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## Structural data of Germany<sup>1</sup>

	Unit	1960	1970	1980	1990	2000	2010
<b>Population<sup>2</sup></b>	1,000	55,958	61,001	61,658	63,726	82,260	81,752
Male <sup>2</sup>	1,000	26,328	29,072	29,481	30,851	40,157	40,112
Female <sup>2</sup>	1,000	29,631	31,930	32,177	32,875	42,103	41,639
Foreigners <sup>2</sup>	1,000	-	2,738	4,566	5,447	7,268	7,199
Live births	1,000	1,262	1,048	866	906	767	678
Foreigners	1,000	11	63	81	86	50	33
Surplus of births (+) or deaths (-)	1,000	+385	+72	-87	-16	-72	-181
Net immigration (+) or net emigration (-) <sup>3</sup>	1,000	+176	+555	+298	+670	+167	+128
<b>Employed persons<sup>4</sup></b>	1,000	<b>26,194</b>	<b>25,951</b>	<b>26,874</b>	<b>29,334</b>	<b>36,604</b>	<b>38,938</b>
Male	1,000	16,340	16,441	16,782	17,585	20,680	21,048
Female	1,000	9,854	9,510	10,092	11,749	15,924	17,891
<b>Employed foreigners<sup>5</sup></b>	1,000	<b>279</b>	<b>1,807</b>	<b>2,018</b>	<b>1,775</b>	<b>1,899</b>	<b>1,879</b>
Of which,							
Greeks	1,000	-	230	132	103	109	85
Italians	1,000	-	364	305	170	203	179
Portuguese	1,000	-	40	59	42	48	41
Spaniards	1,000	-	163	86	61	40	34
Turks	1,000	-	323	578	598	543	475
<b>Unemployed persons, total<sup>6</sup></b>	1,000	<b>271</b>	<b>149</b>	<b>889</b>	<b>1,883</b>	<b>3,890</b>	<b>3,239</b>
Of which, female	1,000	-	-	462	915	1,836	1,479
Unemployment rate <sup>7</sup>	in %	-	-	-	-	9.6	7.7
<b>Unemployed persons<sup>8</sup></b>							
Without completed vocational training, total	1,000	-	-	444	808	1,396	1,340
Of which, female	1,000	-	-	256	409	647	621
With in-company/ school training, total	1,000	-	-	337	800	2,114	1,575
Of which, female	1,000	-	-	180	390	1,059	702
With academic degree, total <sup>9</sup>	1,000	-	-	42	120	175	178
Of which, female	1,000	-	-	18	59	79	84
<b>Unemployment rate<sup>10</sup></b>							
Without completed vocational training	in %	-	-	5.9	13.3	22.2	20.7
With in-company/school training	in %	-	-	2.1	4.0	8.1	5.8
With university of applied sciences degree	in %	-	-	1.8	2.8	-	2.7
With university degree	in %	-	-	1.9	3.9	-	2.3
<b>Pupils, total</b>	1,000	<b>8,457</b>	<b>10,976</b>	<b>11,763</b>	<b>9,044</b>	<b>12,642</b>	<b>11,485</b>
Male	1,000	-	-	6,162	4,724	6,526	5,955
Female	1,000	-	-	5,600	4,320	6,116	5,530
Foreigners	1,000	-	187	747	966	1,155	933
General schools, total	1,000	6,669	8,992	9,186	6,882	9,960	8,797
Male	1,000	-	-	4,704	3,521	5,063	4,479
Female	1,000	-	-	4,482	3,360	4,898	4,318
New entrants	1,000	-	-	636	656	812	707
Vocational schools, total	1,000	1,788	1,984	2,576	2,162	2,682	2,688
Male	1,000	-	-	1,458	1,203	1,463	1,476
Female	1,000	-	-	1,118	960	1,218	1,212
Pupils at schools for nurses, midwives etc.	1,000	-	65	97	97	113	132

