

# Health compulsory insurance state agency

# News No 12

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Eight years have passed since the publication of the first edition "Sickness fund news of 1995 in numbers" issued in 1996, at that time the edition was published by the State sickness fund. Many changes have taken place, but the main assignment of the publication has remained constant – reflection on spending of the state budget resources in health care.

Due to essential changes in the system of sickness funds, the new 12<sup>th</sup> publication has changed the title of the edition to the new one – **Health compulsory insurance state agencies news**. The edition gives a clear reflection on changes carried out in the system of sickness funds. Currently, the payment for health care services for inhabitants is provided both by Health compulsory insurance state agency with its territorial departments in Kurzeme, Latgale, Riga and sickness funds of self-governments. In 2003 only four sickness funds acted in the state – Daugava, Viduslatvija, Ziemeļaustrumi and Pierīga (at the end of 2003 Pierīga sickness fund announced about its liquidation). We left the word – "news " in the title of the edition characterising the essence of the edition since its beginning.

In 2003 Health compulsory insurance state agency had relevant changes, because in accordance with the Law "On public agencies" the former state stock company were reorganised into the state institution acting under surveillance of the Ministry of Health – Health compulsory insurance state agency (hereinafter – the Agency). The main assignment of the Agency is remaining constant – realisation of the state policy to provide availability of health care services to population and administration of financial resources of the state compulsory health insurance. There were also changes in the above stated structure of the territorial departments of the Agency. Optimising the activity of the Agency and estimating financial resources assigned for Latgale region the decision to consolidate Dienvidlatgale and Ziemeļlatgale departments and develop common Latgale department was made. Latgale department began its activity on July 1<sup>st</sup>, 2003.

In 2003 a serious work in realization of the Management information system project begun in 2002 was carried out. Implementation of the project shall provide introduction of contemporary technologies in health care, as well as it shall improve the quality of data and reporting system. Planning of contracts with service providers, as well as analysis and administration of them will improve, procuring more qualitative and complete information. In September of 2003 implementation of the module for in-patient services of management information system was begun, substantially changing the procedure for settlement of accounts for rendered medical services, as well as activity processes of the Agency. Tremendous preparational and explanatory work, training of personnel, preparation of necessary data concerning implementation of the system were carried out. Its planned to introduce this system in a full volume.

At the same time with the administration of resources and improvement of management system, the assignment of the Agency is to give entire information to inhabitants on the spending of the state budget resources. Therefore, we are trying to improve the reflection of information by every next edition. The first part of this edition comprises information on basic financing principles in out-patient, in-patient and emergency medical assistance, as well as information on resources assigned for health care. The second part summarises information on the spending of resources for health care budget programs in 2003 in accordance with the annual law on the state budget. The third part reflects information on showings characterising health care system of Latvia – both the showings of medical institutions and activity of out-patient and in-patient health care financing system.

The Agency expresses thanks to all persons participating in preparation of the edition both summarising information and making proposals. We are also looking forward for your opinion, recommendations, objections and corrections in future.

Health compulsory insurance state agency

# I On the Agency and sickness funds

Health care is financed from the state budget resources in accordance with the annual Law "On the state budget" and programs and financial volumes fixed by this Law.

Health compulsory insurance state agency realises the state policy to provide the availability of health care services, whose main assignment is administration of financial resources of Health compulsory insurance state agency, as well as:

- signing of contracts with sickness funds and medical institutions on provision of health care services paid by the state;
- ensuring of availability to health care services;
- settlement of accounts for health care services, as well as medicaments anticipated for out-patient care, medical equipment and goods;
- information of society on available health care services and procedure for receiving of them, as well as ensuring of necessary assistance for inhabitants to realise their social rights;
- control over possibilities to receive health care services and conformity of assistance to legislation and resolutions and monitoring over spending of the state budget resources in accordance with the signed contracts;
- financing for medical education of residents;
- analytical work on financial and volume showings of health care services, making prognosis on the volume for health care services and estimation of the necessity for these services;
- calculation of prices for health care services;
- elaboration of proposals and financial calculations for introduction of new health care services;
- execution of international contracts in the field of health care;
- forming and actuating the rows for planned type health care service recipients;
- collection of resources within the regress procedure for patients received medical treatment as a result of illegitimate activity or criminal offence.

Two separate juridical structures ensure settlement of accounts for health care services rendered in regions – **Territorial departments** of the Agency, which are structural units of the Agency (acting in accordance with its statute and regulations of the Agency) and **sickness funds** – institutions developed by several self-governments (acting in accordance with the principles of the non-profit organization). Sickness funds conclude contracts with the Agency on provision of minimum of health care services for own sickness fund participants.

The Agency had four territorial departments by July 1<sup>st</sup>, 2003:

**Riga department** (Riga);

**Kurzeme department** (Talsi region, Kuldiga region, Liepaja and Liepaja region, Ventspils and Ventspils region, Saldus region);

**Ziemeļlatgale department** (Rezekne, Rezekne and Ludza regions);

**Dienvidlatgale department** (Daugavpils, Daugavpils and Kraslava regions).

Optimising the activity of the Agency, as well as making analysis on financial support for Latgale region, the decision to consolidate Dienvidlatgale and Ziemeļlatgale departments and develop common Latgale department was made. As of July 1<sup>st</sup>, 2003 Latgale department began its activity. The administrative centre of Latgale department is in Daugavpils.

The following sickness funds were acting in 2003:

**Daugava sickness funds** (Aizkraukle, Ogre, Preiļi and Jekabpils regions);

**Pierīga sickness fund** (Tukums and Riga regions) (liquidation process was begun by the end of 2003, Riga department of the Agency ensures the settlement of accounts for health care services in these territories as from 2004);

**Viduslatvija sickness fund** (Jurmala, Jelgava, Dobeļe and Bauska regions);

**Ziemeļaustrumi sickness fund** (Valka, Cēsis, Gulbene, Balvi, Alūksne, Limbaži, Madona and Valmiera regions).

The main assignments of the territorial departments and sickness funds are:

- signing of contracts on rendering of health care services with medical institutions;
- signing of contracts on provision of medical remedies for differentiated payment with pharmacies;
- estimation of health care services, quality and costs rendered by medical institutions;
- forming rows for planned type health care service recipients;
- registration of sickness fund participants;
- information of population on possibilities to receive health care services;
- in co-operation with self-governments making inquiries about needs of the population of region for medical health care services.

## II Financing for health care services

### Emergency medical care

The calculation of financing for emergency medical assistance services (EMA) basis on making up of projections for actual expenses of EMA teams. Projections are made up in accordance with the Order No 320 issued by the Ministry of Health on November 19<sup>th</sup>, 2003 on classification of types of EMA teams, id est intensive care, cardiological, psychiatric, children intensive therapy, children physician lines and doctors assistant teams.

A definite number of working loads is paid up determining the volume of resources to be channelled for intensive therapy and specialised emergency medical assistance teams. Medicaments and overhead costs (including costs for fuel) are paid in accordance with the actual expenses. Dispatchers service is calculated like additional payment. Depreciation costs of equipment and vehicles are calculated dividing the value of corresponding equipment by the time of exploitation evaluated in years, but setting not less than 50% of the current volume of depreciation costs.

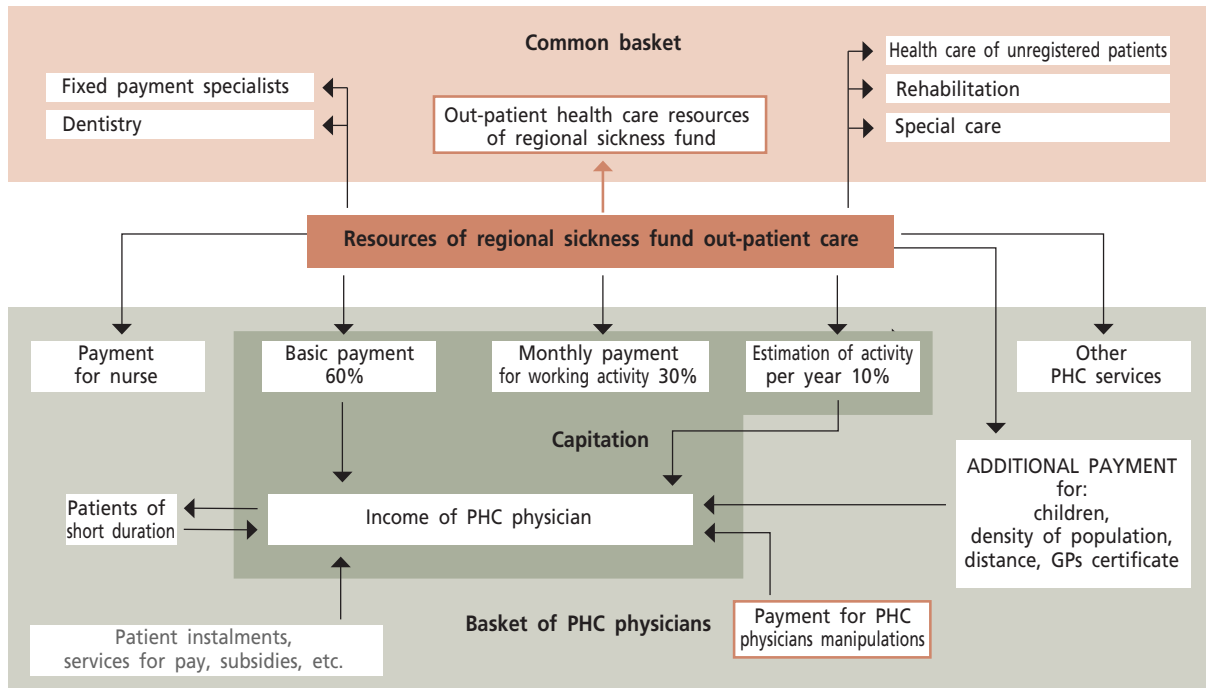
### Payment models for out-patient health care

Out-patient health care comprises primary health care (hereinafter PHC) and secondary out-patient health care (hereinafter SOHC).

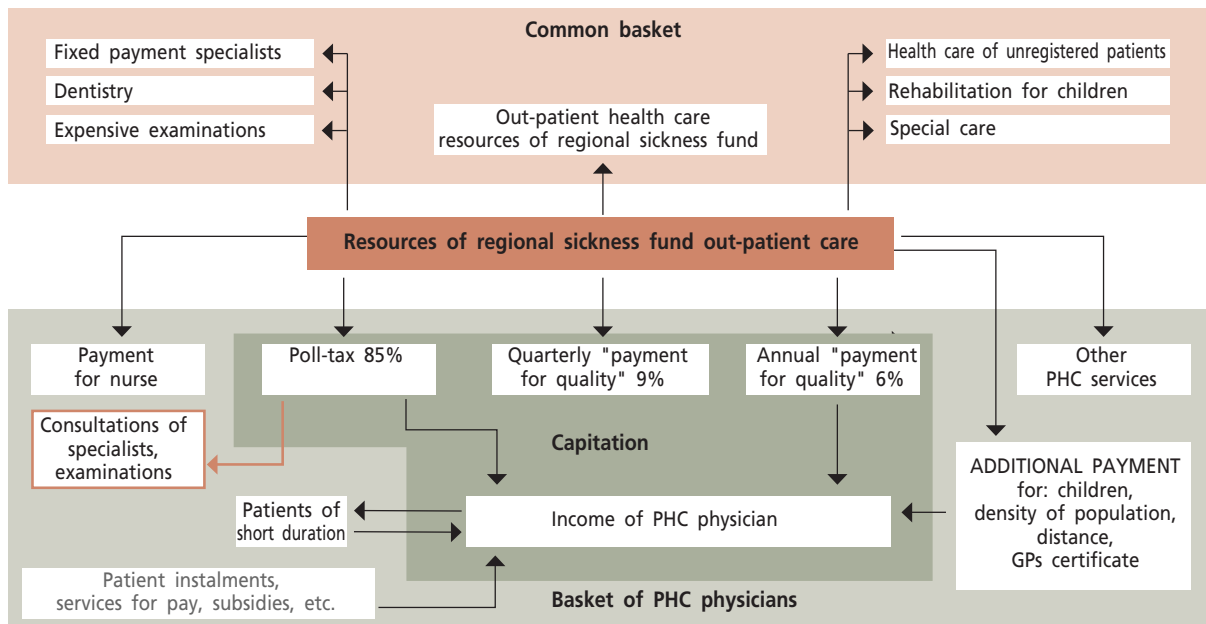
There were two models for financing for health care services in 2003. Payment model in Riga (Riga model) determined by the Regulations No 128 "On approbation of pilot project for payment procedure for out-patient health care services in Riga city" issued by the Ministry of Health on July 1<sup>st</sup>, 2002 and out-patient financing model in other territories of the state (rural model) determined by the Regulations No 240 "On primary health care organization and payment procedure" issued by the Ministry of Welfare on August 23<sup>rd</sup>, 2000.

The main difference between the models refers to the volume of resources being under administration of the primary health care physician (hereinafter – PHC physician):

**Regulations No 128 issued by the Ministry of Welfare on July 1<sup>st</sup>, 2002 (Riga model)**



**Regulations No 240 issued by the Ministry of Welfare on August 23<sup>rd</sup>, 2000 (rural model)**



The both of above stated models have pluses and minuses, therefore the work on elaboration of common model or improvement of the current models is going on. The fourth part of the edition reflects more detailed showings characterising out-patient health care in the state in 2003.

## Payment for health care services rendered by in-patient institutions

The scope of work carried out in in-patient institutions is paid up according to price of bed-day or payment for case.

In-patient institutions are divided into groups by profile and intensity of rendering of services, as follows:

- Multi-profile emergency medical assistance hospitals;
- Specialised one-profile hospitals;
- Local hospitals;
- Regional medical rehabilitation centres;
- Long-stay hospitals;
- Health and social care centres (short-term social care departments);
- Day-time stationary institutions.

Payment for **bed-day** – each group of in-patient institutions has set the limits for bed-day price, which are definitely stipulated by the mutual contract concluded with every medical institution. The price for bed-day is estimated basing on calculation formula for price of health care services. The bed-day price of in-patient institution includes the following price forming elements: salary for physician, paramedical and younger paramedical staff, state social insurance compulsory instalments, overhead costs, medical remedies, feeding and development expenses.

The value of bed-day price formulas elements doesnt include the price of estimation criteria for health care services. It is paid-up in addition to bed-day. The bed-day price formula doesnt contain depreciation costs of buildings and constructions.

**Payment for case** can be applied to multi-profile emergency medical care hospitals, local hospitals or specialised one-profile hospitals. Payment for case is a fixed payment for a definite diagnosis or group of diagnosis. There are following criteria for application of the payment for case:

- number of cases is enough to ensure statistically credible calculation;
- application of payment for case raises efficiency of spending of health care resources and quality of services;
- expenditure of service price essentially differs from medium expenditure of service providers;
- the number of in-patient institutions providing this service is limited.

The price for case is calculated taking into account a definite diagnosis, its expenditure, medium duration of treatment and other criteria.



