

2. Public Health

This section includes statistical data supplied by the Ministry of Public Health and Social Development of the Russian Federation, characterizing morbidity of women and men with socially significant disease (malignant neoplasm, active tuberculosis, psychic and behavior disorders, narcotic and venereal diseases) as well as information on selected diseases of pregnant women, use of contraceptives, number of children-invalids registered by the Ministry of Public Health and Social Development and on the number of women and men acknowledged as invalids for the first time. Number of medical doctors (working in the system of the Ministry) and their qualification categories conferred in accordance with the professional background and length of service are presented.

Morbidity of population is characterized by the number of patients with the diagnosis of disease identified (or taken for special observation) for the first time during a year while their applying to medical establishment or passing preventive examination.

Morbidity rate – ratio of the number of patients with diagnosis identified for the first time during the life to the midyear resident population.

Invalidity means a disturbance of health accompanied by the stable functional disorder, stipulated by diseases, consequences of traumas or defects which lead to limited vital capacity and call to the necessity of social protection.

Primary invalidity – the invalidity identified for the first time in the reference year.

The International Statistical Classification of Diseases and Problems Connected with Health of the World Health Organization (WHO) (before 1999 – IX revision, since 1999 – X revision) is used for compilation of morbidity of population statistics.

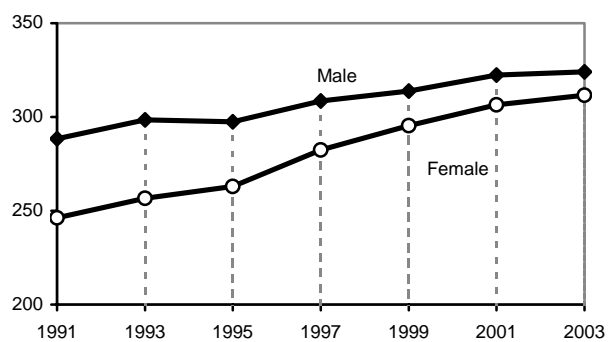


2.1. Malignant Neoplasms, by Age Groups in 2003

	Female	Male	By sex, %	
			female	male
Total				
thou. persons	239	216		
percentage	100	100	53	47
including at the age, years:				
0-14	0.5	0.6	45	55
15-19	0.3	0.4	48	52
20-39	5.3	3.1	65	35
40-59	31.3	29.9	54	46
60 and over	62.6	66.0	51	49

2.2. Morbidity with Malignant Neoplasms in 1991 - 2003

Number of persons registered with the diagnosis identified for the first time, per 100 000 population



2.3. Malignant Neoplasms by Selected Localizations in 2003

	Female	Male	By sex, %	
			female	male
Total				
thou. persons	239	216		
percentage	100	100	53	47
Including by localizations:				
lips, oral cavity, throat	1.3	5.3	21	79
esophagus	0.7	2.6	24	76
stomach	8.0	12.0	43	57
colon	6.9	5.4	59	41
rectum, anus	4.9	5.0	52	48
liver and interliver biliferous	1.3	1.7	46	54
gallblader and outliver biliferous	0.8	0.4	66	34
pancreas	2.6	3.1	47	53
larynx	0.2	3.2	5	95
trachea, bronchus, lung	4.0	22.8	16	84
skin	14.8	10.1	62	38
mammary gland	19.4	-	100	-
neck and body of uterus, secundine	12.0	-	100	-
ovary	5.0	-	100	-
prostate gland	-	6.4	-	100
urinary bladder	1.1	4.6	20	80
kidney	2.7	3.9	43	57
lymphatic and blood forming tissue	4.4	4.7	51	49
other localizations	9.9	8.8	59	41

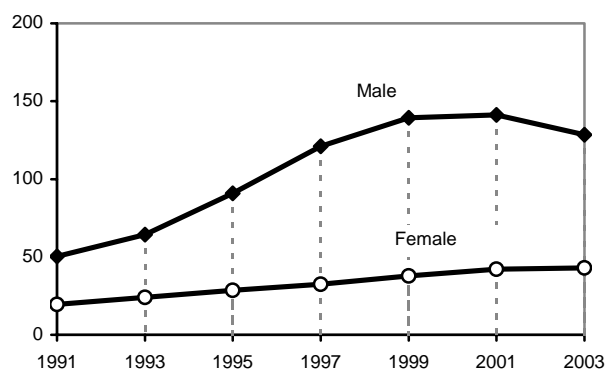


2.4. Acute Tuberculosis by Age Groups in 2003

	Female	Male	By sex, %	
			female	male
Total				
thou. persons	33	86		
percentage	100	100	28	72
including at the age, years:				
0-14	5.7	2.1	51	49
15-17	4.1	1.4	52	48
18-34	40.2	36.0	30	70
35-54	34.9	46.5	22	78
55-64	6.5	8.8	22	78
65 and over	8.6	5.2	39	61

