211	71.5
5	Mechanical engineering.....	3,550	2,862	17.8	3,615	2,945	17.5	3,432	2,843	17.4	3,636	3,002	17.4
6	Vehicle manufacturing.....	3,696	3,027	13.9	3,809	3,139	13.9	3,641	3,085	13.7	3,948	3,335	13.7
7	Construction work.....	2,577	2,358	15.1	2,649	2,421	15.2	2,669	2,467	15.2	2,690	2,532	15.4

1) Because of changes to the applied method made in 2002 and 2006, the gender pay gap probably rose by one percentage point in each of these years.

2) Share of women in employed persons.

Source: Statistisches Bundesamt (Federal Statistical Office), Verdiensterhebung (Earnings survey)

### 4. Further information

In German: Claudia Finke: Verdienstunterschiede zwischen Männern und Frauen - eine Ursachenanalyse auf Grundlage der Verdienststrukturerhebung 2006, in: Statistisches Bundesamt, Wirtschaft und Statistik, 1/2011, S. 36 ff. Statistisches Bundesamt: Qualität der Arbeit, Wiesbaden 2010.

III. Social cohesion  
Integration

## 19 Foreign school leavers with a school leaving certificate

### 1. Definition

Share of foreign school leavers from general schools with school leaving certificates (at least the *Hauptschule* certificate) in all foreign school leavers in the year under review.

### 2. Data on the time series of the indicator

no.	Specification	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
		in percent										
1	Share of foreign school leavers with a school leaving certificate.....	80.3	80.1	79.8	80.6	80.9	81.9	82.6	83.2	84.0	85.0	86.2
	of which:											
2	Foreign school leavers with Hauptschule leaving certificate.....	43.6	40.2	39.6	40.9	41.6	40.9	41.4	41.7	41.7	40.2	38.9
3	Foreign school leavers with Realschule leaving certificate.....	27.5	28.9	28.9	28.8	29.1	30.8	31.2	30.8	31.3	32.6	34.4
4	Foreigners with university or university applied sciences entrance certification.....	9.2	11.0	11.4	10.9	10.2	10.2	10.1	10.8	11.0	12.3	12.9

### 3. Supplementary data

No.	Specification	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
		in percent										
5	Share of german school leavers with a school leaving certificate.....	92.3	91.7	91.3	91.8	92.1	92.6	92.8	93.0	93.6	93.8	94.2
	of which:											
6	German citizens with Hauptschule leaving certificate.....	24.9	23.7	24.2	24.1	24.5	23.5	23.2	22.8	21.9	20.8	19.7
7	German citizens with Realschule leaving certificate.....	40.6	40.9	41.7	41.3	41.6	43.7	42.6	42.1	41.6	41.0	41.1
8	German citizens with university or university of applied sciences entrance certification.....	26.7	27.0	25.5	26.4	26.0	25.4	27.0	28.2	30.0	32.1	33.5



No.	Specification	2006								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
		Number								
9	School leavers.....	969,598	495,349	474,249	882,669	450,133	432,536	86,929	45,216	41,713
10	Without any school leaving certificate .....	75,897	47,857	28,040	61,331	38,905	22,426	14,566	8,952	5,614
11	With Hauptschule leaving certificate .....	237,247	136,985	100,262	201,014	117,593	83,421	36,233	19,392	16,841
12	With Realschule leaving certificate .....	398,176	196,690	201,486	371,434	183,916	187,518	26,742	12,774	13,968
13	With entrance qualification for a university of applied sciences .....	14,260	6,677	7,583	12,977	6,129	6,848	1,283	548	735
14	With general university entrance qualification .....	244,018	107,140	136,878	235,913	103,590	132,323	8,105	3,550	4,555