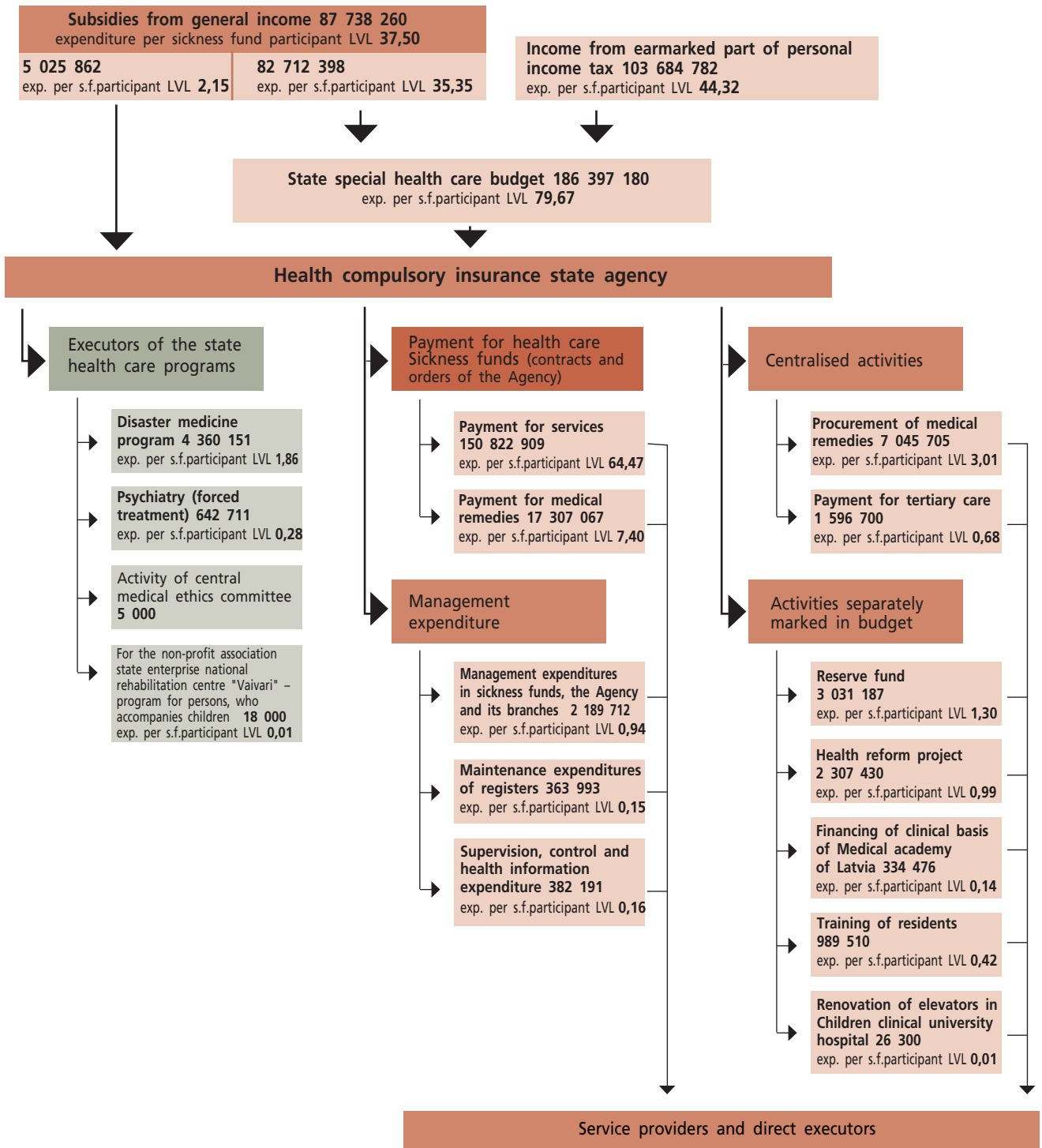
## State compulsory health insurance resources

- Financing scheme for health care services;
- State health care resources and dynamics of income;
- Fulfilment of the state basic budget and special budget programs;
- Fulfilment of the state basic budget and special budget programs by characteristics of program

# III State compulsory health insurance resources

## Financing scheme for health care services

Division being under administration of the Agency (fulfilment in 2003\*\*)

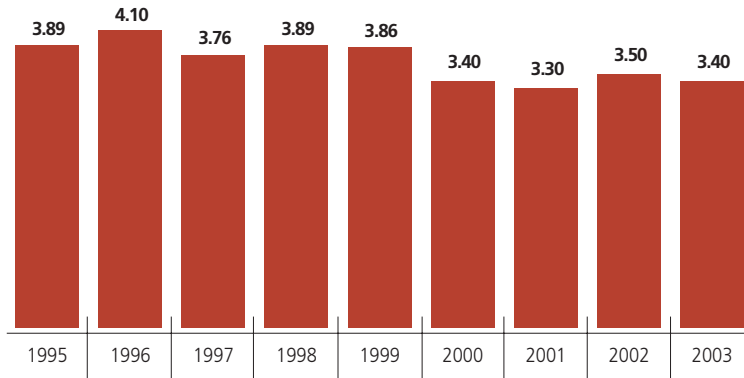


\* calculations were made calculating per sickness fund participant. Number of participants 2 339 566

\*\* services for charge and foreign financial assistance are excluded.

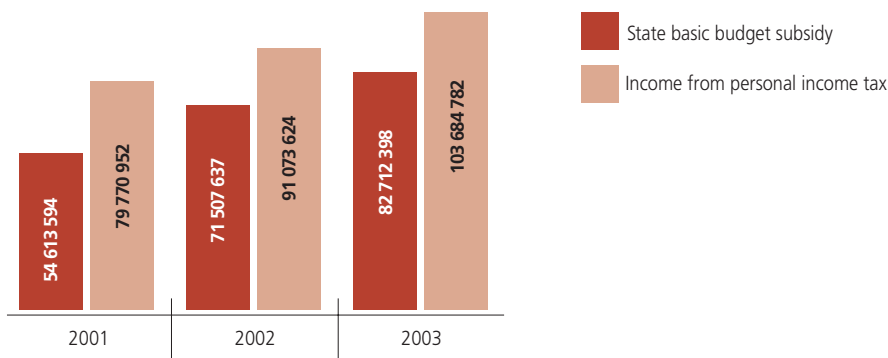
## State health care resources and dynamics of income

State health care expenses as per cent of gross domestic product (at current prices)\*

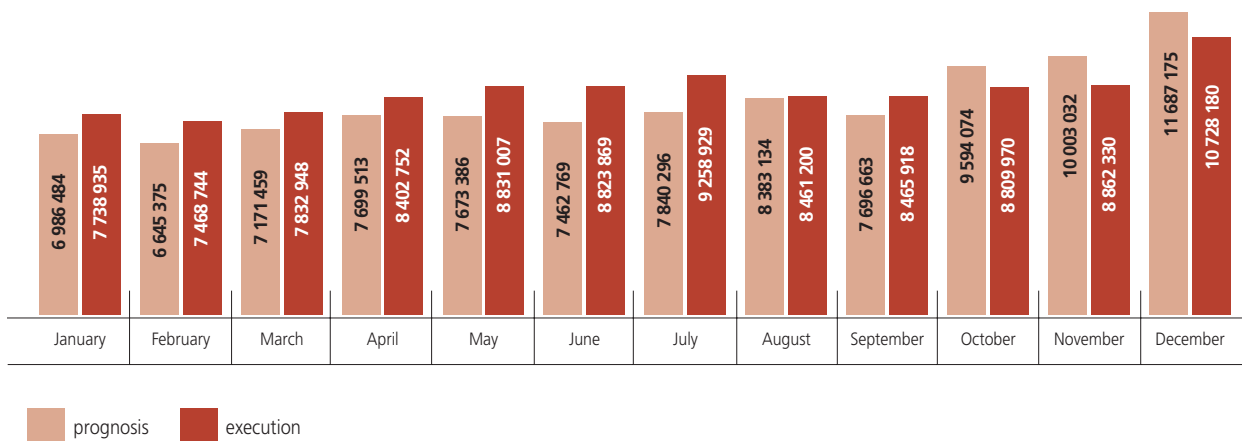


\* data provided by the Ministry of Health

### Dynamics of the state special health care budget income (LVL)



### Fulfilment of personal income tax income as to prognosis in 2003 (LVL)



### Personal income tax money flow by months (LVL)

Month	Actual income in 2001*	Actual income in 2002	Income prognosis for 2003*	Actual income,	Actual income %	Overflow (+), unexecution (-)
January	5 833 536	7 080 627	6 986 484	7 738 935	110,77	752 451
February	5 860 724	6 596 210	6 645 375	7 468 744	112,39	823 369
March	6 466 510	7 318 415	7 171 459	7 832 948	109,22	661 489
April	6 281 976	7 563 214	7 699 513	8 402 752	109,13	703 239
May	6 998 732	7 552 620	7 673 386	8 831 007	115,09	1 157 621
June	6 622 873	7 355 436	7 462 769	8 823 869	118,24	1 361 100
July	6 957 492	7 959 105	7 840 296	9 258 928	118,09	1 418 632
August	6 738 920	7 420 124	8 383 134	8 461 200	100,93	78 066
September	6 116 529	7 019 465	7 696 663	8 465 918	109,99	769 255
October	7 026 377	7 574 532	9 594 074	8 809 970	91,83	-784 104
November	5 990 710	8 119 766	10 003 032	8 862 330	88,60	-1 140 702
December	8 876 573	9 514 110	11 687 175	10 728 181	91,79	-958 994
<b>Total</b>	<b>79 770 952</b>	<b>91 073 624</b>	<b>98 843 360</b>	<b>103 684 782</b>	<b>104,90</b>	<b>4 841 422</b>

\* - of which, income from the capitalised debt of personal income tax in 2001 - LVL 26 645, in 2002 - LVL 32 916, in 2003 - LVL 34 074.

## Fulfilment of the state basic budget and special budget programs

The state health care budget consists of:

- The state basic budget subsidy;
- Income from personal income tax to the tune of 28,4%;
- Services for charge and other income (medical budget institutions, the Agency)

The tabulations on fulfilment of the basic budget and special budget of health care show the programs included within the scope of the law "On the state budget for 2003", assigned under administration of the Agency including the resources from investments to be channelled directly to medical institutions in accordance with the financing plans approved by the Ministry of Health, as well as resources directly received from the services provided by medical budget institutions for charge and utilised in accordance with the financing plans approved by the Ministry of Health.

In accordance with the law " On the state budget for 2003" the common volume of the state health care budget being under administration of the Agency comprises LVL **195 979 464**, including services of medical budget institutions provided for charge, other own earnings and consolidating grant for the special health care budget from the state basic budget to the tune of LVL **82 574 680**.

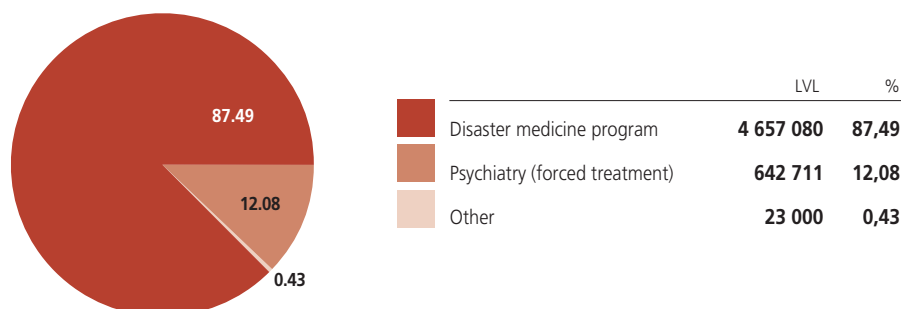
## Fulfilment of the state basic budget programs (LVL)

Showings	Fulfilment in 2001	Fulfilment in 2002	Prognosis for 2003	Fulfilment in 2003	Fulfilment in 2003, %
<b>Available financial resources – total</b>	<b>4 602 013</b>	<b>5 067 096</b>	<b>5 328 112</b>	<b>5 340 724</b>	<b>100,24</b>
Balance on	145	1 681		9244	
<b>Income in total, of which</b>	<b>4 601 868</b>	<b>5 065 415</b>	<b>5 328 112</b>	<b>5 331 480</b>	<b>100,06</b>
Subsidy from general income	4 433 340	4 857 864	5 025 862	5 025 862	100
Services for charge and other own income	168 528	207 551	302 250	305 618	101,11
<b>Expenditure- total, of which</b>	<b>4 600 332</b>	<b>5 057 852</b>	<b>5 328 112</b>	<b>5 322 791</b>	<b>99,9</b>
Maintenance expenses	4 292 090	4 586 852	5 078 439	5 073 122	99,9
Expenses for capital investments	308 242	471 000	249 673	249 669	100
<b>Expenditure – total, of which by subprograms and activities</b>	<b>4 600 332</b>	<b>5 057 852</b>	<b>5 328 112</b>	<b>5 322 791</b>	<b>99,9</b>
Disaster medicine program	4 031 855	4 432 224	4 662 401	4 657 080	99,89
Psychiatry (forced treatment)	568 477	586 428	642 711	642 711	100
Activity of central medicine ethics committee		3 800	5 000	5 000	100
The non-profit association state enterprise national rehabilitation centre "Vaivari" – realisation of reittherapy ward project		3 000			
The non-profit association state enterprise national rehabilitation centre "Vaivari" – project to ensure the rights for children with special needs		7 400			
The non-profit association state enterprise national rehabilitationcentre "Vaivari" – program for persons who accompanies children			18 000	18 000	100
Daugavpils oncological hospital – procurement of fibrovideoendoscopy equipment		25 000			
<b>Balance on</b>	<b>1681</b>	<b>9 244</b>		<b>17 933</b>	

### Planned expenditure from resources collected in two biddings of the new standard UMTS mobile telecommunications licences and privatisation of the state joint stock company "Latvian shipping company" anticipated for financing:

Development of disaster medicine system in Latvia	397 040		
Early diagnostics of children cardiologic diseases and treatment in Latvia	178 000		
Mammography screening program	229 000		
Development of anaesthesiology assistance program	338 000		
Development of emergency medical centre in the non-profit association state joint stock company "P. Stradins clinical university hospital"	150 000		

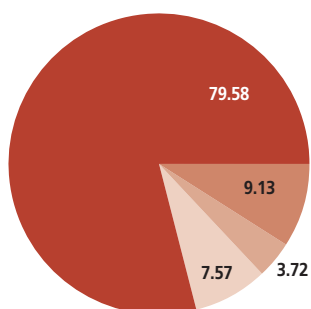
## Fulfilment of the state basic budget programs (%)



### Fulfilment of the state special health care budget programs (LVL)

Showings	Fulfilment in 2001	Fulfilment in 2002	Prognosis for 2003	Fulfilment in 2003	Fulfilment in 2003, %
<b>Available financial resources – total</b>	<b>142 239 295</b>	<b>168 658 319</b>	<b>190 651 352</b>	<b>194 455 513</b>	<b>102</b>
Balance on 01.01.	1 763 166	921 050	3 504 023	3 504 217	
<b>Income in total, of which</b>	<b>137 312 826</b>	<b>165 098 606</b>	<b>184 490 240</b>	<b>189 110 399</b>	<b>102,5</b>
State basic budget subsidy	54 613 594	71 507 637	82 712 398	82 712 398	100
Income from personal income tax	79 770 952	91 073 624	98 843 360	103 684 782	104,9
Services for charge	2 928 280	2 517 345	2 934 482	2 713 219	92,46
<b>Financial assistance from abroad</b>		<b>103 006</b>	<b>1 123 808</b>	<b>331 895</b>	<b>29,53</b>
<b>Loan from the state basic budget</b>	<b>3 163 303</b>	<b>2 535 657</b>	<b>1 533 281</b>	<b>1 509 002</b>	<b>98,42</b>
<b>Expenditures – total, of which</b>	<b>141 318 245</b>	<b>165 154 102</b>	<b>190 651 352</b>	<b>189 519 080</b>	<b>99,41</b>
Maintenance expenses	136 933 595	161 509 668	187 649 494	187 279 046	99,8
Expenses for capital investments	4 384 650	3 644 434	3 001 858	2 240 034	74,62
<b>Expenditure – total, of which by subprograms and activities</b>	<b>141 318 245</b>	<b>165 154 102</b>	<b>190 651 352</b>	<b>189 519 080</b>	<b>99,41</b>
Payment for medical remedies to sickness funds	11 474 442	17 744 267	17 307 067	17 307 067	100
Payment for services	106 338 692	125 874 803	150 824 893	150 822 909	100
Financing of clinical basis of Medical Academy of Latvia	213 229	284 305	334 476	334 476	100
Procurement of medical remedies (centralised)	7 978 198	6 733 972	7 045 705	7 045 705	100
Payment for tertiary medical care services	8 124 392	3 011 261	3 425 405	3 345 925	97,68
Training of residents	721 157	773 209	989 510	989 510	100
Management expenses in sickness funds, the Agency and its branches	1 930 512	2 182 394	2 389 715	2 354 540	98,53
Supervision, control and health information expenses	278 357	333 883	382 200	382 191	100
Maintenance expenses of registers	454 689	408 533	363 993	363 993	100
Reserve fund	590 658	3 099 795	3 031 250	3 031 187	100
Services for charge	1 428 463	981 193	1 075 154	875 952	81,47
Health reform project	1 730 489	3 209 416	2 331 876	2 307 430	98,95
Technical monitoring over projects financed by foreign countries	6 567	125 071	1 123 808	331 895	29,53
Realisation P. Stradins Clinical university hospital Neurology clinic development conception, procurement of medical equipment	13 000				
Reconstruction of the state prenatal care centre in P. Stradins Clinical university hospital		35 400			
Oncological centre – the second stage of the liner accelerator (linac)			350 000		
Children clinical university hospital- ultrasound diagnostics of new-born pathologies and pathologies of hip joints by Prof. Reinhold Grens method			5 000		
Children clinical hospital – renovation of elevator for patients		15 000	26 300	26 300	100
Children cardio-surgery centre of Latvia – procurement of wheel-ergometric equipment		10 000			
The non-profit association limited liability company health centre "Bikernieki" – renovation of medical equipment and equipment for medical rehabilitation rooms		12 000			
<b>Balance on 01.01.</b>	<b>921 050</b>	<b>3 504 217</b>		<b>4 936 433</b>	

## Fulfilment of the state special health care budget programs (%)



	LVL	%
Payment for services	150 822 909	79,58
Payment for medical remedies to sickness funds	17 307 067	9,13
Procurement of medical remedies	7 045 705	3,72
Other:		7,57
Payment for tertiary medical care	3 345 925	1,77
Reserve fund	3 031 187	1,60
Management expenses in sickness funds, the Agency and its branches	2 354 540	1,24
Health reform project	2 307 430	1,22
Financing of Clinical bases of LMA	334 47	0,18
Training of residents	989 51	0,52
Services for charge	875 95	0,46
Supervision, control and health information expenses	382 191	0,20
Maintenance expenses of registers	363 993	0,19
Technical monitoring over implementation of projects financed by foreign countries	331 895	0,18
Children clinical hospital - renovation of elevator for patients	26 300	0,01

# Fulfilment of the state basic budget and special budget programs by characteristics of programs

## Payment for services

Financial resources of the subprogram "**Payment for services**" are anticipated to provide the minimum of health care services for emergency, out-patient and in-patient medical assistance guaranteed by the state.

