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R&D personnel, by personnel groups and sectors of employment¹

Sector (OECD definition)	Year (ACTUAL)	Full-time equivalents			
		Total	of which,		
			Researchers	Technicians	Others
1. Business enterprise sector ^{2,3}	1995	283,316	129,370	78,155	75,791
	2005	304,502	166,874	76,256	61,372
	2010	337,211	185,815	89,251	62,145
	2013	360,375	198,585	113,935	47,855
	2014	371,706	198,076	122,273	51,357
	2015	404,767	230,823	125,438	48,506
	2016	413,027	235,758	127,395	49,875
2. Government sector ^{4,5}	1995	75,148	37,324	20,380	17,444
	2005	76,254	39,911	8,420	27,923
	2010	90,531	51,783	12,565	26,182
	2013	98,161	56,755	13,799	27,607
	2014	101,005	52,854	20,041	28,110
	2015	101,717	54,011	20,012	27,694
	2016	103,206	53,971	20,646	28,589
3. Higher education sector ⁶	1995	100,674	64,434	13,636	22,604
	2005	94,522	65,363	9,902	19,258
	2010	120,981	90,398	11,395	19,188
	2013	130,079	99,123	11,036	19,919
	2014	132,542	100,992	11,073	20,476
	2015	134,032	103,148	10,752	20,132
	2016	141,661	109,877	11,443	20,342
4. Total	1995	459,138	231,128	112,171	115,839
	2005	475,278	272,148	94,578	108,553
	2010	548,723	327,996	113,211	107,515
	2013	588,615	354,463	138,770	95,382
	2014	605,253	351,923	153,387	99,943
	2015	640,515	387,982	156,202	96,331
	2016	657,894	399,606	159,484	98,806
of which:					
eastern German Länder					
and Berlin					
1. Business enterprise sector ⁷	1995	32,611	19,768	5,402	7,443
	2005	29,525	17,393	6,696	5,436
	2010	33,662	19,661	8,764	5,236
	2013	34,581	19,577	11,516	3,488
	2014	35,668	19,007	11,733	4,928
	2015	38,707	22,692	12,444	3,570
	2016	39,052	23,143	12,356	3,554

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		Total	of which,		
			Researchers	Technicians	Others
2. Government sector ^{4 5}	1995	20,782	11,481	4,894	4,407
	2005	21,970	12,012	2,018	7,940
	2010	27,560	16,458	3,475	7,628
	2013	29,654	17,886	3,533	8,235
	2014	30,531	15,906	7,115	7,510
	2015	29,940	16,151	6,599	7,189
	2016	30,359	16,280	6,658	7,421
3. Higher education sector ⁶	1995	24,601	15,484	3,214	5,901
	2005	22,441	15,579	1,896	4,966
	2010	27,687	20,883	2,372	4,432
	2013	29,375	22,517	2,194	4,664
	2014	29,377	22,423	2,206	4,748
	2015	29,477	22,863	2,070	4,544
	2016	30,182	23,574	2,124	4,484
4. Total	1995	77,994	46,733	13,510	17,751
	2005	73,936	44,984	10,610	18,342
	2010	88,910	57,002	14,611	17,296
	2013	93,610	59,980	17,243	16,387
	2014	95,576	57,336	21,054	17,187
	2015	98,123	61,706	21,113	15,303
	2016	99,593	62,997	21,138	15,459

1 Includes personnel (FTE) which can not be distributed to Länder.

2 2010 data estimated. As of 2014: technicians and other personnel estimated in even years.

3 In 2010: distribution to personnel groups is the same as the respective previous year. Possible rounding differences.

4 Government institutions and private non-profit organisations financed primarily by the government.

5 As of 2005: the definition between technicians and other personnel has been modified for methodical reasons. Limited comparability with previous years.

6 Figures for the higher education sector refer to full-time staff of private and state universities (ACTUAL), calculated in accordance with the procedure agreed on by the Standing Conference of Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany (KMK), the German Council of Science and Humanities, the Federal Ministry of Education and Research (BMBF) and the Federal Statistical Office.

7 Even years estimated.

Last update: March 2019

This table also appears in the Federal Report on Research and Innovation as Table 30.

Source: Special evaluation of the Federal Statistical Office and the Stifterverband Wissenschaftsstatistik

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<https://www.govdata.de/dl-de/by-nc-1-0>