No.	Specification	2 008								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
		Number								
	School leavers.....	929,454	470,861	458,593	842,466	426,453	416,013	86,988	44,408	42,580
15	Without any school leaving certificate .....	64,918	39,872	25,046	51,906	32,002	19,904	13,012	7,870	5,142
16	With Hauptschule leaving certificate .....	210,307	120,597	89,710	175,346	101,862	73,484	34,961	18,735	16,226
17	With Realschule leaving certificate .....	373,500	186,666	186,834	345,144	173,452	171,692	28,356	13,214	15,142
18	With entrance qualification for a university of applied sciences .....	14,179	6,538	7,641	12,820	5,966	6,854	1,359	572	787
19	With general university entrance qualification .....	266,550	117,188	149,362	257,250	113,171	144,079	9,300	4,017	5,283

No.	Specification	2 009								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
		Number								
20	School leavers.....	893,560	450,769	442,791	809,769	408,067	401,702	83,791	42,702	41,089
21	Without any school leaving certificate .....	58,354	35,505	22,849	46,752	28,610	18,142	11,602	6,895	4,707
22	With Hauptschule leaving certificate .....	191,956	110,085	81,871	159,375	92,726	66,649	32,581	17,359	15,222
23	With Realschule leaving certificate .....	361,380	179,888	181,492	332,561	166,083	166,478	28,819	13,805	15,014
24	With entrance qualification for a university of applied sciences .....	13,312	6,383	6,929	12,053	5,809	6,244	1,259	574	685
25	With general university entrance qualification .....	268,558	118,908	149,650	259,028	114,839	144,189	9,530	4,069	5,461

No.	Specification	2000		2005		2006		2007		2008		2009	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
26	Foreign citizens in Germany.....	7,267,568	8.8	7,289,149	8.8	7,255,949	8.8	7,255,395	8.8	7,185,921	8.8	7,130,100	8.7
	including:												
27	Foreign citizens in general schools	950,486	9.5	929,531	9.8	897,740	9.6	852,663	9.3	805,979	8.9	766,121	<b>8.6</b>
28	Foreign citizens in vocational schools.....	204,828	7.6	188,538	6.8	186,827	6.7	189,339	6.8	195,972	7.0	202,418	<b>7.3</b>

Source: Statistisches Bundesamt (Federal Statistical Office), Schulstatistik (Statistics on schools of general education), Bevölkerungsstatistik (Demographic statistics)

#### 4. Further information

In German: Statistisches Bundesamt: Allgemeinbildende Schulen, Fachserie 11, Reihe 1

In German: Statistisches Bundesamt: Berufliche Schulen, Fachserie 11, Reihe 2

In German: Statistisches Bundesamt: Bevölkerung und Erwerbstätigkeit, Fachserie 1, Reihe 1.3

In German: Konsortium Bildungsberichterstattung: Bildung in Deutschland 2010

In German: Konsortium Bildungsberichterstattung: Bildung in Deutschland 2006; enthält u.a eine Analyse zu Bildung und Migration

In German: Daniela Nold: Sozioökonomischer Status von Schülerinnen und Schülern 2008 - Ergebnisse des Mikrozensus, in: Statistisches Bundesamt, Wirtschaft und Statistik 2/2010, S. 138 ff.

## IV. International responsibility

## Development cooperation

**20 Share of expenditure for official development assistance in gross national income****1. Definition**

Share of the expenditures for official development assistance (ODA) in gross national income.

ODA mainly includes expenditure for the financial and technical cooperation with developing countries as well as contributions to multilateral institutions for development cooperation (such as the United Nations, European Union, World Bank, regional development banks). Furthermore, waivers of debt as well as costs of specific development assistance provided in the donor countries, such as cost of studies for students from developing countries or expenditure for development-specific research are attributable to ODA.

The data are taken from the yearly report to the Development Assistance Committee of the OECD.