The Agency channels resources for payment of health care resources taking into account the system of coefficients confirmed by the Health Minister, as well as number, age, peculiarities of social groups of participants of sickness funds and other criteria. The Agency and sickness funds settle accounts on health care services in accordance with the contracts concluded with medical institutions.

In 2003 the financing of sickness funds for payment for health care services in comparison with 2002 has increased, id est for 24,95 mln or 16,5%. The increase of resources is connected with the allotment of resources to increase the minimum salary/pay, increase of salary to provide S element (salary) and I element (social insurance instalments made by employer) of the formula for calculation of price for health care services. In accordance with the Order No 401 "On execution of strike demands" issued by the Cabinet of Ministers on July 26th, 2002 and the Regulations No 535 "On minimum salary per month and minimum tariff/rate for hour" issued by the Cabinet of Ministers on September 23rd, 2003, the increase of salary is included in the price of services planning the salary on average LVL 190 (salary for physicians on average LVL 290,70; paramedical staff – LVL 169,10; younger paramedical staff LVL 121,68).

## Financing for payment for medical services (LVL)

Sickness fund	Financing in 2001		Financing in 2002		Financing in 2003	
	total sum	per participant	total sum	per participant	total sum	per participant
<b>Daugava sickness fund</b>	<b>9 644 391,00</b>	<b>49,26</b>	<b>10 920 560,00</b>	<b>55,78</b>	<b>12 957 614,46</b>	<b>66,43</b>
<b>Pieriga sickness fund</b>	<b>8 618 555,00</b>	<b>43,97</b>	<b>10 033 035,00</b>	<b>51,18</b>	<b>11 377 343,06</b>	<b>58,17</b>
<b>Viduslatvija sickness fund</b>	<b>11 367 218,00</b>	<b>46,02</b>	<b>13 745 514,00</b>	<b>55,65</b>	<b>16 157 104,58</b>	<b>65,70</b>
<b>Ziemelastrumi sickness fund</b>	<b>15 144 058,00</b>	<b>47,66</b>	<b>17 463 236,00</b>	<b>54,96</b>	<b>20 216 835,27</b>	<b>63,91</b>
<b>The Agency:</b>						
<b>Kurzeme department</b>	<b>14 151 340,00</b>	<b>45,06</b>	<b>16 736 113,00</b>	<b>53,29</b>	<b>19 936 378,51</b>	<b>63,68</b>
<b>Latgale department, of which*</b>	<b>14 353 150,00</b>	<b>47,44</b>	<b>17 371 801,00</b>	<b>57,11</b>	<b>20 566 529,18</b>	<b>68,04</b>
"Dienvidlatgale sickness fund"	8 916 838,00	46,78	10 995 449,00	57,69		
"Ziemellatgale sickness fund"	5 436 312,00	47,86	6 376 352,00	56,13		
<b>Riga department</b>	<b>36 431 578,00</b>	<b>47,10</b>	<b>44 415 745,00</b>	<b>44,79</b>	<b>53 451 735,86</b>	<b>69,30</b>
<b>On the whole</b>	<b>109 710 290,00</b>	<b>46,72</b>	<b>130 686 004,00</b>	<b>55,65</b>	<b>154 663 540,92</b>	<b>66,11</b>

### Of which:

	The special health care budget subprogram "Payment for services"		Resources remitted from Russian Federation for health care of military pensioners		The program "Reserve fund"		Other income (from regression demands, bank interest, etc.)		Patient payments	
	total sum	per partic.	total sum	per partic.	total sum	per partic.	total sum	per partic.	total sum	per partic.
Daugava sickness fund	12 392 273,00	63,53	17 086,86	0,09	3 860,60	0,02	12 791,00	0,07	531 603,00	2,73
Pieriga sickness fund	10 691 939,00	54,66	29 666,74	0,15	3 284,00	0,02	3 675,50	0,02	648 777,82	3,32
Viduslatvija sickness fund	15 320 515,00	62,30	49 228,58	0,20	4 924,00	0,02	25 293,00	0,10	757 144,00	3,08
Ziemelastrumi sickness fund	19 155 120,00	60,55	15 161,87	0,05	7 589,40	0,02	68 910,00	0,22	970 054,00	3,07
<b>The Agency:</b>										
Kurzeme department	19 147 695,00	61,17	59 195,51	0,19	6 022,00	0,02	24 519,00	0,08	698 947,00	2,23
Latgale department*	20 021 581,00	66,24	94 143,18	0,31	6 080,00	0,02	12 469,00	0,04	432 256,00	1,43
Riga department	50 412 857,98	65,36	451 272,88	0,59	7 876,00	0,01	66 908,00	0,09	2 512 821,00	3,26
<b>On the whole</b>	<b>147 141 980,98</b>	<b>63,89</b>	<b>715 755,62</b>	<b>0,31</b>	<b>39 636,00</b>	<b>0,02</b>	<b>214 565,50</b>	<b>0,09</b>	<b>6 551 602,82</b>	<b>2,80</b>

\* as of July 1st, 2003 Ziemellatgale and Dienvidlatgale sickness funds were united and Latgale department was developed.

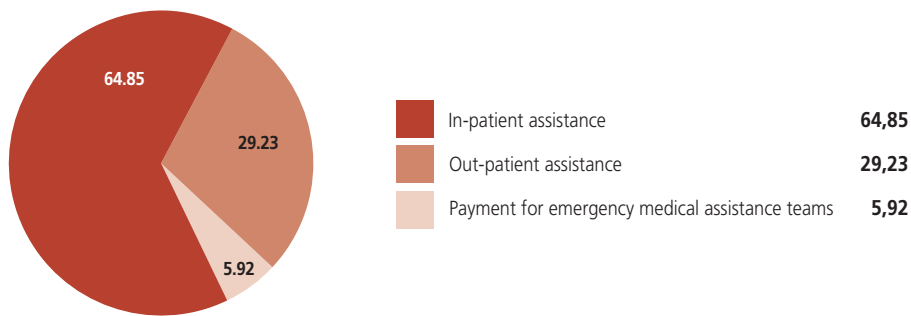
## Scope of work performed by medical institutions in fact and financing for payment for medical services

Sickness fund	Scope of work performed by medical institutions (within the framework of concluded agreements) (LVL)		Financing for payment for medical services (LVL)		Financing as to the scope of work performed by medical institutions (%)
	Total	per participant	Total	per participant	
Daugava sickness fund	13 996 156,79	71,75	12 957 614,46	66,43	92,58
Pieriga sickness fund	11 084 517,26	56,67	11 377 343,06	58,17	102,64
Viduslatvija sickness fund	17 053 282,00	69,34	16 157 104,58	65,70	94,74
Ziemeļaustrumi sickness fund	20 395 215,00	64,47	20 216 835,27	63,91	99,13
The Agency:					
Kurzeme department	20 143 242,00	64,35	19 936 378,51	63,68	98,97
Latgale department	21 568 351,00	71,35	20 566 529,18	68,04	95,36
Rīga department	53 552 262,47	69,43	53 451 735,86	69,30	99,81
<b>In the state on the whole</b>	<b>157 793 026,52</b>	<b>67,45</b>	<b>154 663 540,92</b>	<b>66,11</b>	<b>98,02</b>

Scope of work performed by medical institutions (within the framework of concluded agreements)	<b>157.79</b> mln lats
Financing for payment for medical services	<b>154.66</b> mln lats

### Division of the state financed services by per cent

Sickness fund	Payment for emergency medical assistance teams (%)	Payment for out-patient services (%)	Payment for in-patient services (%)
Daugava sickness fund	7.4	33.0	59.7
Pieriga sickness fund	7.2	31.6	61.2
Viduslatvija sickness fund	4.6	28.8	66.6
Ziemeļaustrumi sickness fund	5.4	28.6	66.0
<b>The Agency</b>			
Kurzeme department	6.3	28.4	65.3
Latgale department	6.0	29.5	64.5
Rīga department	6.4	33.2	60.5
On average in the state	5.9	29.2	64.9
Planned (fixed by contracts)	>5.3	>30.0	<64.7



## Payment for medical remedies

The resources planned for the subprogram "**Payment for medical remedies**" are spent to compensate the expenses concerning the procurement of drugs, medical remedies and goods (hereinafter in tabulations – **medical remedies to be recompensed**) to provide out-patient care in accordance with the regulations No 428 "Procedure for compensation of expenses connected with procurement of drugs, medical remedies and goods to provide out-patient care" issued by the Cabinet of Ministers on November 4th, 1998. The Regulations anticipate that patients are able to procure drugs, medical remedies and goods, expenses of which in accordance with the diagnosis of disease, category of compensation and the base price of compensation have to be covered by the Agency or sickness fund from the State compulsory health insurance resources.

The system of compensation is one of mechanisms to provide availability of drugs for patients suffering from nasty and chronic illnesses in out-patient treatment, respectively decreasing the need for in-patient treatment and minifying spreading of danger illnesses among society.

### Dynamics of resources anticipated and spent for medical remedies to be recompensed by years

Year	Assigned resources*	Decrease (-), increase (+)	Utilised medicaments and medical remedies	Decrease (-), Increase(+)	Deficit (-) Surplus(+)
2001.	11 474 442,19	4 251 885,19	12 438 832,67	4 684 265,69	-964 390,48
2002.	17 744 267,00	6 269 824,81	15 818 224,95	3 379 392,28	1 926 042,05
2003.	17 479 666,79	-264 600,21	18 568 648,07	2 750 423,12	-1 088 981,28

\* from the subprogram "Payment for medical remedies" and other sources.

### Commitments of debtors and creditors

Showings	Total	Regional sickness funds				The Agency		
		Daugava sickness fund	Pierīga sickness fund	Viduslatvija sickness fund	Ziemeļaustrumi sickness fund	Kurzeme department	Latgale department	Rīga department
Debts of debtors balance on 01.01.2003.	696 459,50	161 573,47	177 680,71	46 209		8 296,18	2 772,16	299 927,98
Commitments (creditors) balance on 01.01.2003.	270 406,94					8 296,18	24 294,27	237 816,49
Debts of debtors balance on 01.01.2004.	186 002,15	83 161,42				72,00	5 050,35	97 718,38
Commitments (creditors) balance on 01.01.2004.	1 062 718,18		110 153,80	5 272	112240,25	325 722,00	83 867,19	425 462,94

## Spending of resources for medicaments and medical goods

	Regional sickness funds							
	Daugava sickness fund		Pieriga sickness fund		Viduslatvija sickness fund		Ziemeļaustrumi sickness fund	
	Money flow	Actual expenses	Money flow	Actual expenses	Money flow	Actual expenses	Money flow	Actual expenses
Balance on 01.01.2003.	X	X	X	X	X	X	X	X
<b>Income – total</b>	<b>1 397 383,63</b>	<b>1 397 383,63</b>	<b>1 390 724,93</b>	<b>1 390 724,93</b>	<b>1 815 262,00</b>	<b>1 815 262,00</b>	<b>2 307 706,04</b>	<b>2 307 706,04</b>
From the program "Payment for medical remedies"	1 395 366,00	1 395 366,00	1 387 224,00	1 387 224,00	1 721 329,00	1 721 329,00	2 305 916,00	2 305 916,00
From the program "Services for charge" for services rendered to military pensioners of Russian Federation	2 017,63	2 017,63	3 500,93	3 500,93	5 810,44	5 810,44	1 790,04	1 790,04
Other sources of resources (from the program "Payment for services")					88 122,56	88 122,56		
<b>Expenditure – total</b>	<b>1 397 383,63</b>	<b>1 475 795,68</b>	<b>1 343 591,90</b>	<b>1 631 426,41</b>	<b>1 815 262,00</b>	<b>1 820 534,00</b>	<b>2 187 260,29</b>	<b>2 299 500,54</b>
<b>Medicaments and medical remedies for differentiated payment</b> in accordance with the Regulations No 428 "Procedure for compensation of expenses concerning procurement of drugs, medical remedies and goods to provide out-patient care" issued by the Cabinet of Ministers	1 314 222,21	1 475 795,68	1 343 591,90	1 631 426,41	1 774 325,00	1 820 534,00	2 187 260,29	2 299 500,54
Fulfilment of commitments in					5 272,00			
Advance payment for medicaments and medical goods in 2003	83 161,42							
Medicaments for out-patient care								
Balance of resources on 01.01.2004	0,00	X	47 133,03	X	0,00	X	120 445,75	X