2.5. Acute Tuberculosis in 1991-2003

Number of persons registered with the diagnosis identified for the first time, per 100 000 population



2.6. Acute Tuberculosis, by Regions of the Russian Federation, by Sex in 2003

	Per 100 000 population		By sex, %	
	female	male	female	male
Russian Federation	42.9	128.4	28	72
Central Federal District	29.1	98.5	26	74
Belgorod region	26.7	116.8	21	79
Bryansk region	39.9	132.7	26	74
Vladimir region	32.6	140.9	22	78
Voronezh region	33.0	121.0	24	76
Ivanovo region	31.8	103.7	27	73
Kaluga region	32.2	104.7	27	73
Kostroma region	24.7	86.0	25	75
Kursk region	28.7	129.4	21	79
Lipetsk region	33.0	130.4	23	77
Moscow region	31.0	87.6	29	71
Orel region	32.0	95.4	29	71
Ryazan region	32.5	131.4	23	77
Smolensk region	46.2	159.2	26	74
Tambov region	29.8	128.3	22	78
Tver region	35.0	116.7	27	73
Tula region	40.7	161.1	24	76
Yaroslavl region	25.2	118.9	21	79
Moscow	19.5	53.5	29	71



Continued table 2.6

	Per 100 000 population		By sex, %	
	female	male	female	male
North West Federal District	34,2	98,8	29	71
Republic of Karelia	41,8	118,0	29	71
Republic of Komi	45,7	137,7	27	73
Arkhangelsk region	30,6	118,5	23	77
including Nenetsky autonomous area	9,5	87,3	10	90
Vologda region	19,8	93,0	20	80
Kaliningrad region	73,0	164,3	33	67
Leningrad region	39,3	102,9	31	69
Murmansk region	29,9	104,9	23	77
Novgorod region	36,7	117,9	28	72
Pskov region	48,4	120,4	32	68
Saint-Petersburg	24,1	59,0	33	67
South Federal District	38,6	120,6	27	73
Republic of Adygea	31,4	140,7	20	80
Republic of Dagestan	47,9	85,9	37	63
Republic of Ingushetia	59,2	93,4	42	58
Republic of Kabardino-Balkaria	29,1	69,2	32	68
Republic of Kalmykia	73,1	190,2	30	70
Republic of Karachaevo-Cherkessia	32,6	84,2	31	69
Republic of Northen Osetia – Alania	46,9	111,1	32	68
Chechen Republic	...	...	...	...
Krasnodar Territory	32,6	114,8	25	75
Stavropol Territory	31,3	112,8	24	76
Astrakhan region	50,2	136,9	29	71
Volgograd region	44,0	173,9	23	77
Rostov region	36,5	129,3	25	75



Continued table 2.6

	Per 100 000 population		By sex, %	
	female	male	female	male
Privolzhsky (Volga) Federal District	37.0	120.8	26	74
Republic of Bashkortostan	24.9	97.9	22	78
Republic of Marii El	32.7	93.6	29	71
Republic of Mordovia	34.0	138.6	22	78
Republic of Tatarstan	32.1	103.8	26	74
Republic of Udmurtia	43.6	127.7	28	72
Republic of Chuvashia	34.0	118.0	25	75
Kirov region	31.2	104.0	26	74
Nizhny Novgorod region	37.6	141.7	24	76
Orenburg region	48.4	132.9	29	71
Penza region	31.1	122.0	23	77
Perm region	55.6	146.3	31	69
including Komi-Perm autonomous area	53.9	183.0	24	76
Samara region	36.2	121.1	26	74
Saratov region	44.3	125.5	29	71
Ulyanovsk region	29.1	118.2	22	78
Ural Federal District	52.8	151.5	28	72
Kurgan region	68.3	179.1	31	69
Sverdlovsk region	51.4	158.8	27	73
Tumen region	65.6	161.3	30	70
including:				
Khanty-Mansiysky autonomous area -Yugra	45.4	121.0	28	72
Yamalo-Nenetsky autonomous area	60.4	131.6	31	69
Chelyabinsk region	39.0	125.3	27	73