**2. Data on the time series of the indicator**

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
Euro bn													
1	Expenditure for official development assistance (ODA).....	5.5	5.5	5.6	5.6	6.0	6.1	8.1	8.3	9.0	9.7	8.7	...
2	Gross national income (GNI) 2).....	1,791.8	2,020.3	2,065.6	2,108.8	2,118.2	2,196.7	2,251.2	2,335.0	2,447.4	2,531.9	2,444.0	...
in percent													
3	<b>Share of expenditure for ODA in gross national income .....</b> <i>Specification: (3)= (1) / (2)</i>	<b>0.31</b>	<b>0.27</b>	<b>0.27</b>	<b>0.27</b>	<b>0.28</b>	<b>0.28</b>	<b>0.36</b>	<b>0.36</b>	<b>0.37</b>	<b>0.38</b>	<b>0.35</b>	<b>0.39</b>

**3. Supplementary data**

no.	Specification	2006	2007	2008	2009	2010 <sup>1)</sup>
US-\$ bn						
Donor countries with highest expenditure for ODA (ranking according to 2010)						
4	USA.....	23.53	21.79	26.44	28.83	30.15
5	Great Britain.....	12.46	9.85	11.50	11.28	13.75
6	France.....	10.60	9.88	10.91	12.60	12.92
7	Germany.....	10.43	12.29	13.98	12.08	12.72
8	Japan.....	11.14	7.70	9.60	9.46	11.05
9	Netherlands.....	5.45	6.22	6.99	6.43	6.35
10	Spain.....	3.81	5.14	6.87	6.58	5.92
11	Canada.....	3.68	4.08	4.79	4.00	5.13
12	Norway.....	2.95	3.73	4.01	4.09	4.58
13	Sweden.....	3.95	4.34	4.73	4.55	4.53

no.	Specification	2006	2007	2008	2009	2010 <sup>1)</sup>
	Donor countries with highest shares of ODA in GNI (ranking according to 2010)	in percent				
14	Norway.....	0.89	0.95	0.89	1.06	1.10
15	Luxembourg.....	0.89	0.92	0.97	1.01	1.09
16	Sweden.....	1.02	0.93	0.98	1.12	0.97
17	Denmark.....	0.80	0.81	0.82	0.88	0.90
18	Netherlands.....	0.81	0.81	0.80	0.82	0.81
19	Belgium.....	0.50	0.43	0.48	0.55	0.64
20	Great Britain.....	0.51	0.36	0.43	0.51	0.56
21	Finland.....	0.40	0.39	0.44	0.54	0.55
22	Ireland.....	0.54	0.55	0.59	0.54	0.53
23	France.....	0.47	0.38	0.39	0.47	0.50

No.	Specification	2002	2003	2004	2005	2006	2007	2008	2009
		in percent							
24	Official development assistance by sectors.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Bilateral.....	62.5	59.8	50.7	73.9	67.4	64.7	64.8	58.8
26	Subsidies.....	73.3	69.8	59.9	81.8	72.6	65.8	67.2	55.9
27	Technical cooperation.....	33.4	33.9	33.0	28.4	29.9	28.7	29.9	37.4
28	Subsidies of financial cooperation.....	10.5	8.9	8.5	8.1	7.3	7.6	8.2	10.4
29	Development-oriented food aid.....	0.4	0.4	0.3	0.2	0.2	0.4	0.4	0.5
30	Emergency and refugee aid.....	4.2	2.7	2.7	3.3	3.4	2.3	2.2	3.1
31	Waivers of debt.....	19.5	19.7	10.8	38.7	28.9	24.4	23.5	1.2
32	Administrative expenses.....	4.6	3.5	3.3	2.0	2.2	2.1	2.1	2.4
33	Other.....	0.6	0.8	1.3	0.9	0.7	0.3	0.9	0.9
34	Loan/participation.....	-10.8	-10.0	-9.2	-7.9	-5.2	-1.1	-2.4	2.9
35	Multilateral.....	37.5	40.2	49.3	26.1	32.6	35.3	35.2	41.2
36	Subsidies and payment by capital shares.....	37.5	40.2	49.3	26.1	32.6	35.3	35.2	41.2
37	United Nations.....	8.2	3.9	4.3	2.0	2.1	2.2	2.1	3.0
38	European Union.....	23.6	23.6	25.0	21.9	20.6	20.0	20.1	23.9
39	World Bank.....	0.4	7.2	15.2	0.0	5.7	8.9	8.1	8.5
40	Regional development banks.....	3.7	2.2	2.3	0.5	2.9	1.5	1.9	2.3
41	Other.....	1.5	3.3	2.5	1.8	1.3	2.7	2.9	3.5

1) 2010 preliminary results. - 2) GNI as of May of following year. Therefore diverging from SNA results.