### Continuation of tabulation

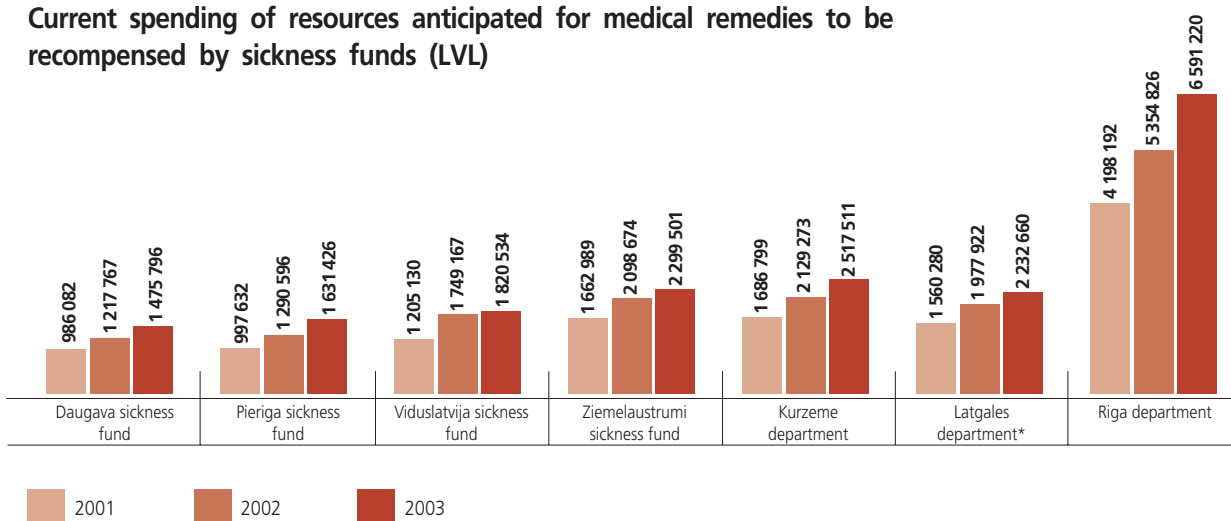
	The Agency						Total	
	Kurzeme department		Latgale department		Riga department			
	Money flow	Actual expenses	Money flow	Actual expenses	Money flow	Actual expenses	Money flow	Actual expenses
Balance on 01.01.2003.	X	X	X	X	X	X	X	X
<b>Income – total</b>	<b>2 191 860,53</b>	<b>2 191 860,53</b>	<b>2 175 365,42</b>	<b>2 175 365,42</b>	<b>6 201 364,24</b>	<b>6 201 364,24</b>	<b>17 479 666,79</b>	<b>17 479 666,79</b>
From the program "Payment for medicaments"	2 184 874,00	2 184 874,00	2 164 255,00	2 164 255,00	6 148 103,00	6 148 103,00	17 307 067,00	17 307 067,00
From the program "Services for charge" for services rendered to military pensioners of Russian Federation	6 986,53	6 986,53	11 110,42	11 110,42	53 261,24	53 261,24	84 477,23	84 477,23
Other sources of resources (from the program "Payment for services")							88 122,56	88 122,56
<b>Expenditure – total</b>	<b>2 191 860,53</b>	<b>2 517 511,00</b>	<b>2 175 365,42</b>	<b>2 232 660,15</b>	<b>6 201 364,24</b>	<b>6 591 220,29</b>	<b>17 312 088,01</b>	<b>18 568 648,07</b>
Medicaments and medical remedies for differentiated payment in accordance with the Regulations No 428 "Procedure for compensation of expenses connected with procurement of drugs, medical remedies and goods to provide out-patient care" issued by the Cabinet of Ministers	2 191 788,53	2 516 622,59	2 146 020,80	2 232 660,15	5 760 379,37	6 284 808,51	16 753 253,57	18 261 347,88
Fulfilment of commitments in 2002	0,00		24 294,27		237 816,49		267 382,76	
Advance payment for medicaments and medical goods in 2003	72,00		5 050,35		97 718,38		186 002,15	
Medicaments for out-patient care		888,41			105 450,00	306 411,78	105 450,00	307 300,19
<b>Balance of resources on 01.01.2004</b>	<b>0,00</b>	<b>X</b>	<b>0,00</b>	<b>X</b>	<b>0,00</b>	<b>X</b>	<b>167 578,78</b>	<b>X</b>

## Spending of resources assigned for medical remedies to be recompensed by sickness funds

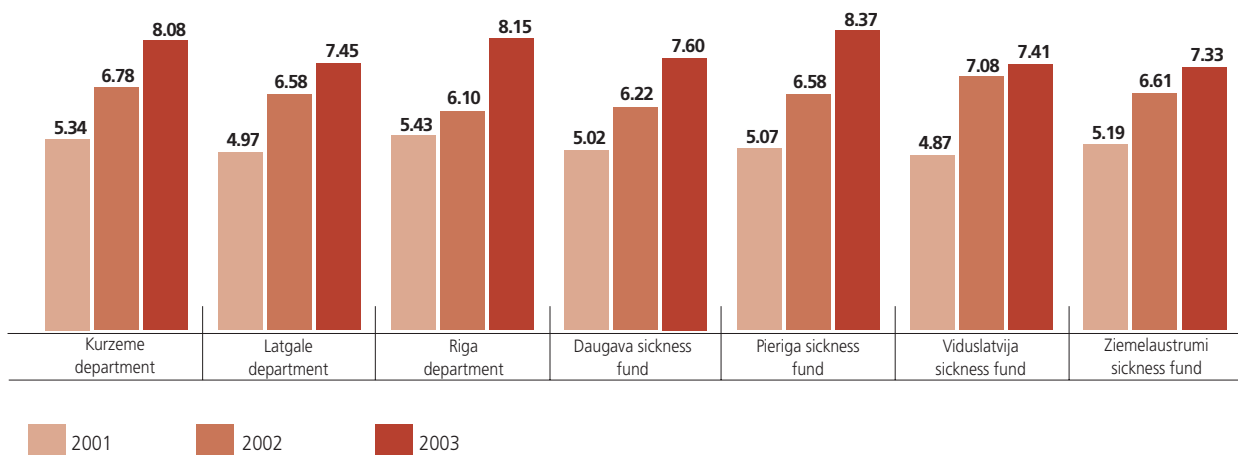
No	Sickness funds, department of the Agency	Assigned financing*			Actual expenditure		
		2001	2002	2003	2001	2002	2003
1	Daugava sickness fund	938 603,00	1 426 819,00	1 397 383,63	986 082,13	1 217 766,53	1 475 795,68
2	Pieriga sickness fund	933 491,00	1 443 905,00	1 390 724,93	997 631,56	1 290 596,05	1 631 426,41
3	Riga district sickness fund	3 793 645,00	1 552 887,00		4 198 191,83	640 088,06	
4	Viduslatvija sickness fund	1 186 525,00	1 813 981,00	1 815 262,00	1 205 130,00	1 749 167,00	1 820 534,00
5	Ziemeļaustrumi sickness fund	1 506 416,00	2 321 903,00	2 307 706,04	1 662 988,63	2 098 674,44	2 299 500,54
The Agency:							
6	Kurzeme department	1 541 910,00	2 274 162,00	2 191 860,53	1 686 798,55	2 129 273,45	2 517 511,00
7	Latgale department, of which	1 432 122,00	2 133 762,00	2 175 365,42	1 560 279,78	1 977 921,93	2 232 660,15
8	"Dienvidlatgale sickness fund"	912 780,00	1 351 755,00		1 045 611,66	1 196 158,73	
9	"Ziemeļlatgale sickness fund"	519 342,00	782 007,00		514 668,12	781 763,20	
10	Riga department		4 776 848,00	6 201 364,24		4 714 737,49	6 591 220,29
11	Payment for insulin preparations	141 730,19			141 730,19		
<b>TOTAL</b>		<b>11 474 442,19</b>	<b>17 744 267,00</b>	<b>17 479 666,79</b>	<b>12 438 832,67</b>	<b>15 818 224,95</b>	<b>18 568 648,07</b>

\* from the subprogram "Payment for medical remedies" and other sources

## Current spending of resources anticipated for medical remedies to be recompensed by sickness funds (LVL)



## Current spending of remedies to be recompensed per patient of sickness fund (LVL)



## Expenditure of medical remedies to be compensated anticipated for out-patient treatment by diagnosis of diseases

Group of diseases/diagnoses	2001			2002			2003		
	Number of prescriptions	Actual expenses LVL	% of total	Number of prescriptions	Actual expenses LVL	% of total	Number of prescriptions	Actual expenses LVL	% of total
<b>1. Diseases of the eyes and adnexa</b>	<b>101 465</b>	<b>667 581,07</b>	<b>5,43</b>	<b>109 187</b>	<b>909 273,77</b>	<b>5,12</b>	<b>131 489</b>	<b>1 054 068,21</b>	<b>5,77</b>
H40* Glaucoma	4 181	24 528,07		109 152	909 111,66		131 325	1053685,35	
H 40.1 Primary opened angle glaucoma	91 346	596 712,37		101 085	835 542,00		122 243	981 778,89	
H 40.2 Primary closed angle glaucoma	1 289	11 284,64		1 353	11 989,08		1 252	9 054,55	
H 40.3 Secondary glaucoma due to eye trauma	294	1 639,05		404	2 944,97		374	2 864,20	
H 40.4 Secondary glaucoma due to inflammation	230	1 504,71		236	2 138,37		449	3 047,37	
H 40.5 Secondary glaucoma due to other eye diseases	713	4 960,40		840	6 898,21		813	6 973,34	
H 40.6 Secondary glaucoma caused by medicaments	85	490,06		183	1 308,31		175	1 318,37	
H 40.8 Glaucoma of another type	3 289	26 321,13		3 652	34 983,92		5 273	42 785,45	
H10 Conjunctivitis	38	140,64		35	162,11		164	382,86	
<b>2. Diseases of the ears and mastoid process</b>	<b>980</b>	<b>5 438,51</b>	<b>0,04</b>	<b>1 279</b>	<b>8 861,23</b>	<b>0,05</b>	<b>1 076</b>	<b>2 832,80</b>	<b>0,02</b>
H65 Non-suppurative tympanitis (children under 3 years)	980	5 438,51		1 279	8 861,23		1 076	2 832,80	
<b>3. Diseases of blood and blood forming organs and disturbances of immune system</b>				<b>94</b>	<b>63 879,79</b>	<b>0,36</b>	<b>285</b>	<b>348 682,60</b>	<b>1,91</b>
D66 Hereditary VIII factor deficit				76	49 780,73		246	302 826,76	
D67 Hereditary IX factor deficit				18	14 099,06		38	45 852,93	
D86 Sarcoidosis							1	2,91	
<b>4. Diseases of circulatory system</b>							<b>1 237 505</b>	<b>4 928 857,45</b>	<b>26,99</b>
<b>4.1. Rheumatism</b>	<b>371</b>	<b>1 187,65</b>	<b>0,01</b>	<b>162</b>	<b>456,20</b>	<b>0,002</b>	<b>115</b>	<b>339,55</b>	<b>0,002</b>
100 Acute rheumatism without symptoms of heart defects	111	418,01		41	169,11		25	100,18	
101 Acute rheumatism with heart defect	9	15,78		63	127,70		33	69,65	
101.0 Acute rheumatic pericarditis	36	67,72		16	31,37		8	30,83	
101.1 Acute rheumatic endocarditis	40	70,76		18	41,48		9	22,22	
101.2 Acute rheumatic myocarditis	15	22,50		6	4,23		4	4,32	
101.8 Acute rheumatic heart diseases of another kind	22	42,88		22	45,18		12	12,28	
102* Rheumatic chorea	12	33,41		18	49,70		21	27,31	
102.0 Rheumatic chorea with heart defect							10	12,55	
102.9 Rheumatic chorea without symptoms of heart defects							0	0,00	
105* Rheumatic diseases of mitral valve	64	233,35		18	48,56		26	107,92	
105.0 Mitral stenosis							8	23,47	
105.1 Rheumatic mitral insufficiency							2	3,97	
105.2 Mitral stenosis with insufficiency							3	22,12	
105.8 Other diseases of mitral valve							5	24,08	
106* Rheumatic diseases of aortic valve	17	66,91		4	6,55		4	11,05	
106.0 Rheumatic stenosis of aorta							3	4,93	
106.1 Rheumatic aortic insufficiency							0	0,00	
106.2 Rheumatic stenosis of aorta with insufficiency							0	0,00	
106.8 Other rheumatic diseases of aortic valve							0	0,00	
107* Rheumatic diseases of tricuspid valve	1	1,11					1	9,60	
107.0 Tricuspid stenosis with insufficiency							0	0,00	
107.1 Tricuspidal insufficiency							0	0,00	
107.2 Tricuspidal stenosis with insufficiency							0	0,00	
107.8 Other diseases of tricuspid valve							0	0,00	
108* Diseases of several valves	30	167,65		9	19,35		3	4,77	
108.0 Disease of mitral and aortic valve							2	1,50	
108.1 Disease of mitral and tricuspid valve							0	0,00	
108.2 Disease of aorta and tricuspid valve							0	0,00	
108.3 Combined disease of mitral, aorta and tricuspid valve							0	0,00	
109* Other rheumatic diseases of heart	14	47,57		9	35,23		2	9,07	
109.0 Rheumatic myocarditis							0	0,00	
109.1 Asymptomatic (without any symptoms) ischaemia of myocarditis							0	0,00	
109.2 Chronic rheumatic pericarditis							0	0,00	
109.8 Other concretised rheumatic heart diseases							0	0,00	
109.9 Uncertain rheumatic heart disease							1	1,35	
<b>4.2. Hypertension diseases</b>	<b>544 852</b>	<b>1 996 997,33</b>	<b>16,23</b>	<b>549 860</b>	<b>2 067 250,57</b>	<b>11,75</b>	<b>800 957</b>	<b>3 022 544,00</b>	<b>16,55</b>
110 Essential (primary) hypertension	361 068	1 319 308,31		337 561	1 258 435,66		497 557	1 850 770,33	
111* Hypertension cardiopathy	908	1 001,69		102 667	384 022,17		147 714	563 675,15	

Group of diseases/diagnoses	2001			2002			2003		
	Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses	
		LVL	% of total		LVL	% of total		LVL	% of total
111.0 Hypertension heart disease with (obstruction) cardiac insufficiency	56 010	218 127,03		51 917	202 962,46		75 076	297 527,27	
111.9 Hypertension heart disease without (obstruction) cardiac insufficiency	43 373	159 807,02		47 952	171 835,47		72 009	264 133,05	
112* Hypertension nephropathy	698	136,89		2 021	10 710,09		1 803	9 844,35	
112.0 Hypertension nephropathy with renal insufficiency	2 199	14 176,49		1 506	8 199,10		1 390	8 100,64	
112.9 Hypertension nephropathy without renal insufficiency	1 206	6 370,55		459	2 239,81		394	1 634,51	
113* Hypertension cardioneuropathy	3 164	8 962,12		10 029	45 208,55		7 434	32 641,19	
113.0 Hypertension cardiopathy and nephropathy with obstruction cardiac insufficiency	7 665	25 843,35		3 105	11 784,54		3 029	11 788,13	
113.1 Hypertension cardiopathy with renal insufficiency	491	2 291,82		837	4 105,48		601	2 900,58	
113.2 Hypertension cardiopathy with (obstruction) heart and renal insufficiency	740	3 849,48		3 659	17 366,86		2 190	9 969,79	
113.9 Indefinite hypertension cardiopathy and nephropathy	2 161	5 713,04		2 349	11 598,42		1 602	7 913,77	
115* Secondary hypertension	5 214	23 058,23		97 582	368 874,10		146 449	565 612,98	
115.0 Renovascular hypertension	13 326	47 849,23		10 950	47 598,81		15 670	68 388,13	
115.1 Secondary hypertension due to other renal diseases	3 665	14 837,81		5 455	33 762,96		4 743	24 854,36	
115.2 Secondary hypertension due to endocrine diseases	4 764	18 569,10		6 331	25 047,77		9 779	40 349,66	
115.8 Secondary hypertension of other type	27 435	87 670,32		36 451	119 975,26		48 003	168 079,63	
115.9 Indefinite secondary hypertension	10 765	39 424,85		35 160	128 741,98		65 916	254 640,15	
<b>4.3. Heart ischemic diseases, in the aggregate</b>	<b>122 501</b>	<b>445 867,17</b>	<b>3,62</b>	<b>128 001</b>	<b>469 918,57</b>	<b>2,67</b>	<b>156 226</b>	<b>608 870,44</b>	<b>3,33</b>
120* Angina pectoris (stenocardia)	1 858	3 992,41		59 835	213 532,25		74 793	258 539,55	
120.0 Unstable stenocardia	15 043	55 814,85		15 775	61 722,63		21 407	77 996,87	
120.1 Stenocardia with proved spasm of coronary blood vessels	8 566	32 622,78		9 229	34 688,75		11 204	39 034,75	
120.8 Other forms of stenocardia	24 376	83 968,20		25 048	88 067,31		32 185	111 149,27	
120.9 Indefinite stenocardia	7 325	23 178,50		8 234	23 814,66		9 316	27 883,02	
121* Acute myocardial infarction	679	1 859,58		1 265	2 302,70		1 090	2 304,98	
121.0 Acute transmural myocardial infarction of frontal wall	791	1 483,47		640	1 251,82		549	1 161,53	
121.1 Acute transmural myocardial infarction of lower wall	201	422,66		121	246,77		115	203,38	
121.2 Acute transmural myocardial infarction of other localization	242	463,53		177	277,65		170	354,51	
121.3 Acute transmural myocardial infarction of indefinite localization	26	38,90		30	30,08		22	29,44	
121.4 Acute subendocardial myocardial infarction	84	134,92		85	143,06		95	235,90	
121.9 Indefinite acute myocardial infarction	212	360,03		195	322,70		120	287,10	
125* Chronic heart ischemia disease	3 251	10 588,72		66 901	254 083,62		80 343	348 025,91	
125.0 Atherosclerotic cardiovascular disease	24 380	54 166,74		27 020	57 369,19		32 684	74 015,22	
125.1 Atherosclerotic cardiopathy	1 956	4 352,56		3 833	8 524,15		4 047	8 660,44	
125.2 Endured myocardial infarction	22 068	136 693,46		22 849	143 674,67		30 333	220 681,55	
125.3 Heart aneurysm	106	538,93		132	488,64		123	560,27	
125.4 Aneurysm of coronary artery	44	128,31		54	246,98		49	168,76	
125.5 Ischemic cardiomyopathy	8 070	25 662,02		8 006	26 161,91		9 646	31 854,67	
125.6 Asymptomatic (without any symptoms) ischemia of myocarditis	3 223	9 396,60		2 677	9 808,31		2 792	9 923,45	
<b>4.4. Other heart diseases</b>	<b>140 566</b>	<b>583 037,31</b>	<b>4,74</b>	<b>184 652</b>	<b>850 728,34</b>	<b>4,83</b>	<b>274 319</b>	<b>1 282 722,94</b>	<b>7,02</b>
142* Cardiomyopathy	658	2 589,36		2 168	5 155,60		2 198	5 301,70	
142.0 Dilatation cardiomyopathy	619	1 995,87		684	1 804,95		694	1 826,16	
142.2 Hypertrophic cardiomyopathies of other type	174	683,36		358	953,77		350	1 096,59	
142.8 Cardiomyopathies of other type	332	860,18		1 112	2 329,38		1 139	2 320,40	
147 Paroxysmal tachycardia	1 009	3 987,57		21 377	66 605,26		23 320	23 045,77	
147.1 Supraventricular tachycardia	3 805	14 531,84		4 024	13 309,98		5 371	16 314,37	
147.2 Ventricular tachycardia	965	4 183,55		1 052	4 527,52		1 657	6 731,40	
148 Glittering and fluttering of auricles of the heart	15 127	49 948,43		16 624	49 371,66		22 718	65 829,52	
150* Cardiac insufficiency	3 859	16 859,57		160 442	777 410,16		242 058	1 188 545,95	
150.0 Obstruction cardiac insufficiency	59 661	257 045,96		64 751	317 113,37		105 637	521 254,20	
150.1 Insufficiency of the left ventricle	17 074	71 699,37		20 745	100 889,11		30 274	144 323,57	
150.9 Indefinite cardiac insufficiency	37 283	158 652,25		70 760	339 238,72		104 455	515 434,16	
<b>4.5. Cerebrovascular diseases</b>	<b>4 712</b>	<b>14 050,26</b>	<b>0,11</b>	<b>4 903</b>	<b>16 773,85</b>	<b>0,09</b>	<b>5 152</b>	<b>13 714,84</b>	<b>0,08</b>
160 Subarachnoidal haemorrhage	204	1 632,47		247	2 255,89		181	1 599,34	
161 Intracerebral haemorrhage	582	4 006,85		629	5 248,24		529	4 092,64	
163 Cerebral thrombosis	1 722	3 910,29		1 714	3 844,99		1 676	2 849,71	
167.4 Hypertensive cerebropathy	159	384,55		234	631,56		397	1 011,45	
167.7 Unclassified arteritis of brains	65	218,32		39	95,05		37	46,82	
167.8 Other specified cerebrovascular diseases	1 980	3 897,78		2 040	4 698,12		2 332	4 114,88	