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## Structural data of Germany<sup>1</sup>

	Unit	1960	1970	1980	1990	2000	2010
<b>Apprentices, total</b>	1,000	<b>1,279</b>	<b>1,269</b>	<b>1,715</b>	<b>1,477</b>	<b>1,702</b>	<b>1,508</b>
Male	1,000	818	820	1,061	847	1,007	909
Female	1,000	461	449	655	630	695	600
Foreigners	1,000	-	-	-	98	97	77
With new training contracts	1,000	-	-	670	538	623	559
<b>Students at higher education</b>	1,000	<b>247</b>	<b>422</b>	<b>1,036</b>	<b>1,579</b>	<b>1,799</b>	<b>2,218</b>
Male	1,000	181	292	656	974	970	1,158
Female	1,000	66	130	380	605	829	1,060
Foreigners	1,000	21	25	58	100	187	252
First-year students	1,000	53	87	193	278	315	445
Foreigners	1,000	5	5	13	24	55	80
<b>School graduates/ school-leavers</b>							
From full-time schools <sup>11</sup>	1,000	469	489	501	254	321	233
With secondary general school certificate	1,000	355	349	391	200	234	180
Without secondary general school certificate	1,000	114	140	109	54	87	53
With intermediate school certificate <sup>11</sup>	1,000	117	200	422	284	441	445
With higher education entrance qualification <sup>11</sup>	1,000	57	92	222	275	348	457
<b>Passed qualifying examinations</b>							
By apprentices	1,000	-	-	568	532	503	479
Higher education graduates	1,000	48	87	124	166	214	362
<b>Teachers at all schools</b>	1,000	<b>264</b>	<b>389</b>	<b>557</b>	<b>542</b>	<b>785</b>	<b>798</b>
At general schools	1,000	224	339	478	458	672	673
Student-teacher ratio	Number	30	27	19	15	15	13
At vocational schools	1,000	39	51	79	84	113	125
Student-teacher ratio	Number	45	39	33	26	24	22
<b>Teachers at higher education<sup>12</sup></b>	1,000	-	-	<b>85</b>	<b>109</b>	<b>157</b>	<b>211</b>
Universities	1,000	-	-	76	98	139	183
Students per teacher	Number	-	-	11	12	10	8
Universities of applied sciences	1,000	-	-	9	11	18	27
Students per teacher	Number	-	-	22	34	25	26
<b>Other higher education staff<sup>12</sup></b>	1,000	-	-	<b>161</b>	<b>205</b>	<b>265</b>	<b>274</b>
<b>Full-time staff in the public sector<sup>13</sup></b>	1,000	-	-	-	-	<b>3,697</b>	<b>3,107</b>
At federal level	1,000	-	-	-	-	555	461
At Länder level	1,000	-	-	-	-	1,805	1,568
At local government level	1,000	-	-	-	-	1,066	820
<b>Part-time staff in the public sector<sup>13</sup></b>	1,000	-	-	-	-	<b>1,212</b>	<b>1,479</b>
At federal level	1,000	-	-	-	-	43	69
At Länder level	1,000	-	-	-	-	586	750
At local government level	1,000	-	-	-	-	506	536
<b>Total public expenditure<sup>14</sup></b>	Billions of €	<b>33</b>	<b>100</b>	<b>379</b>	<b>585</b>	<b>961</b>	<b>1,142</b>
Per inhabitant	€	590	1,646	6,150	9,184	11,680	13,974
Federal Government <sup>2</sup>	Billions of €	16	45	111	159	266	355
Länder governments	Billions of €	13	39	107	153	251	307
Local governments	Billions of €	8	29	74	107	146	191
Expenditure on staff	Billions of €	9	31	88	127	182	224
Federal Government	Billions of €	2	7	16	22	27	42
Länder governments	Billions of €	5	16	45	64	95	115
Local governments	Billions of €	2	8	22	33	40	49