Continued table 2.6

	Per 100 000 population		By sex, %	
	female	male	female	male
Siberian Federal District	72.6	192.9	30	70
Republic of Altay	85.5	138.7	40	60
Republic of Buryatia	89.1	212.8	32	68
Republic of Tyva	211.9	338.5	41	59
Republic of Khakassia	74.4	198.4	30	70
Altay Territory	70.1	197.4	29	71
Krasnoyarsk Territory	63.5	158.3	31	69
including:				
Taymyr (Dolgano-Nenetsky) autonomous area	44.3	88.4	35	65
Evenkia autonomous area	193.6	227.4	46	54
Irkutsk region	66.7	195.1	28	72
including Ust-Ordynsky Buryatsky autonomous area	98.4	194.7	35	65
Kemerovo region	83.4	215.5	31	69
Novosibirsk region	70.0	215.0	27	73
Omsk region	70.3	174.9	32	68
Tomsk region	55.6	164.4	28	72
Chita region	59.6	168.9	27	73
including Aginsky Buryatsky autonomous area	96.7	158.8	39	61
Far East Federal District	75.2	179.1	31	69
Republic of Sakha (Yakutia)	50.1	108.3	33	67
Primorsky Territory	88.0	213.0	31	69
Khabarovsk Territory	77.4	188.5	31	69
Amur region	93.7	233.4	30	70
Kamchatka region	56.0	112.6	32	68
Magadan region	40.3	120.2	26	74
Sakhalin region	44.4	118.7	29	71
Jewish autonomous area	40.8	81.3	35	65
Chukotka autonomous area	56.5	80.0	39	61

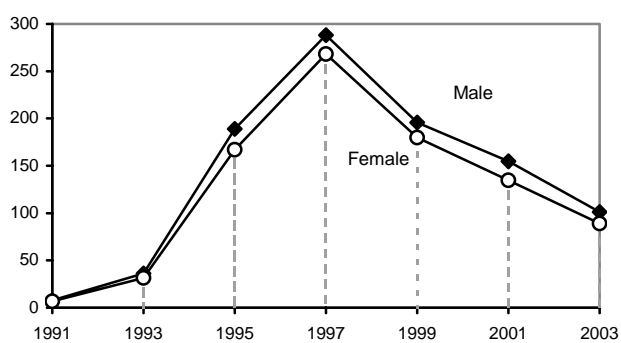


2.7. Persons Living with Syphilis by Sex and Age Groups in 2003

	Female	Male	By sex, %	
			female	male
Total				
thou. persons	68	67		
percentage	100	100	50	50
including at the age, years:				
0-14	1.1	0.9	55	45
15-17	6.5	2.6	72	28
18-19	10.5	5.2	67	33
20-29	45.2	42.0	52	48
30-39	19.6	25.2	44	56
40 and over	17.1	24.1	42	58

2.8. Persons Living with Syphilis in 1991-2003

Number of persons registered with the diagnosis identified for the first time, per 100 000 population

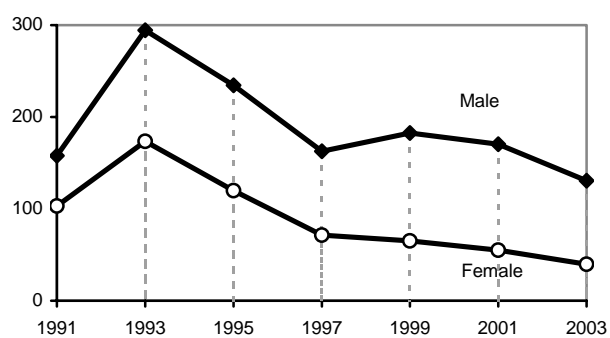


2.9. Persons Living with Gonorrhoea by Age Groups in 2003

	Female	Male	By sex, %	
			female	male
Total				
thou. persons	31	87		
percentage	100	100	26	74
including at the age, years:				
0-14	1.7	0.1	81	19
15-17	9.4	4.7	41	59
18-19	15.2	10.5	34	66
20-29	48.1	61.4	22	78
30-39	13.9	15.8	24	76
40 and over	11.7	7.5	35	65

2.10. Persons Living with Gonorrhoea in 1991-2003

*Number of registered with the diagnosis
set for the first time, per 100 000 population*



2.11. Persons Living with HIV by Age Groups as of January 1, 2004¹⁾

	Female	Male	By sex, %	
			female	male
Total				
thou. persons	73	198		
percentage	100	100	27	73
including at the age, years:				
0-14	6	2	47	53
15-19	22	17	33	67
20-29	58	62	26	74
30-39	10	14	21	79
40 and over	4	5	23	77

¹⁾ The data supplied by the Federal Centre for Prophylaxis and Averting AIDS, Ministry of Public Health and Social development of Russia.