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Group of diseases/diagnoses	2001			2002			2003		
	Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses	
		LVL	% of total		LVL	% of total		LVL	% of total
<b>4.6. Diseases of the arteries, arterioles and capillaries</b>	<b>810</b>	<b>1 000,31</b>	<b>0,01</b>	<b>703</b>	<b>701,04</b>	<b>0,003</b>	<b>736</b>	<b>665,68</b>	<b>0,004</b>
170* Atherosclerosis	59	82,32		703	701,04		736	665,68	
170.2 Atherosclerosis of arteries of extremities	751	917,99		698	688,07		734	663,64	
<b>5. Carcinomas</b>	<b>46 680</b>	<b>546 199,77</b>	<b>4,44</b>	<b>48 993</b>	<b>644 681,62</b>	<b>3,66</b>	<b>54 683</b>	<b>732 518,42</b>	<b>4,01</b>
C00-C14 Lip, mouth cavity and gullet carcinomas	1 454	11 074,41		1 431	14 569,97		1 561	14 822,82	
C15-C26 Carcinomas of digestion organs	9 066	67 978,45		9 186	82 081,72		10 630	97 978,31	
C30-C39 Carcinomas of respiratory and thorax cavity organs	6 290	45 068,76		5 775	47 057,00		5 758	45 877,73	
C40-C41 Carcinoma of bones and joint gistles	445	3 702,95		393	3 935,15		422	4 628,57	
C43-C44 Melanoma and other skin carcinomas	538	3 302,16		592	4 784,67		708	7 073,12	
C45-C49 Carcinomas of methothelial and soft tissue	480	3 957,32		446	4 468,45		552	6 399,53	
C50 Carcinoma of breast	10 620	71 646,12		12 272	87 547,66		14 025	85 379,53	
C51-C58 Carcinomas of female genitals	3 580	24 436,89		3 808	29 534,92		4 017	33 666,38	
C60-C63 Carcinomas of male genitals	7 694	268 084,25		8 639	310 131,44		10 302	370 208,09	
C64-C68 Carcinoma of urine organs	2 864	20 448,97		2 769	27 406,12		2 680	28 635,65	
C69-C72 Eye, brains and other parts of CNS carcinomas	909	4 310,54		972	6 062,89		1 144	6 866,97	
C73-C75 Carcinoma of thyroid gland and other endocrine glands	238	1 794,63		310	2 678,14		271	1 499,01	
C76-C80 Inexactly marked secondary and unlocalized carcinomas	734	8 459,10		643	9 648,96		693	10 568,16	
C81-C96 Lymphoidal, blood creation and congenial tissue carcinomas	1 745	11 344,29		1 654	12 424,80		1 735	13 332,68	
C97 Independent (primary) multiple carcinomas	23	590,93		103	2 349,25		185	5 581,87	
<b>6. Skin and subcutaneous diseases</b>							<b>6 472</b>	<b>64 021,71</b>	<b>0,35</b>
<b>6.1. Bullous dermatosis</b>	<b>58</b>	<b>112,70</b>	<b>0,001</b>	<b>124</b>	<b>307,55</b>	<b>0,001</b>	<b>150</b>	<b>316,04</b>	<b>0,002</b>
L10* Pemphigus	7			124	307,55		150	316,04	
L10.0 Pemphigus vulgaris	42	94,53		96	251,20		118	261,71	
L10.1 Pemphigus vegetans	2	2,93		1	3,21		0	0,00	
L10.2 Pemphigus foliaceus		0	0,00		3	8,58		4	5,63
L10.3 Brazilian pemphigus (fogo selvagem)	0	0,00		1	4 014,00		0	0,00	
L10.4 Pemphigus erythematos	0	0,00		2	1,38		0	0,00	
L10.5 Pemphigus caused by medicaments	0	0,00		2	3,44		0	0,00	
L10.8 Pemphigus of another kind	7	15,24		12	23,62		23	40,80	
<b>6.2. Papulosquamous dermatosis</b>	<b>2 020</b>	<b>17 643,84</b>	<b>0,14</b>	<b>5 821</b>	<b>53 317,02</b>	<b>0,30</b>	<b>6 322</b>	<b>63 705,67</b>	<b>0,35</b>
L40* Psoriasis	150	1 009,09		5 553	52 333,38		6 197	63 380,79	
L40.0 Psoriasis vulgaris	1 411	13 032,51		4 356	41 304,36		5 126	52 468,30	
L40.1 Generalized pustulous psoriasis	73	643,99		214	2 168,50		183	1 766,73	
L40.2 Acrodermatitis continua	3	31,40		11	119,48		31	450,85	
L40.3 Pustulosus palmaris et plantaris	2	8,69		19	275,99		37	718,97	
L40.4 Psoriasis en goutte	1	19,84		64	530,19		76	677,50	
L40.5 Arthropathic psoriasis	67	439,85		157	1 412,89		96	737,25	
L 40.8 Other forms of psoriasis	256	2 275,97		592	5 404,05		607	6 192,53	
L27 Dermatitis caused by drugs of internal application	57	182,50		268	983,64		125	324,88	
<b>7. Diseases of the respiratory system</b>	<b>144 144</b>	<b>916 537,71</b>	<b>7,45</b>	<b>170 963</b>	<b>1 143 035,24</b>	<b>6,50</b>	<b>188 806</b>	<b>1 389 425,73</b>	<b>7,61</b>
J00 Acute nasopharyngitis	189	301,12		321	802,21		203	188,67	
J04 Acute laryngitis and tracheitis	148	244,01		221	1 214,97		64	80,01	
J06 Infection of upper respiratory pipes	626	879,60		1 095	2 619,04		744	634,71	
J11 Influenza	13	38,21		156	1 980,28		65	179,64	
J02 Acute pharyn (children under 3 years)	4 919	10 577,85		16 123	44 453,43		13 978	18 072,09	
J13 Streptococcus pneumoniae (children under 3 years)							0	0,00	
J15 Unclassified bacterial pneumoniae (children under 3 years)							15	90,76	
J16 Unclassified bacterial pneumoniae stimulated by other microorganisms (children under 3 years)							0	0,00	
J18 Pneumoniae stimulated by unspecified microorganisms (children under 3 years)							0	0,00	
J20 Acute bronchitis	2 129	3 945,10		6 286	21 443,10		5 560	8 244,94	
J44 Other chronic obstructive lungs disease	1 601	5 791,94		7 221	26 237,16		9 546	37 536,50	

Group of diseases/diagnoses	2001			2002			2003		
	Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses	
		LVL	% of total		LVL	% of total		LVL	% of total
J45* Asthma	9 487	50 747,76		139 540	1 044 285,05		158 631	1 324 398,41	
J45.0 Prevailing allergic asthma	63 051	432 599,80		64 716	497 987,65		76 124	651 876,24	
J45.1 Unallergic asthma	2 931	19 122,52		2 280	16 218,29		2 794	21 735,35	
J45.8 Mixed type asthma	49 759	331 950,95		55 650	404 431,28		63 146	516 868,55	
J45.9 Unconcretized asthma	9 291	60 338,85		11 568	86 161,26		14 965	122 577,03	
<b>8. Endocrine, alimentary and metabolic diseases</b>	<b>298 637</b>	<b>3 944 032,51</b>	<b>32,06</b>	<b>334 698</b>	<b>4 735 303,85</b>	<b>26,93</b>	<b>405 161</b>	<b>5 240 018,28</b>	<b>28,70</b>
E03* Other variants of hypothyroidism	308	172,42		14 062	27 522,64		20 585	37 133,06	
E03.0 Inherited hypothyroidism with diffusive goitre	2 900	5 460,71		2 819	5 826,89		4 312	7 859,27	
E03.1 Inherited hypothyroidism without goitre	547	1 014,09		531	1 072,68		725	1 344,90	
E03.2 Hypothyroidism caused by medicaments or other exogenous substances	818	1 501,82		909	1 751,60		1 121	2 053,93	
E03.3 Hypothyroidism after infection	166	310,79		206	377,01		230	392,28	
E03.4 Atrophy of thyroid gland (acquired)	598	1 061,50		596	1 151,31		933	1 669,67	
E03.5 Coma of myxoedema	20	43,73		6	19,54		15	26,12	
E03.8 Precised hypothyroidism of another kind	6 997	12 384,46		8 566	16 538,74		13 065	23 491,86	
E10 Diabetes mellitus dependant on insulin	45 321	1 279 508,01		46 900	1 433 994,22		49 990	1 432 699,16	
E10.2 Diabetes mellitus dependant on insulin	4 002	55 400,61		4 861	106 912,30		2 742	46 498,13	
E10.4 With neurological complications	3 520	70 566,78		3 722	80 867,26		4 366	91 266,18	
E11 Diabetes mellitus independent on insulin	206 955	2 208 117,30		209 783	2 696 066,97		294 813	3 253 307,94	
E11.2 With complications of kidneys	9 349	98 939,82		6 584	90 683,99		8 088	80 457,15	
E11.4 With neurological complications	12 088	137 084,51		42 588	198 932,25		15 278	199 593,83	
E22 Hyperfunction of hypophysis	2	15,69		1 976	7 646,64		591	10 138,96	
E22.0 Acromegaly and hypophysar gigantism	99	937,41		1 180	957,36		110	621,44	
E22.1 Hyperprolactinemia	210	1 452,71		297	2 942,14		417	3 581,53	
E22.2 Inadequate secretions of antidiuretical hormone (ADH)	7	123,86		7	15,77		1	8,18	
E22.8 Other variants of hyperfunction of hypothyroidism (precocious puberty of central genesis)	21	1 740,39		59	3 672,14		63	5 927,81	
E23* Hypofunction of hypophysis and other disorders	354	300,68		1 234	45 706,96		1 485	46 292,37	
E23.0 Hypopituitarism	358	1 101,26		249	1 036,88		295	899,31	
E23.1 Hypopituitarism caused by medicaments	40	370,95		186	430,09		41	626,61	
E23.2 Diabetes insipidus	855	35 963,55		959	43 761,27		1 111	44 401,03	
E25 Adrenogenital disorders	2	18,65		102	440,08		144	286,68	
E25.0 Congenital adrenogenital syndrome due to lack of enzymes	90	233,01		206	362,44		116	242,79	
E25.8 Other adrenogenital disorders	24	58,99		68	70,83		28	43,89	
E 27* Other disorders of adrenal glands	14	140,25		767	3 993,46		833	3 189,68	
E27.1 Primary incompetence of cortex of adrenal glands	652	2 789,76		710	3 909,82		828	3 178,32	
E55 Lack of D vitamin	5	68,11		1 331	2 273,14		1 945	2 419,70	
E55.0 Active rachitis	1 202	1 496,36		1 194	2 110,08		1 910	2 380,85	
E78* Metabolism disorders of lipoproteins and other lipidemias	15	152,32		2 372	39 487,94		4 247	36 027,96	
E78.0 Isolated hypercholesterolaemia	320	6 624,41		1 279	17 424,92		1 746	14 627,23	
E78.1 Isolated hypertriglyceridemia	89	1 582,28		410	2 808,02		287	2 348,91	
E78.2 Mixed hyperlipidemia	611	16 386,61		1 118	19 255,00		2 213	19 039,72	
E83 Disorders of mineral metabolism	30	215,63		29	399,80		10	273,90	
E83.0 Disorders of copper metabolism	19	542,87		88	399,80		10	273,90	
E84 Cystic fibrosis	11	90,63		25	376,20		44	433,58	
E84.0 Lungs form of cystic fibrosis	5	20,69		10	146,37		20	139,69	
E84.1 Intestine form of cystic fibrosis	0	0,00		22	21,05		4	43,22	
E84.8 Cystic fibrosis of another kind	0	0,00		17	116,24		8	77,06	
E84.9 Cystic fibrosis, unspecified	13	38,89		5	86,34		12	173,61	
<b>9. Diseases of digestive system</b>							<b>11 839</b>	<b>63 798,37</b>	<b>0,35</b>
<b>9.1. Stomach and duodenum diseases</b>				<b>8 476</b>	<b>35 918,93</b>	<b>0,20</b>	<b>8 626</b>	<b>24 374,60</b>	<b>0,13</b>
K25* Stomach ulcer				3 740	16 361,62		3 869	11 085,83	
K25.3 Acute stomach ulcer without gastric bleeding or perforation				1 778	7 857,00		2 120	5 988,65	
K25.7 Chronic stomach ulcer without gastric bleeding or perforation				1 802	7 912,25		1 737	5 054,97	
K26* Duodenum ulcer				4 544	18 720,08		4 551	12 649,40	
K26.3 Acute duodenum ulcer without gastric bleeding or perforation				2 324	9 835,46		2 558	7 218,53	
K26.7 Acute duodenum ulcer without gastric bleeding or perforation				2 034	8 153,75		1 925	5 263,20	
K27 Unspecified localization peptic ulcer				122	551,38		105	326,61	