Source: Statistisches Bundesamt (Federal Statistical Office), Statistik der Entwicklungszusammenarbeit (Statistics for development assistance)  
Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung (Federal Ministry for Economic Cooperation and Development)  
OECD

#### 4. Further information

OECD: Development Aid at a Glance, yearly call over [www.oecd.org](http://www.oecd.org)

## IV. International responsibility

## Opening markets

**21 German imports from developing countries****1. Definition**

Value of the imports from developing countries into Germany excluding imports from the so-called advanced developing countries, but including the European developing countries, such as Albania, Belarus or Turkey. The classification of developing country is based on the DAC list of Aid Recipients prepared by the Development Assistance Committee of the OECD.

**2. Data on the time series of the indicator**

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
Euro bn													
1	German imports from developing countries.....	40.9	70.0	71.5	70.9	73.8	87.5	104.3	126.6	140.2	152.0	128.4	166.3
2	From ACP countries including the least developed ACP countries 2).....	4.2	6.2	7.2	6.6	6.7	6.2	7.0	9.6	10.4	11.2	8.8	11.2
3	From other developing countries.....	36.7	63.8	64.3	64.3	67.1	81.2	97.3	117.0	129.8	140.8	119.6	155.1

**3. Supplementary data**

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1)</sup>
Euro bn													
4	Total german imports.....	339.6	538.3	542.8	518.5	534.5	575.4	628.1	734.0	769.9	805.8	664.6	806.2
5	Including: from developing countries.....	40.9	70.0	71.5	70.9	73.8	87.5	104.3	126.6	140.2	152.0	128.4	166.3
6	In Africa.....	5.9	9.2	9.2	8.6	8.4	11.1	13.8	16.7	16.5	20.7	14.2	17.0
7	In Central und South America.....	7.6	10.1	10.0	9.4	10.1	11.4	13.9	18.0	21.3	23.3	17.7	21.7
8	In Asia.....	19.9	40.2	41.0	41.5	46.4	55.1	64.8	78.1	86.9	93.1	84.1	112.7
9	including: China.....	8.2	18.6	19.9	21.3	25.7	32.8	40.8	50.0	56.4	60.8	56.7	76.5
10	In Oceania.....	0.2	0.2	0.2	0.1	0.3	0.3	0.4	0.6	0.9	0.4	0.3	0.3
11	In Europe.....	7.1	10.4	11.0	11.2	8.7	9.6	11.5	13.1	14.6	14.5	12.1	14.6
in percent													
12	Total german imports.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
13	Including: from developing countries.....	12.0	13.0	13.2	13.7	13.8	15.2	16.6	17.2	18.2	18.9	19.3	20.6
14	In Africa.....	1.7	1.7	1.7	1.7	1.6	1.9	2.2	2.3	2.1	2.6	2.1	2.1
15	In Central und South America.....	2.3	1.9	1.8	1.8	1.9	2.0	2.2	2.5	2.8	2.9	2.7	2.7
16	In Asia.....	5.9	7.5	7.6	8.0	8.7	9.6	10.3	10.6	11.3	11.6	12.7	14.0
17	including: China.....	2.4	3.4	3.7	4.1	4.8	5.7	6.5	6.8	7.3	7.5	8.5	9.5
18	In Oceania.....	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
19	In Europe.....	2.1	1.9	2.0	2.2	1.6	1.7	1.8	1.8	1.9	1.8	1.8	1.8