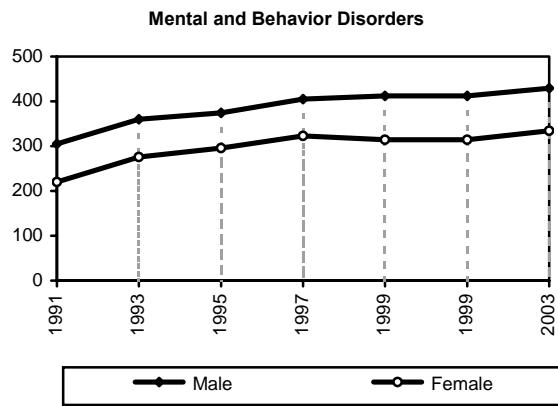
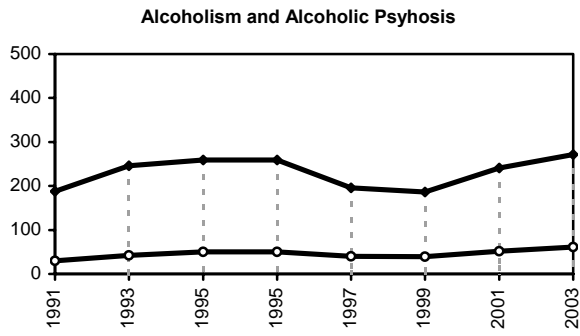
2.12. Mental and Behavior Disorders in 2003

	Per 100 000 population		By sex, %	
	female	male	female	male
Patients with diagnosis identified for the first time during their life:				
mental and behavior disorders	334	429	47	53
alcoholism and alcoholic psychosis	61	272	21	79
including persons at age of 0-17 years	2	7	22	78
narcotics and toxicomania	5	32	17	83
including persons at age of 0-17 years	3	15	14	86



**2.13. Alcoholism and Alcoholic Psychosis,
Mental and Behavior Disorders in 1991-2003**

*Patients with diagnosis identified for the first time during their life,
per 100 000 population*



**2.14. Alcoholism and Alcoholic Psychosis, by Sex and
by Regions of the Russian Federation in 2003**

	Per 100 000 population		By sex, %	
	female	male	female	male
Russian Federation	61.2	271.7	21	79
Central Federal District	51.6	268.8	18	82
Belgorod region	27.8	207.3	14	86
Bryansk region	93.3	557.5	17	83
Vladimir region	67.5	336.7	20	80
Voronezh region	45.4	332.6	14	86
Ivanovo region	81.8	412.5	20	80
Kaluga region	67.6	312.0	21	79
Kostroma region	50.7	235.3	20	80
Kursk region	49.3	355.7	14	86
Lipetsk region	50.6	450.3	12	88
Moscow region	53.6	241.6	21	79
Orel region	61.3	256.8	22	78
Ryazan region	56.7	327.8	17	83
Smolensk region	94.6	398.6	22	78
Tambov region	45.0	328.0	14	86
Tver region	84.2	384.4	21	79
Tula region	55.3	311.6	18	82
Yaroslavl region	61.5	328.6	19	81
Moscow	30.6	134.3	20	80