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Group of diseases/diagnoses	2001			2002			2003		
	Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses	
		LVL	% of total		LVL	% of total		LVL	% of total
K27.3 Acute inexact localization peptic ulcer without gastric bleeding or perforation				48	248,37		56	177,35	
K27.7 Chronic inexact localization peptic ulcer without gastric bleeding or perforation				65	252,66		49	149,26	
K28 Gastrojejunal ulcer				70	285,85		101	312,76	
K28.3 Acute gastrojejunal ulcer without gastric bleeding or perforation				17	85,05		32	89,60	
K28.7 Chronic gastrojejunal ulcer without gastric bleeding or perforation				53	200,80		69	223,16	
<b>9.2. Non-infectious enteritis and colitis</b>				<b>1 868</b>	<b>28 017,73</b>	<b>0,15</b>	<b>2 593</b>	<b>36 861,80</b>	<b>0,20</b>
K50 Chrons disease (regional enteritis)				192	2 525,53		380	5 212,38	
K51 Ulcerative colitis				1 676	25 492,20		2 213	31 649,42	
<b>9.3. Diseases of liver</b>				<b>544</b>	<b>3 081,70</b>	<b>0,01</b>	<b>620</b>	<b>2 561,97</b>	<b>0,01</b>
K71* Toxic diseases of liver							16	218,01	
K71.5 Toxic damage of liver with chronic active hepatitis (Toxic damage of liver with lupoid hepatitis)				4	77,87		12	127,13	
K73* Chronic hepatitis unclassified				15	230,54		47	402,53	
K73.2 Chronic hepatitis unclassified (Lupoid hepatitis unclassified)				45	468,29		42	392,82	
K74* Fibrosis and atrophic cirrhosis of liver				115	177,26		557	1 941,43	
K74.3 Primary biliary cirrhosis				2 440	486,00		556	1 933,51	
<b>10. Infections and parasitic diseases</b>				<b>16</b>	<b>58,27</b>	<b>0,00</b>	<b>19</b>	<b>51,00</b>	<b>0,0003</b>
<b>10.1. Sexually transmitted diseases prevailing</b>							<b>19</b>	<b>51,00</b>	<b>0,0003</b>
A51 Acute syphilis				16	58,27		19	51,00	
<b>11. Diseases of muscles, skeleton and conjunctive tissue</b>				<b>20 929</b>	<b>86 368,32</b>	<b>0,49</b>	<b>24 904</b>	<b>87 656,23</b>	<b>0,48</b>
<b>11.1. Inflammatory polyartrhy</b>							<b>17 714</b>	<b>65 722,10</b>	<b>0,36</b>
M05* Seropositive rheumatoid arthritis				9 189	31 668,63		10 889	43 269,87	
M05.0 Felys syndrome (Fety)				3 542	12 700,40		4 422	13 730,02	
M05.1 +Rheumatoid disease of lungs (J99.0*)				291	1 216,22		200	670,09	
M05.2 Rheumatoid vasculitis				86	396,20		74	243,52	
M05.3 Rheumatoid arthritis comprising other organs and systems				1 405	4 590,97		1 624	15 717,49	
M05.8 Seropositive rheumatoid arthritis of other kind				3 683	12 203,86		4 500	12 756,04	
M06* Rheumatoid arthritis of other kind				4 790	15 635,37		5 672	15 877,35	
M06.0 Seronegative rheumatoid arthritis				2 977	9 526,40		3 497	9 694,17	
M06.1 Stills disease arisen in adulthood				104	290,13		105	312,05	
M06.2 Rheumatoid bursitis				27	71,24		14	35,68	
M06.3 Rheumatoid nodule				68	208,70		75	183,88	
M06.4 Inflammation polyarthropathy				300	1 179,28		505	1 853,89	
M06.8 Precised rheumatoid arthritis of another kind				1 204	3 989,69		1 454	3 745,03	
M08							1 153	6 574,88	
<b>11.2 Diseases of connective tissue</b>							<b>7 190</b>	<b>21 934,13</b>	<b>0,12</b>
M30* Polyarteritis nodosa and similar states				549	4 697,09		341	2 047,65	
M30.0 Polyarteritis nodosa				178	1 831,52		114	593,96	
M30.1 Polyarteritis with implication of lungs (Charge-Stros)				46	236,63		40	121,02	
M30.2 Juvenile polyarteritis				307	2 510,08		171	1 074,84	
M30.3 Mucacutaneous lymphatic gland syndrome (Kawasaki)				13	68,69		15	256,24	
M32* Systemic lupus superficialis				1 116	9 557,55		1 314	7 613,37	
M32.0 Systemic lupus superficialis induced by medicaments				476	4 330,42		506	3 162,76	
M32.1 Systemic lupus superficialis comprising organs and systems				410	2 793,58		462	2 511,52	
M32.8 Systemic lupus superficialis of other kind				206	2 341,74		338	1 926,01	
M33 Dermatopolymyositis				407	2 050,30		402	1 223,20	
M33.0 Juvenile dermatopolymyositis				100	454,55		104	303,38	
M33.1 Dermatopolymyositis of another kind				121	687,59		106	386,21	
M33.2 Polymyositis				186	908,16		192	533,61	
M34* Systemic scleroderma				358	2 032,65		358	822,68	
M34.0 Progressive systemic scleroderma				201	1 449,78		192	480,70	
M34.1 CR(E)ST syndrome				30	113,32		27	59,16	
M34.2 Systemic scleroderma caused by medicaments and agents				1	13,85		0	0,00	
M34.8 Forms of systemic scleroderma of another kind				115	398,90		123	260,13	
M47 Spondylosis				4 520	20 726,73		4 775	10 227,23	
M47.0 a.spinalis anterior and a.vertebralis compression syndrome				2 627	12 862,24		2 976	6 798,44	

Group of diseases/diagnoses	2001			2002			2003		
	Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses	
		LVL	% of total		LVL	% of total		LVL	% of total
M47.1 Spondylosis of other kind with myelopathy				1 884	7 825,78		1 799	3 428,79	
<b>12. Certain states of perinatal period</b>				<b>69</b>	<b>1 060,36</b>	<b>0,01</b>	<b>84</b>	<b>118,57</b>	<b>0,001</b>
P91 Pathology of cerebrum of new-borns of other kind				49	72,80		60	75,05	
P92 Changes in muscle tone of new-borns				8	42,47		24	43,52	
P96 Pathology of other kind begun in perinatal period				12	945,09		0	0,00	
<b>14. Diseases of the nervous system</b>							<b>121 791</b>	<b>1 562 019,69</b>	<b>8,55</b>
<b>14.1. Extrapyramidal and motion disorders, in the aggregate</b>	<b>23 161</b>	<b>308 726,41</b>	<b>2,51</b>	<b>23 700</b>	<b>345 035,71</b>	<b>1,96</b>	<b>27 473</b>	<b>371 797,58</b>	<b>2,04</b>
G20 Parkinsonism	23 161	308 726,41		23 700	345 035,71		27 473	371 797,58	
<b>14.2. Demyelination CNS diseases</b>	<b>5 865</b>	<b>37 102,14</b>	<b>0,30</b>	<b>6 830</b>	<b>67 377,75</b>	<b>0,38</b>	<b>7 368</b>	<b>50 627,10</b>	<b>0,28</b>
G35 Multiple sclerosis	5 865	37 102,14		6 830	67 377,75		7 368	50 627,10	
<b>14.3 Episodic and paroxysmal disorders</b>	<b>73 441</b>	<b>398 506,55</b>	<b>3,24</b>	<b>72 641</b>	<b>818 473,57</b>	<b>4,65</b>	<b>83 017</b>	<b>1 113 941,15</b>	<b>6,10</b>
G40* Epilepsy	4 346	40 582,42		72 615	818 356,70		82 868	1 113 059,15	
G40.0 Localized idiopathic epilepsy and epilepsy syndromes with initially partial paroxysms	22 575	188 770,87		21 830	251 704,18		25 986	348 500,87	
G40.1 Epileptic syndromes with simple partial paroxysms	5 459	51 067,20		5 213	59 790,45		6 078	80 208,84	
G40.2 Localized symptomatic epilepsy and epilepsy syndromes with complicated partial paroxysms	6 828	54 745,26		7 678	89 842,79		9 489	140 571,44	
G 40.3 Generalised idiopathic epilepsy and epilepsy syndromes							20 175	276 363,64	
G 40.4 Generalised idiopathic epilepsy and epilepsy syndromes of another type							4 285	65 269,77	
G 40.5 Specific epilepsy syndromes							750	10 339,01	
G40.6 Indefinite big paroxysms							3 704	42 435,43	
G40.7 Indefinite small paroxysms	864	5 706,85		874	8 094,07		1 010	11 798,30	
G40.8 Epilepsy of other type	8 935	57 504,42		9 433	95 820,70		10 909	131 496,20	
G45 Cerebral transitory ischemic paroxysm and congenial syndromes	45	129,53		26	116,87		149	882,00	
<b>14.4. Neuromuscular synapses and diseases of muscles</b>	<b>1 330</b>	<b>8 919,48</b>	<b>0,07</b>	<b>1 403</b>	<b>10 816,67</b>	<b>0,06</b>	<b>1 452</b>	<b>9 323,22</b>	<b>0,05</b>
G70* Myasthenia gravis and other myoneural pathologies	69	452,21		1 384	10 703,68		1 414	9 059,64	
G70.0 Myasthenia gravis	976	6 870,73		1 068	8 392,93		1 151	7 446,66	
G70.1 Toxic myoneural pathology	71	389,42		62	403,11		82	538,57	
G70.2 Inherited and developed myasthenia	30	147,36		33	200,32		32	205,18	
G70.8 Other precised myoneural pathology	109	651,49		132	985,06		132	777,86	
G71 Primary diseases of muscles	56	322,75		19	112,99		38	263,58	
G 71.2 Inherited myopathies	19	85,52		19	112,99		39	263,58	
<b>14.5. Poliomyelitis and other syndromes of paralysis</b>	<b>1 102</b>	<b>5 963,87</b>	<b>0,05</b>	<b>1 075</b>	<b>7 926,44</b>	<b>0,04</b>	<b>1 086</b>	<b>9 820,19</b>	<b>0,05</b>
G80* Poliomyelitis	87	500,18		1 075	7 926,44		1 086	9 820,19	
G80.0 Spastic poliomyelitis	478	2 964,03		583	4 850,31		562	3 009,06	
G80.1 Spastic diplegia	231	1 175,74		224	1 446,41		270	5 711,81	
G80.2 Hemiplegia of new-borns	17	79,16		4	27,73		20	74,79	
G80.3 Discreet poliomyelitis	88	460,43		82	554,84		81	363,74	
G80.4 Attacked poliomyelitis	127	475,78		90	564,79		67	293,47	
G80.8 Other type of poliomyelitis	74	308,55		60	333,64		83	358,23	
<b>14.6. Primary systemic atrophy of central nervous system</b>	<b>278</b>	<b>4 052,18</b>	<b>0,03</b>	<b>212</b>	<b>4 863,21</b>	<b>0,02</b>	<b>180</b>	<b>662,76</b>	<b>0,004</b>
G10 Huntington's chorea	117	213,17		63	135,62		63	98,65	
G11 Inherited ataxia	112	574,31		98	602,39		88	404,36	
G12* Atrophy of spinal muscles and other congenial syndromes	1	3,28		51	4 125,20		29	159,75	
G12.2 Motoric neurone diseases	48	3 261,42		50	4 122,18		29	159,75	
<b>14.7. Extrapyramidal and motion disorders</b>	<b>225</b>	<b>625,58</b>	<b>0,01</b>	<b>228</b>	<b>799,41</b>	<b>0,004</b>	<b>273</b>	<b>935,41</b>	<b>0,01</b>
G24 Dystonia	225	625,58		228	799,41		278	935,41	
<b>14.8. Other deterioration diseases of nervous system</b>	<b>215</b>	<b>2 905,88</b>	<b>0,02</b>	<b>399</b>	<b>7 386,92</b>	<b>0,04</b>	<b>192</b>	<b>2 547,62</b>	<b>0,01</b>
G30 Alzheimers disease	215	2 905,88		399	7 386,92		192	2 547,62	
<b>14.9. Pathology of nerves, nerve endings and wattlings</b>	<b>409</b>	<b>921,58</b>	<b>0,01</b>	<b>489</b>	<b>1 306,14</b>	<b>0,01</b>	<b>527</b>	<b>1 323,10</b>	<b>0,01</b>
G50 Pathology of trigeminus nerve	409	921,58		489	1 306,14		527	1 323,10	
<b>14.10. Polyneuropathy and other diseases of peripheral nervous system</b>	<b>304</b>	<b>1 719,55</b>	<b>0,01</b>	<b>335</b>	<b>3 530,78</b>	<b>0,02</b>	<b>223</b>	<b>1 041,56</b>	<b>0,01</b>
G60 Inherited and idiopathic neuropathy	137	821,78		100	1 846,64		75	277,66	
G 61 Inflaming polineuropathy	167	897,77		235	1 684,14		146	759,80	
G95 Other diseases of spinal cord							2	4,10	

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Group of diseases/diagnoses	2001			2002			2003		
	Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses		Number of prescriptions	Actual expenses	
		LVL	% of total		LVL	% of total		LVL	% of total
<b>15. Mental and behaviour disorders</b>	<b>215 218</b>	<b>1 364 614,98</b>	<b>11,09</b>	<b>202 781</b>	<b>1 793 945,78</b>	<b>10,20</b>	<b>240 792</b>	<b>2 340 974,26</b>	<b>12,82</b>
F20* Schizophrenia	5 853	64 407,60		202 781	1 793 945,78		240 373	2 338 784,16	
F20.0 Paranoid schizophrenia	100 665	693 191,17		110 174	1 060 713,76		147 488	1 434 462,71	
F20.1 Hebephrenic schizophrenia	28 619	143 117,52		19 278	143 063,25		16 028	138 252,53	
F20.2 Catatonic schizophrenia	28 882	116 450,94		23 583	129 694,81		19 695	135 306,71	
F20.3 Undifferentiated schizophrenia	10 409	78 721,08		9 869	98 272,83		11 251	140 930,19	
F20.4 Postschizophrenic depression	4 150	22 033,46		3 051	22 969,75		3 691	38 205,31	
F20.5 Residual schizophrenia	7 142	40 595,68		7 055	54 900,95		8 597	81 937,10	
F20.6 Simple schizophrenia	6 090	43 707,28		6 247	61 200,33		8 120	90 594,61	
F20.8 Schizophrenia of another kind	23 408	162 390,25		22 758	216 933,59		25 247	277 363,35	
F21 Disorders typical to schizophrenia							64	239,35	
F22 Persistent delirium							6	9,81	
F25 Schizoaffective disorders							18	310,20	
F31 Dipolar affective disorders							10	58,69	
F33 Recurrent depressive disorders							50	313,88	
F71 Medium serious mental incapacity							127	298,59	
F72 Serious mental incapacity							32	56,96	
F73 Deep mental incapacity							2	1,08	
F02.8 Dementia due to other specified diseases classified elsewhere							89	783,89	
F06.0 Organic hallucination							17	106,88	
F06.2 Organic delirium							4	10,77	
<b>16. Factors influencing health and communication with health care personnel</b>	<b>2 471</b>	<b>9 734,72</b>	<b>0,08</b>	<b>2 864</b>	<b>12 307,63</b>	<b>0,06</b>	<b>3 385</b>	<b>10 560,43</b>	<b>0,06</b>
Z94 State after transplantation of organs and tissue							58	315,63	
Z 94.0 Transplanted kidney							58	315,63	
Z95 Implants and transplants of heart and blood vessels	30	78,62		2 819	12 067,61		3 327	10 244,80	
Z95.1 For patients after aorta coronary shunting operation	479	1 652,44		395	1 854,80		401	1 262,67	
Z95.2 Implanted heart valve	1 604	5 187,16		1 685	6 264,09		2 257	6 077,76	
Z95.5 For patients after coronary angioplastics	358	2 816,50		724	3 918,72		669	2 904,37	
<b>17. Diseases of urogenital system</b>	<b>2 150</b>	<b>28 158,60</b>	<b>0,23</b>	<b>11 215</b>	<b>436 573,06</b>	<b>2,48</b>	<b>19 150</b>	<b>432 278,58</b>	<b>2,37</b>
N04 Nephrotic syndrome	249	1 499,06		837	5 358,20		840	4 895,29	
N11 Chronic tubulointerstitial nephritis	127	448,56		370	1 675,11		362	1 641,37	
N18 Chronic incompetence of kidneys	218	1 204,55		822	269 582,91		726	126 125,76	
N40 Hyperplasia of prostate gland (adenoma of prostate gland)	1 553	24 793,07		9 112	152 659,02		13 708	212 883,32	
N80 Endometriosis	3	213,36		74	7 297,82		3 514	86 732,84	
<b>18. Injuries, intoxications and other consequences of external effect</b>				<b>1 353</b>	<b>6 860,48</b>	<b>0,03</b>	<b>1 227</b>	<b>3 106,72</b>	<b>0,02</b>
T66 Indefinite influence of radiation				1 353	6 860,48		1 227	3 106,72	
<b>Out-patient preparations of another kind**</b>					<b>1 182 027,04</b>			<b>307 659,02</b>	
<b>IN TOTAL:</b>	<b>1 733 965</b>	<b>11 311 637,65***</b>	<b>91,95</b>	<b>1 897 386</b>	<b>15 818 224,95</b>		<b>2 448 668</b>	<b>18 568 648,07</b>	

\* Prescriptions without definite subgroup of diagnosis are also included, so the sum can differ from the sum of subgroup.