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**Structural data of Germany<sup>1</sup>**

	Unit	1960	1970	1980	1990	2000	2010
Public expenditure on education <sup>15</sup>	Billions of €	<b>5,805</b>	<b>14,193</b>	<b>33,910</b>	<b>41,916</b>	<b>79,264</b>	<b>106,219</b>
Per inhabitant	€	103	233	551	663	964	1,299
For schools <sup>2,15</sup>	Millions of €	4,138	8,726	22,866	27,728	46,723	59,059
Länder governments	Millions of €	2,596	5,840	17,268	22,055	37,888	46,270
Local governments	Millions of €	1,616	2,872	5,578	5,668	8,834	11,124
For higher education <sup>15,16</sup>	Millions of €	1,667	3,514	7,155	10,570	17,243	22,527
Federal Government	Millions of €	141	504	663	1,014	1,936	3,224
Länder governments	Millions of €	829	3,003	6,492	9,556	15,306	19,303
<b>Tax revenue in cash terms</b>	Millions of €	<b>35,100</b>	<b>78,000</b>	<b>186,579</b>	<b>281,040</b>	<b>467,413</b>	<b>530,673</b>
Per inhabitant	€	627	1,279	3,026	4,410	5,682	6,491
Federal Government <sup>2</sup>	Millions of €	18,711	42,742	90,776	133,873	198,790	225,811
Länder governments	Millions of €	10,978	25,811	64,154	97,793	189,493	210,052
Local governments	Millions of €	4,378	9,326	26,229	38,155	57,297	70,443
<b>Gross domestic product<sup>17</sup></b>	Millions of €	<b>154,770</b>	<b>360,600</b>	<b>788,520</b>	<b>1,306,680</b>	<b>2,109,090</b>	<b>2,564,400</b>
Per inhabitant <sup>18</sup>	€	2,792	5,945	12,808	20,658	25,892	31,942

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## Structural data of Germany<sup>1</sup>