Continued table 2.14

	Per 100 000 population		By sex, %	
	female	male	female	male
North West Federal District	74.8	270.4	24	76
Republic of Karelia	133.1	433.5	26	74
Republic of Komi	143.1	402.0	28	72
Arkhangelsk region	49.3	191.7	22	78
including Nenetsky autonomous area	85.1	460.6	16	84
Vologda region	70.9	252.7	25	75
Kaliningrad region	65.6	231.1	24	76
Leningrad region	95.6	330.1	25	75
Murmansk region	69.4	229.9	24	76
Novgorod region	119.7	528.4	22	78
Pskov region	103.5	371.8	25	75
Saint-Petersburg	44.3	182.5	23	77
South Federal District	31.7	191.3	16	84
Republic of Adygea	49.1	281.4	17	83
Republic of Dagestan	2.6	77.8	3	97
Republic of Ingushetia	-	1.4	-	100
Republic of Kabardino-Balkaria	19.2	215.6	9	91
Republic of Kalmykia	28.3	237.6	11	89
Republic of Karachaevo-Cherkessia	33.0	222.2	15	85
Republic of Northern Osetia – Alania	16.6	193.8	9	91
Chechen Republic	...	...	...	...
Krasnodar Territory	45.6	231.6	18	82
Stavropol Territory	25.2	142.9	17	83
Astrakhan region	53.6	250.6	19	81
Volgograd region	43.2	249.3	17	83
Rostov region	31.0	194.8	16	84



Continued table 2.14

	Per 100 000 population		By sex, %	
	female	male	female	male
Privolzhsky (Volga) Federal District	65.2	293.3	21	79
Republic of Bashkortostan	54.8	221.9	22	78
Republic of Marii El	43.3	213.4	19	81
Republic of Mordovia	60.7	417.9	15	85
Republic of Tatarstan	55.1	257.0	20	80
Republic of Udmurtia	76.6	244.1	27	73
Republic of Chuvashia	83.4	348.8	22	78
Kirov region	76.0	329.8	21	79
Nizhny Novgorod region	54.0	272.7	19	81
Orenburg region	65.2	352.1	17	83
Penza region	47.9	321.8	15	85
Perm region	125.4	466.7	24	76
including Komi-Perm autonomous area	279.3	1224.9	20	80
Samara region	59.8	254.0	22	78
Saratov region	47.0	204.6	21	79
Ulyanovsk region	68.8	371.4	18	21
Ural Federal District	68.5	285.3	21	79
Kurgan region	64.1	268.7	22	78
Sverdlovsk region	54.8	255.2	20	80
Tumen region	87.9	319.4	23	77
including:				
Khanty-Mansiysky autonomous area -Yugra	92.1	342.6	21	79
Yamalo-Nenetsky autonomous area	133.4	394.7	25	75
Chelyabinsk region	70.0	294.5	22	78



Continued table 2.14

	Per 100 000 population		By sex, %	
	female	male	female	male
Siberian Federal District	77.1	295.2	23	77
Republic of Altay	102.4	375.6	23	77
Republic of Buryatia	42.2	145.1	24	76
Republic of Tyva	129.3	201.3	42	58
Republic of Khakassia	124.7	349.0	29	71
Altay Territory	85.9	437.1	18	82
Krasnoyarsk Territory	95.3	357.1	23	77
including:				
Taymyr (Dolgano-Nenetsky) autonomous area	245.9	847.8	23	77
Evenkia autonomous area	91.1	432.1	17	83
Irkutsk region	88.1	472.5	18	82
including Ust-Ordynsky Buryatsky autonomous area	57.1	219.5	22	78
Kemerovo region	81.2	246.5	28	72
Novosibirsk region	53.9	196.1	24	76
Omsk region	32.1	114.4	25	75
Tomsk region	77.6	213.5	29	71
Chita region	100.5	283.8	28	72
including Aginsky Buryatsky autonomous area	61.8	147.4	31	69
Far East Federal District	104.7	355.8	24	76
Republic of Sakha (Yakutia)	125.0	417.1	24	76
Primorsky Territory	61.0	212.0	24	76
Khabarovsk Territory	89.3	297.4	24	76
Amur region	79.9	268.3	24	76
Kamchatka region	89.1	277.0	24	76
Magadan region	290.5	950.4	24	76
Sakhalin region	250.7	853.1	24	76
Jewish autonomous area	34.0	178.3	17	83
Chukotka autonomous area	310.5	738.5	28	73