\*\* Resources are planned for the following targets:

- 1) LVL 1 109,20 – Riga department of the Agency – treatment of two patients with diagnosis E27 and C15,
- 2) LVL 888,41 – Kurzeme department of the Agency – treatment of two patients with diagnosis D13.7 and E20.1,
- 3) LVL 305 661,41 – assigned in accordance with the Protocol No 39 of the Board sitting on October 14th, 2002, of which in 2003 the advance was assigned, as follows:  
LVL 40 728,21 – peritoneal dialysis treatment resources and stoma care goods,  
LVL 105 450,00 – Preparations Rebif, Betaferon for Marine medical centre for treatment of multiple sclerosis patients  
LVL 159 483,20 – Infectology centre of Latvia for treatment of patients suffering from chronic "C" hepatitis virus alpha interferon preparations Realdiron and Roferon.

\*\*\* this sum excludes resources for payment of insulin preparations and resources for payment of medicaments anticipated for treatment of patients of social groups, in accordance with the Regulations No 102 "Regulations on easements in procurement of health care resources for out-patient treatment" issued by the Cabinet of Ministers, which lost validity on January 1st ,2002.

## Number of prescriptions handed out and medium value of prescription within the system of medical remedies to be recompensed

Sickness fund/HCISA	2001		2002		2003	
	Number of handed out prescriptions	Medium value of prescriptions (LVL)	Number of handed out prescriptions	Medium value of prescriptions (LVL)	Number of handed out prescriptions	Medium value of prescriptions (LVL)
Daugava sickness fund	149 908	6,58	184 148	6,61	201 239	7,33
Pieriga sickness fund	131 954	7,56	149 736	8,57	205 748	7,93
Viduslatvija sickness fund	205 835	5,85	218 256	8,01	263 580	6,91
Ziemeļaustrumi sickness fund	228 205	7,31	255 061	8,23	307 220	7,48
The Agency						
Kurzeme department	247 632	6,81	281 413	7,56	336 151	7,49
Latgale department	291 384	5,52	286 506	7,36	357 367	6,25
Rīga department	608 550	6,90	522 266	9,09	777 363	8,08
<b>TOTAL:</b>	<b>1 863 468</b>	<b>6,60</b>	<b>1 897 386</b>	<b>8,04</b>	<b>2 448 668</b>	<b>7,46</b>

## Resources spent for procurement of insulin preparations within the system of medical remedies to be recompensed

Sickness fund	2002			2003		
	Number of patients	Resources spent insulin for preparations (LVL)	Resources spent for insulin preparations per patient (LVL)	Number of patients (December 31 <sup>st</sup> , 2003)	Resources spent for insulin preparations (LVL)	Resources spent insulin preparations per patient (LVL)
Daugava sickness fund	744	190 864,50	256,54	833	201 168,96	241,50
Viduslatvija sickness fund	941	206 211,10	219,14	1 106	219 529,48	198,49
Ziemeļaustrumi sickness fund	1 220	294 922,20	241,74	1 360	331 037,52	243,41
Pieriga sickness fund	738	162 651,30	220,39	792	184 922,77	233,49
The Agency						
Kurzeme department	1 270	324 896,00	255,82	1 380	325 922,67	236,18
Latgale department	983	254 185,20	258,58	1 154	301 176,05	260,98
Rīga department	3 549	903 408,40	254,55	3 990	1 072 396,91	268,77
<b>TOTAL:</b>	<b>9 445</b>	<b>2 337 138,70</b>	<b>247,45</b>	<b>10 615</b>	<b>2 636 154,36</b>	<b>248,34</b>

## Centralised procurement of medical remedies

The subprogram "**Procurement of medical remedies**" includes resources for procurement of centralised specific medicine remedies for medical institutions. The Agency procures medical remedies in the centralised way, organizing tenders in accordance with the law "On procurement for the state or self government needs" and according to tender results concludes contracts with the providers of medical resources.

Determination of necessary volume of medical resources and distribution of them is performed taking into account the number of treated patients according to the treatment scheme.

Medicaments and medical goods necessary for treatment of patients suffering from definite illnesses are to be procured in the Centralised way. The most part of medicaments and medical goods procured in the centralised way is anticipated for treatment of oncology and haematology patients, provision of substitution therapy of kidneys ( hemodialysis, peritoneal hemodialysis, patients after transplantation of kidneys), treatment of resistant forms of tuberculosis, treatment of HIV/AIDS positive patients, provision of cardio-surgical operations, immunisation of population against infectious diseases set by Immunisation program and passive immunisation of population in cases of widespread infectious diseases.

The treatment of congenital or acquired illnesses provides the life-alimentation, working capability and rehabilitation of life quality, as well as protection of society from spreading of dangerous infectious diseases. Medical resources procured in the centralised way are to be used under the guidance of specialists, usually in in-patient institutions, ensuring professional and rational application of them.

### Total volume of resources and sources of resources for procurement of medical remedies within the programs of remedies to be recompensed and procured in the centralised way (LVL)

Subprogram	2001	2002	2003
<b>Procurement of health care remedies, total</b>	<b>37 691 880,45</b>	<b>43 630 362,00</b>	<b>49 635 919,48</b>
of which the subprogram "Payment for medical remedies"	11 474 442,19	17 744 267,00	17 307 067,00
the subprogram "Reserve fund"	—	281 425,00	614 423,48
the subprogram "Procurement of medical remedies"	7 922 474,26	6 733 972,00	7 045 705,00
the subprogram "Payment for services" – procurement of health care resources for out-patient institutions	3 329 700,00	2 748 426,00	2 501 181,00
the subprogram "Payment for services" – procurement of health care resources for in-patient institutions	14 965 264,00	16 122 272,00	22 167 543,00
<b>State special health care budget, in total</b>	<b>141 318 245,00</b>	<b>165 154 102,00</b>	<b>189 519 080,00</b>
<b>Proportion in the State special health care budget (%)</b>	<b>26,67</b>	<b>26,42</b>	<b>26,19</b>

## Medical remedies procured in the centralised way

Tender/bid	Groups of procured medical resources*	Medical institutions receiving and utilising the procured medical resources	Total sum in 2003 (LVL)
<b>Growth hormone preparations and growth hormone inhibitor preparations</b>			<b>349 933,83</b>
	growth hormone preparations	Children clinical university hospital	294 529,71
	growth hormone inhibitor preparations	P. Stradins clinical university hospital	39 723,00
	botulinum anatoxin preparations	Clinical hospital "Gailezers"	15 681,12
<b>Blood coagulation factor preparations for treatment of blood coagulation system diseases</b>			<b>225 440,58</b>
	VII factor preparation	Hospital "Linezers", State Haematology Centre	
	IX factor preparations		
	desmopressin preparations		
<b>Medicaments and medical resources for treatment of oncology and haematology diseases</b>			<b>3 371 645,23</b>
	alkylating remedies		
	antianomic remedies		
	antimetabolic remedies		
	remedies of plant alkaloids and other natural products		
	cytotoxic antibiotic remedies	Oncology centre of Latvia	1 586 824,97
	hormone preparations	Hospital "Linezers", State Haematology centre	844 266,94
	glucocorticosteroide group remedies	Children clinical university hospital	304 809,60
	immunomodulator remedies	P. Stradins clinical university hospital	413 255,49
	immunoglobulin preparations	Liepaja oncology hospital	74 564,36
	immunosuppression remedies	Daugavpils oncology hospital	131 209,41
	remedies influencing mineralisation	Clinical hospital "Gailezers"	16 714,46
	anti-poison remedies of organisms		
	antibiotic remedies of different groups		
	anti-fungus remedies		
	remedies against vomiting		
	antivirus remedies		
	medicine infusion remedies		
<b>Haemodialysis equipment and medical remedies and preparations for nephrosurgery</b>			<b>1 033 054,00</b>
	dialysators	Children clinical university hospital	6 914,00
	magistrals	P. Stradins clinical university hospital	230 535,00
	catheters for central blood-vessels punction	Clinical hospital "Gailezers"	237 476,00
	dialysing liquids	Daugavpils town central hospital	100 316,00
	erythropoietin preparations of man	Liepaja town central hospital	75 200,00
	heparin preparations	Valmiera hospital	60 766,00
	phosphorus mixtures	Ventspils town hospital	51 895,00
	potassium mixtures	Rezekne hospital	57 171,00
	calcium mixtures	Madona hospital	41 262,00
	immunosurpression remedies	Dobeles region hospital	40 183,00
	liquid for preservation of transplantant	"Gailezers medicine company" together with the department in Rezekne hospital	131 336,00
	glucocorticosteroide group remedies		
<b>Preparations for treatment of tuberculosis</b>			<b>639 534,93</b>
	special anti-tuberculosis chemical preparations	State centre of tuberculosis and lungs diseases	
	medicine infusion remedies		
	tuberculin		

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Tender/bid	Groups of procured medical resources*	Medical institutions receiving and utilising the procured medical resources	Total sum in 2003 (LVL)
<b>Electro-cardiostimulators and intubation equipment</b>			<b>611 330,01</b>
	electrocardiostimulators	▶ P. Stradins clinical university hospital	
	electrodes		
	intubation equipment for electrodes		
	cardioverters-defibrillators for implantation		
<b>Special medicine for cardiosurgery</b>			<b>1 713 091,97</b>
	oxygenators for artificial blood circulation equipment	▶ P. Stradins clinical university hospital	1 518 167,00
	hemoconcentrators		
	heart cannulas	▶ Children clinical hospital "Gailezers"	194 924,97
	cardioplegia cannulas		
	drain-pipes for ventricules		
	coronary perfusion cannulas		
	drain-pipes for thorax and pericardium		
	systems for blood retransfusion		
	thoracocentesis trocars		
	medicine infusion remedies		
	pleura tapping systems		
	Swan-Ganz catheters		
	electrocardiostimulation electrodes		
	breathing system remedies		
	operation linen		
	sewing material		
	gas sterilization resources		
	prosthesis of mitral valves		
	reactives of blood gas analysators, electromagnetic blocks		
	changer of direct pressure measurement		
	electrotermometer electrodes		
	intro-aortal contrapulsation ballooncatheters		
	artificial breathing equipment		
	reanimation hemodynamics monitors		
	narcosis equipment		
	individual head-lamp		
	electrocoagulator		
	harmonious ultrasound scalpel for coronary surgery		
	electrodefibrillator		
	operating lamp		
	plate of operation table, cart, patient movement equipment		
	sternotomy saws		
	blood flow meter		
	ultrasound inhalators		
	perfusors		
	sets of surgical instruments		
	external auxiliary circulation system		
	artificial blood circulation equipment		
	monitor of narcosis room		
	vacuumpumps		
	monitor of operation room		
	isofluran and fumes		

Tender/bid	Groups of procured medical resources*	Medical institutions receiving and utilising the procured medical resources	Total sum in 2003 (LVL)
	centrifugal pump		
	monitor of blood coagulation system		
	echocardiograph of operating room		
	MAR filling liquid		
	No gas balloons		
	fibrin glue		
	different other medicaments		
<b>Immunobiologic preparations</b>			<b>312 306,30</b>
	antidiphtheria serum		
	antigangrenous serum		
	antibotulism serum	▶ Infectology center of Latvia	
	antitetanus immunoglobulin		
	serum against sting of snake		
	anti-tick encephalitis immunoglobulin		
<b>Medical food products for patients with genetic diseases (phenylketonuria, etc.)</b>			<b>191 704,83</b>
	Medical food products and specific medicaments	▶ Children clinical hospital "Gailezers"	
<b>Vaccines</b>			<b>705 230,58</b>
	Vaccines	▶ National environment health center	
<b>Medical resources to be distributed in ambulatory way to HIV/AIDS patients</b>			<b>698 531,22</b>
	Medicaments for treatment of HIV/AIDS	▶ Infectology center of Latvia	
<b>Subprogram "Reserve fund"</b>			<b>31 134,00</b>
	Medicament "Adenyl"	Hospital "Linezers"	870,00
	Medicament "Rebif" and "Beteaferon"	Marine medical center	24 756,00
	Medicament "Rapamune"	P.Stradins Clinical university hospital	5 508,00
<b>TOTAL:</b>			<b>9 882 937,48</b>
<b>of which, from the subprograms:</b>			
	"Procurement of medical remedies"		7 045 705,00
	"Payment for services"		2 222 809,00
	"Reserve fund"		614 423,48

The tabulation shows medical resources and groups of medical resources procured in the centralised way as a result of bids organized by the Health compulsory insurance state agency. They are utilised for treatment of patients in the above stated institutions.

## Payment for tertiary medical care services

The subprogram "Payment for tertiary medical care services" anticipates financial resources for payment for tertiary medical services (specialised care, when extra special conditions and highly qualified personnel are necessary, e.g. cardio-surgery), financed by the meditation of the Agency. The Agency concludes direct contracts with service providers about payment for medical services.

### Payment for tertiary medical care services

Programs, subordinated subprograms and activities concluded	Number of treated patients				Number of out-patient visits				Performed scope of work (LVL)			Paid volume of work in accordance with the contracts (LVL)		
	2001.	2002.	2003.	+/- to 2002.	2001.	2002.	2003.	+/- to 2002.	2001.	2002.	2003.	2001.	2002.	2003.
<b>Payment for tertiary medical care services, in the aggregate</b>	<b>3 992</b>	<b>196</b>	<b>270</b>	<b>74</b>	<b>205 650</b>	<b>121 748</b>	<b>128 913</b>	<b>7 165</b>	<b>4 308 482</b>	<b>1 333 039</b>	<b>1 559 952</b>	<b>4 066 390</b>	<b>1 325 705</b>	<b>1 528 204</b>
Diagnostics, treatment and localization of infections, sexually transmitted and contagious skin diseases, Infectology center of Latvia	165	187	245	58	22 438	12 411	14 572	2 161	402 389	332 826	424 596	328 010	342 765	383 644
AIDS and CIV(HIV) laboratory diagnostics, out-patient and in-patient treatment, in the aggregate:	165	187	245	58	22 438	12 411	14 572	2 161	392 723	323 160	414 924	318 344	333 099	373 978
1) HIV/AIDS diagnostics					17 766	6 129	14 572	8 443	146 758	198 373	262 905			
2) out-patient treatment of HIV/AIDS patients					4 672	6 282		-6 282	30 607	30 091				
3) expenses of handed out medicine remedies for out-patient HIV/AIDS patients														
4) in-patient treatment of HIV/AIDS patients	165	187	245	58					215 358	94 696	152 019			
Psychosocial protection of CIV (HIV) infected, AIDS patients and personnel									9 666	9 666	9 672	9 666	9 666	9 666
<b>Health care of mother and child</b>	<b>788</b>				<b>67 304</b>				<b>735 405</b>	<b>26 785</b>	<b>12 259</b>	<b>712 096</b>	<b>26 785</b>	<b>12 259</b>
Railway hospital "Bikernieki", children surdology in-patient care	208								82 764			84 664		
Children out-patient clinics Bikernieki", children surdology out-patient care					13 449				124 548			116 392		
State children clinical hospital "Gailezers"	580				53 855				528 093			511 040		
Children cardiology and reanimation of cardiology patients, of which:	471								241 464			235 256		
Children cardiology	451								233 231					
Reanimation of cardiology patients	20								8 233					
Medical genetics care	109				53 855				286 629			275 784		
State family health center, consultative assistance in solution of reproductive health problems										26 785	12 259		26 785	12 259
<b>Program for diabetics</b>	<b>1 164</b>								<b>250 277</b>	<b>16 060</b>	<b>19 630</b>	<b>250 128</b>	<b>16 060</b>	<b>19 630</b>
The non-profit association state joint stock company "P. Stradins clinical university hospital", training of diabetic patients									5 510	6 020	7 210	5 510	6 020	7 210
The non-profit association state joint stock company "Children clinical university hospital", training of diabetic patients									3 510	4 020	5 210	3 510	4 020	5 210
The non-profit association Ltd. "Clinical hospital "Gailezers", training of diabetic patients									5 510	6 020	7 210	5 510	6 020	7 210
SHC "Rigas Jurmala", treatment of diabetic patients and elaboration of individualized compensation of diabetes	1 164								235 747			235 598		
<b>Localization of dipsomania, drug abuse and toxicomania</b>									<b>188 046</b>	<b>73 278</b>	<b>167 167</b>	<b>188 046</b>	<b>73 278</b>	<b>167 167</b>
The non-profit association state enterprise "Narcology center", diagnostics and treatment, of which:									188 046	73 278	50 593	188 046	73 278	50 593
Expertise department of alcohol and narcotic fuddle									32 232	34 038	42 493	32 232	34 038	42 493
Prevention from alcoholism and early diagnostics									155 814	39 240	8 100	155 814	39 240	8 100
<b>The non-profit association State enterprise "Health promotion center"</b>											<b>116 574</b>			<b>116 574</b>
Expenses for administration											33 607			33 607