	Unit	2016	2017	2018	2019	2020	2021
<b>Population<sup>2</sup></b>	1,000	82,522	82,792	83,019	83,167	83,155	83,237
Male <sup>2</sup>	1,000	40,697	40,844	40,967	41,038	41,027	41,067
Female <sup>2</sup>	1,000	41,825	41,949	42,053	42,129	42,129	42,170
Foreigners <sup>2</sup>	1,000	9,220	9,679	10,089	10,398	10,585	10,893
Live births	1,000	792	785	788	778	773	795
Foreigners	1,000	97	98	105	106	106	106
Surplus of births (+) or deaths (-)	1,000	-119	-147	-167	-161	-212	-228
Net immigration (+) or net emigration (-) <sup>3</sup>	1,000	+500	+416	+400	+327	+220	+329
<b>Employed persons<sup>4</sup></b>	1,000	<b>41,339</b>	<b>41,641</b>	<b>41,895</b>	<b>42,379</b>	<b>41,594</b>	<b>41,602</b>
Male	1,000	22,107	22,272	22,380	22,608	22,151	22,143
Female	1,000	19,232	19,369	19,514	19,771	19,443	19,459
<b>Employed foreigners<sup>5</sup></b>	1,000	<b>3,134</b>	<b>3,470</b>	<b>3,848</b>	<b>4,153</b>	<b>4,236</b>	<b>4,546</b>
Of which,							
Greeks	1,000	131	138	145	149	146	149
Italians	1,000	244	255	267	274	269	275
Portuguese	1,000	58	60	61	62	62	64
Spaniards	1,000	64	67	69	71	71	76
Turks	1,000	516	527	539	542	531	539
<b>Unemployed persons, total<sup>6</sup></b>	1,000	<b>2,691</b>	<b>2,533</b>	<b>2,340</b>	<b>2,267</b>	<b>2,695</b>	<b>2,613</b>
Of which, female	1,000	1,208	1,135	1,048	1,004	1,175	1,159
Unemployment rate <sup>7</sup>	in %	6.1	5.7	5.2	5.0	5.9	5.7
<b>Unemployed persons<sup>8</sup></b>							
Without completed vocational training, total	1,000	1,263	1,157	1,202	1,181	1,408	1,403
Of which, female	1,000	576	524	539	525	615	629
With in-company/ school training, total	1,000	1,137	1,028	926	877	1,028	969
Of which, female	1,000	501	453	408	379	435	415
With academic degree, total <sup>9</sup>	1,000	194	194	185	187	238	222
Of which, female	1,000	90	91	88	90	115	107
<b>Unemployment rate<sup>10</sup></b>							
Without completed vocational training	in %	19.1	17.9	17.4	17.0	-	-
With in-company/school training	in %	4.2	3.9	3.4	3.3	-	-
With university of applied sciences degree	in %	2.4	2.4	2.1	2.1	-	-
With university degree	in %	2.2	2.2	2.0	2.0	-	-
<b>Pupils, total</b>	1,000	<b>10,885</b>	<b>10,837</b>	<b>10,780</b>	<b>10,744</b>	<b>10,735</b>	<b>10,746</b>
Male	1,000	5,709	5,690	5,655	5,632	5,617	5,616
Female	1,000	5,175	5,147	5,125	5,112	5,118	5,130
Foreigners	1,000	1,098	1,167	1,216	1,269	1,298	1,341
General schools, total	1,000	8,370	8,347	8,330	8,327	8,381	8,436
Male	1,000	4,288	4,271	4,258	4,252	4,274	4,299
Female	1,000	4,082	4,076	4,072	4,074	4,107	4,138
New entrants	1,000	721	725	728	733	750	771
Vocational schools, total	1,000	2,515	2,490	2,450	2,417	2,355	2,310
Male	1,000	1,422	1,419	1,397	1,379	1,343	1,318
Female	1,000	1,093	1,071	1,053	1,038	1,011	992
Pupils at schools for nurses, midwives etc.	1,000	155	154	157	165	149	140

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## Structural data of Germany<sup>1</sup>