**2.15. Narcotic Addiction, by Sex and by Regions
of the Russian Federation in 2003**

	Per 100 000 population		By sex, %	
	female	male	female	male
Russian Federation	4.5	29.2	15	85
Central Federal District	3.0	19.2	15	85
Belgorod region	0.9	10.2	9	91
Bryansk region	2.2	16.7	13	87
Vladimir region	1.1	5.9	18	82
Voronezh region	3.0	19.0	16	84
Ivanovo region	1.9	10.8	18	82
Kaluga region	2.0	10.8	18	82
Kostroma region	0.8	10.8	8	92
Kursk region	0.6	9.5	7	93
Lipetsk region	3.7	15.6	22	78
Moscow region	2.8	23.4	12	88
Orel region	1.5	9.3	16	84
Ryazan region	0.6	5.8	11	89
Smolensk region	3.9	35.0	12	88
Tambov region	1.9	9.0	20	80
Tver region	1.6	7.5	21	79
Tula region	0.9	9.0	11	89
Yaroslavl region	1.3	11.9	12	88
Moscow	5.7	29.6	17	83



Continued table 2.15

	Per 100 000 population		By sex, %	
	female	male	female	male
North West Federal District	5.1	18.7	24	76
Republic of Karelia	1.6	6.7	21	79
Republic of Komi	6.1	27.1	20	80
Arkhangelsk region	0.6	1.0	40	60
including Nenetsky autonomous area	-	4.8	-	100
Vologda region	4.1	14.0	25	75
Kaliningrad region	2.8	12.6	20	80
Leningrad region	7.9	22.4	29	71
Murmansk region	7.9	35.3	19	81
Novgorod region	5.3	23.6	22	78
Pskov region	1.2	16.3	8	92
Saint-Petersburg	6.6	21.4	27	73
South Federal District	3.6	31.6	12	88
Republic of Adygea	3.4	28.4	12	88
Republic of Dagestan	0.2	24.9	1	99
Republic of Ingushetia	-	11.8	-	100
Republic of Kabardino-Balkaria	3.3	41.5	8	92
Republic of Kalmykia	2.0	19.4	10	90
Republic of Karachaevo-Cherkessia	3.9	33.3	12	88
Republic of Northern Osetia – Alania	0.8	21.8	4	96
Chechen Republic	...	...	...	...
Krasnodar Territory	5.6	53.6	11	89
Stavropol Territory	2.5	22.0	11	89
Astrakhan region	2.3	19.7	11	89
Volgograd region	1.7	13.3	13	87
Rostov region	6.5	32.8	19	81



Continued table 2.15

	Per 100 000 population		By sex, %	
	female	male	female	male
Privolzhsky (Volga) Federal District	3.6	22.4	16	84
Republic of Bashkortostan	2.7	17.7	15	85
Republic of Marii El	2.8	16.9	16	84
Republic of Mordovia	0.2	11.6	2	98
Republic of Tatarstan	6.2	33.2	18	82
Republic of Udmurtia	2.4	8.6	24	76
Republic of Chuvashia	2.1	12.5	16	84
Kirov region	0.4	3.2	12	88
Nizhny Novgorod region	1.4	9.2	16	84
Orenburg region	1.3	28.8	5	95
Penza region	2.8	19.7	14	86
Perm region	5.8	30.2	18	82
including Komi-Perm autonomous area	1.4	38.8	4	96
Samara region	7.9	35.5	21	79
Saratov region	3.7	26.7	14	86
Ulyanovsk region	3.2	33.2	10	90
Ural Federal District	4.6	34.2	13	87
Kurgan region	3.3	27.7	12	88
Sverdlovsk region	2.8	22.0	13	87
Tumen region	8.4	51.8	15	85
including:				
Khanty-Mansiysky autono- mous area -Yugra	13.0	61.9	18	82
Yamalo-Nenetsky autonomous area	5.5	48.7	10	90
Chelyabinsk region	4.0	34.4	12	88



Continued table 2.15

	Per 100 000 population		By sex, %	
	female	male	female	male
Siberian Federal District	7.8	52.9	14	86
Republic of Altay	3.8	24.8	14	86
Republic of Buryatia	1.2	22.1	6	94
Republic of Tyva	2.5	54.5	5	95
Republic of Khakassia	2.8	13.4	19	81
Altay Territory	4.8	45.7	11	89
Krasnoyarsk Territory	9.2	54.1	16	84
including:				
Taymyr (Dolgano-Nenetsky) autonomous area	-	10.4	-	100
Evenkia autonomous area	-	-	-	-
Irkutsk region	7.1	87.8	8	92
including Ust-Ordynsky Buryatsky autonomous area	1.4	6.2	20	80
Kemerovo region	16.4	88.6	18	82
Novosibirsk region	9.5	52.2	17	83
Omsk region	2.3	13.4	16	84
Tomsk region	9.1	48.4	17	83
Chita region	5.6	25.8	19	81
including Aginsky Buryatsky autonomous area	-	0.0	-	-
Far East Federal District	8.4	48.4	15	85
Republic of Sakha (Yakutia)	5.2	15.8	26	74
Primorsky Territory	16.4	92.5	16	84
Khabarovsk Territory	6.5	21.7	24	76
Amur region	3.4	60.6	6	94
Kamchatka region	2.9	6.1	31	69
Magadan region	4.4	39.7	10	90
Sakhalin region	4.7	27.1	15	85
Jewish autonomous area	0.4	14.9	2	98
Chukotka autonomous area	-	10.9	-	100