No.	Specification	2009	
		Imports from developing countries	Share in total imports
		Euro mn	%
	German Imports from developing countries by groups of goods according to production statistics		
20	Products of agriculture and hunting.....	7,379.6	35.0
21	Products of forestry.....	64.8	14.8
22	Fish and products of fishing.....	24.0	5.5
23	Coal and lignite.....	758.5	22.7
24	Crude petroleum and natural gas.....	10,819.8	19.7
25	Metal ores.....	2,975.8	70.0
26	Other mining and quarrying products.....	180.5	15.7
27	Food products.....	6,272.2	19.4
28	Beverages.....	279.7	6.3
29	Tabacco products.....	40.7	4.4
30	Textiles.....	2,891.2	36.2
31	Wearing apparel.....	16,244.4	73.7
32	Leather and related products.....	4,213.4	60.5
33	Wood and products of wood and cork, except furniture; articles of straw.....	869.7	20.8
34	Pulp, paper and paperboard.....	831.1	6.9
35	Coke and refined petroleum products.....	645.9	4.2
36	Chemicals and chemical products.....	3,654.5	7.2
37	Pharmaceuticals and pharmaceutical products.....	1,288.7	3.6
38	Rubber and plastic products.....	2,341.5	13.2
39	Glass, non-refractory ceramic goods, treated stone and earth.....	1,269.5	18.6
40	Basic metals.....	4,171.7	12.2
41	Fabricated metal products.....	3,266.8	19.1
42	Office machinery and computers.....	27,051.0	37.1
43	Electrical machinery and apparatus.....	7,014.1	23.1
44	Machinery and equipment.....	7,916.0	15.1
45	Motor vehicles, trailers and semi-trailers.....	5,112.4	7.9
46	Other transport equipment.....	3,046.2	9.7
47	Furniture.....	1,924.0	24.3
48	Electricity.....	0.0	0.0
49	Other goods.....	5,828.2	12.2
50	Total.....	128,375.8	19.3

1) 2010 preliminary results.

2) ACP = Africa, the Caribbean and the Pacific Area.

Source: Statistisches Bundesamt (Federal Statistical Office), Außenhandelsstatistik (Foreign trade statistics)

#### 4. Further information

## List of abbreviations

## General

AGEB	Working Group on Energy Balances (Arbeitsgemeinschaft Energiebilanzen)
ACP	Africa, the Caribbean and the Pacific Area
AK VGRdL	National accounts working group of the Länder (Arbeitskreis Volkswirtschaftliche Gesamtrechnungen der Länder)
BfN	Federal Agency for Nature Conservation (Bundesamt für Naturschutz)
BMELV	Federal Ministry of Food, Agriculture and Consumer Protection (Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz)
BMI	Body mass index
BMU	Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit)
BZgA	Federal Centre for Health Education (Bundeszentrale für gesundheitliche Aufklärung)
DAC	Development Assistance Committee
EEC	European Economic Community
EU	European Union
GDP	Gross domestic product
GNI	Gross national income
ISCED	International Standard Classification of Education
ODA	Official Development Assistance
OECD	Organisation for Economic Co-operation and Development
R&D	Research and development
SS	Summer semester
TREMOD	Transport emissions estimation model
UGR	Environmental-economic accounting
UMTS	Universal Mobile Telecommunications System
UNFCCC	United Nations Framework Convention on Climate Change
VGR	National accounts
WHO	World Health Organization
WS	Winter semester
ZES	Central system of Emissions (Zentrales System Emissionen)
ZSW	Centre of Solar Energy and Hydrogen Research Baden-Württemberg (Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg)

## Measures

ha	hectare
kg	kilogram
km	kilometre
km <sup>2</sup>	square kilometre
m <sup>2</sup>	square metre
MJ	megajoules
pass-km	passenger kilometres
t	tonnes
tkm	Tonne kilometre
bn	billion
mn	million

## Explanation of symbols

0	=	less than half of 1 in the last digit occupied, but more than zero
–	=	no figures or magnitude zero
...	=	data will be available later
.	=	numercial value unknow or not to be disclosed
x	=	cell blocked for logical reasons