	Unit	2016	2017	2018	2019	2020	2021
<b>Apprentices, total</b>	1,000	<b>1,321</b>	<b>1,324</b>	<b>1,331</b>	<b>1,329</b>	<b>1,289</b>	<b>1,255</b>
Male	1,000	822	834	851	859	840	822
Female	1,000	499	490	480	470	449	433
Foreigners	1,000	96	113	131	143	141	135
With new training contracts	1,000	510	516	522	513	466	466
<b>Students at higher education</b>	1,000	<b>2,807</b>	<b>2,845</b>	<b>2,868</b>	<b>2,891</b>	<b>2,944</b>	<b>2,946</b>
Male	1,000	1,454	1,465	1,466	1,465	1,476	1,468
Female	1,000	1,353	1,380	1,402	1,426	1,468	1,478
Foreigners	1,000	359	375	395	412	416	441
First-year students	1,000	510	513	512	509	490	472
Foreigners	1,000	118	122	126	125	100	117
<b>School graduates/ school-leavers</b>							
From full-time schools <sup>11</sup>	1,000	188	187	187	185	169	170
With secondary general school certificate	1,000	139	134	134	132	124	122
Without secondary general school certificate	1,000	49	53	54	53	45	47
With intermediate school certificate <sup>11</sup>	1,000	465	444	425	419	427	417
With higher education entrance qualification <sup>11</sup>	1,000	454	441	433	419	382	394
<b>Passed qualifying examinations</b>							
By apprentices	1,000	400	393	387	383	380	379
Higher education graduates	1,000	492	502	499	508	477	518
<b>Teachers at all schools</b>	1,000	<b>799</b>	<b>805</b>	<b>811</b>	<b>818</b>	<b>827</b>	<b>833</b>
At general schools	1,000	674	679	686	694	702	709
Student-teacher ratio	Number	12	12	12	12	12	12
At vocational schools	1,000	125	126	125	125	125	124
Student-teacher ratio	Number	20	20	20	19	19	19
<b>Teachers at higher education<sup>12</sup></b>	1,000	<b>242</b>	<b>250</b>	<b>256</b>	<b>261</b>	<b>269</b>	<b>276</b>
Universities	1,000	207	212	216	220	227	232
Students per teacher	Number	9	9	8	8	8	8
Universities of applied sciences	1,000	36	38	40	41	42	44
Students per teacher	Number	28	27	26	26	27	26
<b>Other higher education staff<sup>12</sup></b>	1,000	<b>300</b>	<b>304</b>	<b>311</b>	<b>325</b>	<b>339</b>	<b>347</b>
<b>Full-time staff in the public sector<sup>13</sup></b>	1,000	<b>3,186</b>	<b>3,207</b>	<b>3,232</b>	<b>3,269</b>	<b>3,310</b>	<b>3,371</b>
At federal level	1,000	433	437	439	444	451	460
At Länder level	1,000	1,614	1,624	1,637	1,657	1,673	1,691
At local government level	1,000	894	906	919	936	955	984
<b>Part-time staff in the public sector<sup>13</sup></b>	1,000	<b>1,504</b>	<b>1,533</b>	<b>1,571</b>	<b>1,616</b>	<b>1,658</b>	<b>1,724</b>
At federal level	1,000	57	57	57	58	59	61
At Länder level	1,000	750	765	783	803	821	851
At local government level	1,000	570	581	599	621	642	673
<b>Total public expenditure<sup>14</sup></b>	Billions of €	<b>1,326</b>	<b>1,368</b>	<b>1,429</b>	<b>1,497</b>	<b>1,679</b>	<b>1,762</b>
Per inhabitant	€	16,070	16,521	17,207	18,005	20,187	21,173
Federal Government <sup>2</sup>	Billions of €	363	376	386	397	512	561
Länder governments	Billions of €	371	383	399	417	487	507
Local governments	Billions of €	242	248	260	277	293	303
Expenditure on staff	Billions of €	271	282	294	308	321	333
Federal Government	Billions of €	49	51	52	54	56	58
Länder governments	Billions of €	139	145	151	159	166	171
Local governments	Billions of €	63	66	69	73	76	80

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## Structural data of Germany<sup>1</sup>

	Unit	2016	2017	2018	2019	2020	2021
Public expenditure on education <sup>15</sup>	Billions of €	132,564	134,897	141,649	150,525	163,992	169,328
Per inhabitant	€	1,606	1,629	1,706	1,810	1,972	2,034
For schools <sup>2,15</sup>	Millions of €	67,724	66,388	70,132	74,186	79,408	82,823
Länder governments	Millions of €	52,385	54,229	56,284	59,786	61,979	65,150
Local governments	Millions of €	11,822	12,136	13,101	14,376	15,677	17,078
For higher education <sup>15,16</sup>	Millions of €	29,843	30,501	30,618	32,134	33,187	33,859
Federal Government	Millions of €	5,491	5,794	5,261	5,371	4,705	4,688
Länder governments	Millions of €	24,352	24,707	25,356	26,763	28,482	29,171
<b>Tax revenue in cash terms</b>	Millions of €	<b>705,712</b>	<b>734,695</b>	<b>776,379</b>	<b>799,390</b>	<b>739,992</b>	<b>831,843</b>
Per inhabitant	€	8,552	8,874	9,352	9,612	8,899	9,994
Federal Government <sup>2</sup>	Millions of €	289,018	309,361	322,359	329,052	283,115	313,667
Länder governments	Millions of €	288,674	298,414	314,058	324,517	316,331	355,088
Local governments	Millions of €	98,747	105,237	111,374	114,899	107,755	124,865
<b>Gross domestic product<sup>17</sup></b>	Millions of €	<b>3,134,740</b>	<b>3,267,160</b>	<b>3,365,450</b>	<b>3,473,260</b>	<b>3,405,430</b>	<b>3,601,750</b>
Per inhabitant <sup>18</sup>	€	38,067	39,527	40,594	41,800	40,950	43,292