2.16. Morbidity of Pregnant Women

	1995	1999	2000	2001	2002	2003
Pregnant women, total						
thou. persons	1293	1151	1156	1223	1310	1366
percentage	100	100	100	100	100	100
including with disease of ¹⁾ :						
anemia	34	41	44	43	43	42
blood circulation disorders	8	9	10	10	10	14
edemas, albuminuria and hypertension ²⁾	15	19	21	21	22	22
urogenital diseases	13	17	19	19	19	20
vein diseases	2	3	3	3	4	4
diseases of thyroid gland	3	7	8	9	9	9

¹⁾ Diseases before or during pregnancy.

²⁾ Before 1999 - gestosis.



**2.17. Number of Women and Men of 18 Years and Over
Recognized Invalids for the First Time in 2003**

	Female	Male	By sex, %	
			female	male
Invalids – total				
thou. persons	544	548		
percentage	100	100	50	50
of them at working age				
thousand people	207	329		
percentage	38	60	39	61

2.18. Number of Children - Invalids 2003

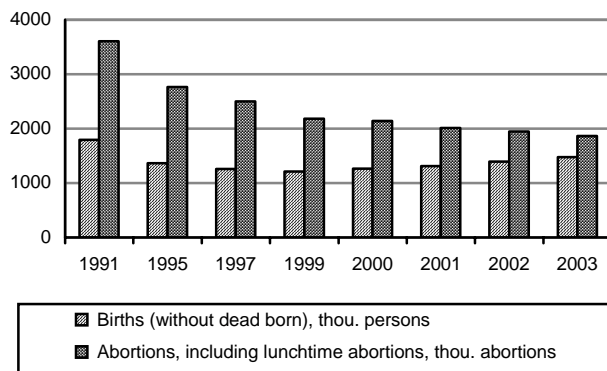
	Girls	Boys	By sex, %	
			girls	boys
Total				
thou. persons	251	353		
percentage	100	100	42	58
of them at age, years:				
0-4	13	12	45	55
5-9	23	22	42	58
10-14	35	36	41	59
15	10	10	41	59
16-17	19	20	41	59



2.19. Abortion by Age Groups 2003¹⁾

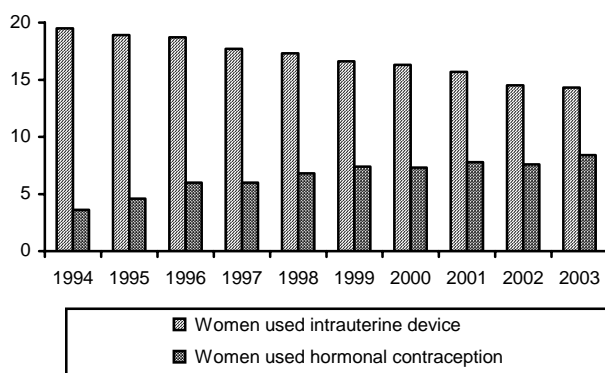
	Number of abortions, thousand	Per 1000 women at age of 15-49 years
Total	1864.6	47.0
including at age, years:		
under 15	1.3	0.1
15-19	189.3	30.6
20-34	1317.6	82.3
35 and over	356.5	20.4

¹⁾ Data for medical establishments of Ministry of Public Health and Social Development, other ministries, agencies, non-public medicare and prophylaxis establishments.

2.20. Number of Births and Abortions in 1991–2003

2.21. Use of Contraception in 1994–2003

Per 100 women at age of 15-49 years



2.22. Medical Doctors by Qualifying Categories in 2003

	Female	Male	By sex, %	
			female	male
Total				
thou. persons	420	189		
percentage	100	100	69	31
of them having category:				
higher	21	27	63	37
first	23	20	71	29
second	8	7	71	29
non	48	46	70	30