- 1 Until 1990, former West Germany.
- 2 Until 2010, population data are based on past censuses. As of 2016, results of the population census (Bevölkerungsfortschreibung) are based on 2011 Census.
- 3 2010 data are of limited comparability because of corrections in the register of residents. Due to methodological changes 2016 data are of limited comparability with the previous years; furthermore, over-coverage or under-coverage of the registration data on asylum seekers is possible.
- 4 Findings of the Microcensus. As of 2010, annual averages. As of 2016, calculated with data of the population census (Bevölkerungsfortschreibung) that is based on 2011 Census, comparability with the previous years is limited. As of 2017, population in private household without collective living quarters. As of 2020, findings of the 2020 Microcensus, comparability with the previous years is limited.
- 5 Results of counts of employed persons registered with the Federal Employment Office. As of 1980, figures from statistics on employment covered by social security; as of 2000, revised data of the employment statistics; annual averages. As of 2000, survey reference day for each year is 30 June.
- 6 As of 2010, revised data due to a revision of the unemployment statistics.
- 7 Referring to the total civilian labour force (excluding apprentices) of the same qualification.
- 8 Up to and including 2000, data are from the Institute for Employment Research. As of 2010, data are from the Federal Employment Agency. As of 2010, data are revised due to a revision of the unemployment statistics.
- 9 Until 2016: sum of university degree and university of applied sciences degree.
- 10 According to calculations of the Institute for Employment Research. The figures differ from the unemployment statistics of the Federal Employment Agency because different basic values have been used. Referring to the total civilian labour force. As of 2016, revised data for employed persons based on 2011 Census. As of 2020, data not available due to methodical reasons.
- 11 General schools and vocational schools. As of 2016, the school part of the entrance qualification for universities of applied sciences is counted to the intermediate school certificate.
- 12 Staff in main professions only.
- 13 Findings of the statistics on public service personnel. Survey reference day for each year is 30 June. Including social insurance and the Federal Employment Agency; as of 2005, including company health insurance funds.
- 14 As of 2000, excluding hospitals and teaching hospitals which keep commercial accounts. Due to the new budgetary system, as of 2010, limited comparability with the previous years only. Until 2000, findings of the financial statistics (Rechnungsstatistik), as of 2010, quarterly cash results with extended group of respondents.
- 15 Basic funds excluding expenditure on pensions. From 2016 to 2021: preliminary ACTUAL.
- 16 Until 1990, including teaching hospitals which keep commercial accounts. As of 2000, expenditure including teaching hospitals, not including DFG and special research programmes.
- 17 Annual findings of the German Regional Accounts. Pursuant to the European System of Accounts (ESA) 2010, 2019 revision (the results were calculated back to 2000). Date of calculations: August 2022.
- 18 Inhabitants data in the regional accounts are annual averages. Until 2010, population data are based on past censuses. As of 2016, population data are based on 2011 Census.

Last update: January 17, 2023

Source: Federal Statistical Office (Statistisches Jahrbuch, Bildungsfinanzbericht, diverse Fachserien, diverse Statistische Berichte, GENESIS-Online Datenbank: Fortschreibung des Bevölkerungsstandes, Regional Accounts VGRdL - Lange Reihen ab 1925); Working group "Regional Accounts", "Reihe 1, Länderergebnisse Band 1"; Federal Employment Agency (Arbeitslosigkeit im Zeitverlauf, Sozialversicherungspflichtig Beschäftigte nach Staatsangehörigkeiten und Geschlecht, special evaluation); Institute for Employment Research, Qualifikationsspezifische Arbeitslosenquoten