Programmas, pakārtoto apakšprogrammu un pasākumu nosaukumi	Ārstēto slimnieku skaits				Amb-konsult.apm.(anal.) skaits				Veiktais darba apjoms, ieskaitot pārstrādes (LVL)			Apmaksātais darba apjoms atbilstoši noslēgtajiem līg. (LVL)		
	2001.	2002.	2003.	+/- to 2002.	2001.	2002.	2003.	+/- to 2002.	2001.	2002.	2003.	2001.	2002.	2003.
Activities carried out for realization of the state program "Localization of alcoholism, drug abuse and toxicomania" on regional level											36 967			36 967
Organization of the state procurement for the state program "Localization of alcoholism, drug abuse and toxicomania" on regional level											46 000			46 000
<b>Program for burns</b>	<b>1 072</b>								<b>835 556</b>			<b>775 552</b>		
The non-profit association state joint stock company "Children clinical university hospital", treatment of children burns	311								111 159			90 548		
Railway hospital "Bikernieki", burns treatment of adults	761								724 396			685 004		
<b>Tertiary level health care</b>	<b>803</b>	<b>9</b>	<b>25</b>	<b>16</b>	<b>115 908</b>	<b>109 337</b>	<b>114 341</b>	<b>5 004</b>	<b>1 896 810</b>	<b>884 090</b>	<b>936 300</b>	<b>1 812 558</b>	<b>866 817</b>	<b>945 504</b>
The non-profit association the state Ltd. "State sports medical center", medicine of sports					43 061	33 713	35 128	1 415	130 445	145 756	325 158	128 162	139 312	288 788
State hospital "Leprozozijs", treatment of leper patients	11	9	8	-1					92 117	92 614	105 348	90 989	92 614	105 348
<b>The non-profit association State joint stock company "P. Stradins clinical university hospital" 792</b>									<b>1 366 672</b>	<b>46 156</b>	<b>52 813</b>	<b>1 310 876</b>	<b>46 156</b>	<b>52 813</b>
Specialized medical in-patient care for patients in particular hard cases, of which:	792								1 366 672			1 310 876		
Cardio-surgery, of which:	792								1 366 672	0	0			
- operations using artificial blood circulation	783								1 360 051					
- closed type heart operations	9								6 622					
"Balttransplant" department of Latvia, co-ordination of transplantation service														
State pathology center, of which:					72 847	75 624	79 213	3 589	277 045	285 664	309 331	252 000	274 836	295 100
- operation or examination of biopsy material					72 676	75 497	78 904	3 407	272 428	282 235	301 240			
- hysterectomy							176	176			4 346			
- autopsy (section)					171	127	133	6	4 617	3 429	3 745			
The non-profit association State joint stock company "Children clinical university hospital", children patalog-anatomu bureau									30 531	32 616	39 949	30 531	32 616	39 949
<b>Restriction of tobacco, alcohol and drugs usage</b>										<b>116574</b>			<b>116574</b>	
Payment for cardiosurgery services											109756			109756
Payment for cardiosurgery services provided for children											54954			54953
Transplantation of autologous descent cells to haematology patients in the State haematology center in the hospital "Linezers"			17	17							103 701			163 506

## Disaster medical program

The subprogram "**Disaster medical program**" finances activities to provide disaster medicine system, maintenance of operative medical service, assistance of specialised emergency medical care, preparing of blood and blood preparations for medical institutions, etc.

The assignment of the subprogram is introduction of Disaster medicine state system in accordance with the Regulations No 358 "Regulations on Disaster medicine system of the Republic of Latvia" issued by the Cabinet of Ministers on November 21st, 1995. Disaster medicine planning system in towns, the unified training system in rendering of the first aid and emergency care have been introduced, as well as activity of operative medical service provided within the limits of the Program. Rendering of emergency medical care in extreme medical situations, when the volume of emergency care is bigger than possibilities of emergency medical care services of self-governments, is provided. Besides, preparation and procurement of blood and its preparations is being realised within the limits of the subprogram.

Disaster medicine centre carries out activities concerning disaster medicine system, provides duties of the required specialists for rendering of specialised emergency medical care in constant readiness regime and renders specialised emergency medical care services.

The main functions of centres of blood-donors are to prepare, examine and give blood and blood components on request of medical institutions, provision of blood gravitation surgery services.

### Disaster medicine program

Programs, subordinated subprograms and activities	Number of visits to medical institutions	Duty hours of operative medical service consultants			Number of trained or examined persons in first aid courses			Prepared blood (l)			Working volume paid in accordance with the concluded agreements (LVL)		
		2003	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002
Program in the aggregate:	4 040	135 679	193 031	197 697	955	909	1 170	19 771	19 219	19 548	3 741 863	3 949 236	4 360 151
Disaster medicine centre	4 040	135 679	193 031	197 697	955	909	1 170	0	0	0	519 014	670 843	886 659
Co-ordination of activity of disaster medicine system	4 040				955	909					487 014	638 843	
Support to operative medical services dienestu uzturēšana		135 679	193 031	197 697			1 170				32 000	32 000	
Central base of medical equipment of the state reserves	0	0	0	0	0	0	0	0	0	0	239 184	247 135	268 686
Reserve of the state medical materials and medical remedies and provision of it											239 184	247 135	268 686
State centre of blood donors	0	0	0	0	0	0	0	14 540	14 082	14 314	2 703 696	2 735 201	2 870 297
Realization of the state program in preparation and procurement of blood and its preparations								14 540	14 082	14 314	2 303 696	2 335 201	
Payment for blood preparations prepared and transfused by self-government health care institutions											400 000	400 000	402 622
Rezekne centre of blood donors								5 231	5 137	5 234	228 382	243 797	280 778
Realization of state programs in preparation and acquisition of blood and its preparations								5 231	5 137	5 234	228 382	243 797	280 778
Home "Līgatne"	0	0	0	0	0	0	0	0	0	0	51 587	52 260	53 731
Home "Līgatne"											51 587	52 260	53 731

## Psychiatry. Forced treatment

The subprogram finances the maintenance of in-patient departments for the forced treatment and coroners psychiatric inquests.

The main objective of the subprogram is treatment of persons suffering from mental diseases, who have committed serious criminal crimes and adjudged as irresponsible by rulings of the Court, as well as performance of coroners psychiatric inquest and treatment of institutionalised persons basing on rulings of the Court, prosecuting attorney or interrogator due to doubts about mental health. Taking into consideration that the forced treatment is applied to persons by the ruling of the Court, it is difficult to plan the number of persons to be treated and the number is changeable.

The forced treatment is carried out in in-patient department of the forced treatment and coroners psychiatric inquests of the non-profit state Ltd. "Psychiatry centre".

### Forced treatment of psychiatry

Programs, subordinated subprograms and activities	Number of treated persons			Number of bed-days			Working volume paid in accordance with the concluded agreements (LVL)		
	2001	2002	2003	2001	2002	2003	2001	2002	2003
The non-profit state enterprise "Psychiatry centre"									
Forced treatment and coroners psychiatric inquest in-patient wards/departments	124	126	131	19 928	20 566	21 265	568 477	586 428	642 711

## Maintenance of registers

The subprogram "**Maintenance of registers**" includes maintenance expenses of the state meaning registers and methodical centres, provisional expenses of record keeping registers and informative base.

If the register is a juridical person, then planned expenditure for performance of functions is calculated fixing remuneration and state social insurance compulsory instalments for employees (physician, paramedical staff, mathematician, operator, accountant) and overhead cost. If the register is located within the structure of juridical person (enterprise), which has already received analogous functions, the Agency agrees with the executor of functions on the number of persons necessary to provide the functions of register.

Registers, performing highly specialised and qualified diagnostics, medical and consultative assistance to patients in the correspondent branch of health care, carries out methodical management of the branch and constructive and scientific investigations, receive payment for methodical management of the branch. There are registers in the following institutions:

- *State centre of sexually transmitted and skin diseases;*
- *State centre of tuberculosis and lungs diseases;*
- *Psychiatry centre,*
- *Oncology centre of Latvia;*
- *State stomatology centre,*
- *P.Stradins clinical university hospital;*
- *Marine medical centre;*
- *Narcology centre.*

## Maintenance expenditure of registers

Programs, subordinated subprograms and activities	Number of persons included in the register			The scope of work paid in accordance with the concluded contracts (LVL)		
	2001.gadā	2002.gadā	2003.gadā	2001.gadā	2002.gadā	2003.gadā
Program, in the aggregate:	2 553 163	2 866 866	2 708 723	426 115	409 912	363 993
Latvian physician association – Register of general practitioners	1 996	2 174	2 347	4 196	4 196	4 128
MOW Health department "State centre of sexually transmitted and skin diseases" – State register of sexually transmitted and contagious skin diseases	79 559	82 751	85 809	16 784	16 784	16 513
The non-profit association state enterprise "State centre of tuberculosis and lungs diseases" – Tuberculosis register	27 540	30 380	33 785	29 372	29 372	28 898
The non-profit association state enterprise "Psychiatry centre" – State register for mental diseases, disorders and mentally ill contingent	77 321	95 623	102 144	54 547	50 352	49 540
The non-profit association state enterprise "Oncology centre of Latvia" – Register of cancer patients of Latvia	49 583	50 468	53 154	29 372	29 372	28 898
The non-profit association joint stock company "Agency of health statistics and medical technologies"	122 841	142 986	164 070	4 196	18 814	10 696
Of which: 1. Register for health care institutions, enterprises and practices				4 196	5 322	
2. Register for new-borns	122 841	142 986			4 196	
3. Register for medical equipment to be applied in health care institutions					4 100	
4. State register for physicians					5 196	
5. Development of the register for medical persons						10 696
The non-profit association state enterprise "Diagnostics centre"- Register for diabetics	28 943	34 960	40 130	20 500	20 980	20 642
The non-profit association state enterprise "Narcology centre"- Register for narcology patients and drug addicted patients	31 151	31 578	32 586	67 135	81 479	91 651
The non-profit association state enterprise "State stomatology centre" – Register for stomatology centre	1 421	1 504	1 772	25 962	25 176	24 770
of which: 1. Nurses of stomatology	726	782	910			
2. Assistants to dentists with special education	124	126	181			
3. Dental surgeons assistants	71	71	75			
4. Dental hygienists	118	119	168			
5. Dental technicians	382	406	438			
The non-profit association joint stock company "P. Stradins clinical university hospital"	8 908	9 341		68 819	23 078	22 706
Register of Latvia branch "Balttransplant" – register of recipients	168	56		50 352	4 196	4 128
Register for state industrial diseases and Register of Chernobyl AES crash victims	8 740	9 285	9 993	18 467	18 882	18 578
of which: 1. Liquidators of Chernobyl AES crash consequences, evacuated persons, their children	6 575	6 659	6 799			
2. Professional disease patients	2 165	2 626	3 194			
"Datorikas instituts" Ltd. – Maintenance of information system of registration of sickness fund participants	2 105 782	2 368 857	2 330 373	25 508	25 083	9 630
The non-profit organization Ltd. "Children hospital "Gailezers" – State register for inherited anomalies	9 974	10 314	10 522	4 196	6 294	4 128
Joint stock company "Marine medical centre" – Register for multiple sclerosis patients	2 956	1 079	1 199	12 588	14 686	12 385
The non-profit association joint stock company "Children clinical university hospital" – Register for rheumatologic patients	1 402	1 452	1 464	4 196	4 196	4 128
Riga 1st hospital – maintenance of stoma cabinet	3 786	3 399	3 445	8 392	9 698	9 542
Family health centre				41 960	41 960	17 481
Infectology centre of Latvia – managerial methodical work				8 392	8 392	8 257

## Management expenses

The program "**Management expenses in sickness funds**" anticipates expenses to provide management functions for regional sickness funds. The Agency concludes direct contracts with the regional sickness funds on execution of administration functions.

The subprogram "**Maintenance of the Health compulsory insurance state agency**" includes resources anticipated to provide the management functions of the Agency. The management expenses of the Agency are calculated in accordance with the financing plan confirmed by the Ministry of health and estimate of expenditures.

### Resources of the state budget for securing of management functions

Sickness fund	Resources assigned for securing of management functions (LVL)			Volume of health care resources to be administrated* (LVL)			Resources assigned for management functions as to the volume of health care management resources (%)		
	2001	2002	2003	2001	2002	2003	2001	2002	2003
Daugava sickness fund	140 463,00	147 570,00	148 872,00	10 378 246,00	11 727 921,78	13 787 639,00	1,35	1,26	1,08
Pieriga sickness fund	126 887,00	130 542,00	131 693,00	9 334 419,00	10 775 309,00	12 079 163,00	1,36	1,21	1,09
Riga district sickness fund***	441 382,00	110 346,00		38 894 054,00	11 328 893,00				
Viduslatvija sickness fund	171 787,00	184 795,00	186 425,00	12 266 387,00	14 663 395,00	17 041 844,00	1,40	1,26	1,09
Ziemeļaustrumi sickness fund	225 630,00	246 699,00	248 878,00	16 277 398,00	18 590 198,00	21 461 036,00	1,39	1,33	1,16
<b>TOTAL:</b>	<b>1 106 149,00</b>	<b>819 952,00</b>	<b>715 868,00</b>	<b>87 150 504,00</b>	<b>67 085 716,78</b>	<b>64 369 682,00</b>	<b>1,27</b>	<b>1,22</b>	<b>1,11</b>
<b>State compulsory health insurance agency, in the aggregate</b>	<b>824 363,00</b>	<b>1 362 456,00</b>	<b>1 473 844,00</b>	<b>57 902 675,87</b>	<b>100 813 215,35</b>	<b>130 474 173,00</b>	<b>1,42</b>	<b>1,35</b>	<b>1,13</b>
Of which:									
The Agency**	388 250,00	891 174,00	1 274 061,00	27 381 775,00	64 473 826,48	86 955 768,00	1,42	1,38	1,47
Kurzeme department	219 381,00	235 541,00	106 214,00	15 301 783,82	18 127 638,00	21 332 569,00	1,43	1,30	0,50
Latgale department, of which			93 569,00			22 185 836,00			0,42
"Dienvidlatgale sickness fund"	129 092,00	141 645,00		9 591 232,05	11 532 141,87		1,35	1,23	
"Ziemeļlatgale sickness fund"	87 640,00	94 096,00		5 627 885,00	6 679 609,00		1,56	1,41	

\* the volume of health care management resources includes financial resources in accordance with the concluded contracts on payment for medical services and payment for medical remedies.

\*\* the volume of health care management resources for the Agency includes resources for procurement of medical remedies (centralised), payment for tertiary medical care services, supervision, control and health information expenses, maintenance expenses of registers, expenses of reserve fund, resources for military pensioners remitted by Russian Federation, resources for health reform project, primary health care fund, state basic budget programs, state investment programs, provision of management functions for sickness funds.

\*\*\* Riga district sickness fund had the contract with the Agency, valid by March 31<sup>st</sup>, 2002. As of April 1<sup>st</sup>, 2002 the financing is included into financing of the Agency.

## Reserve fund

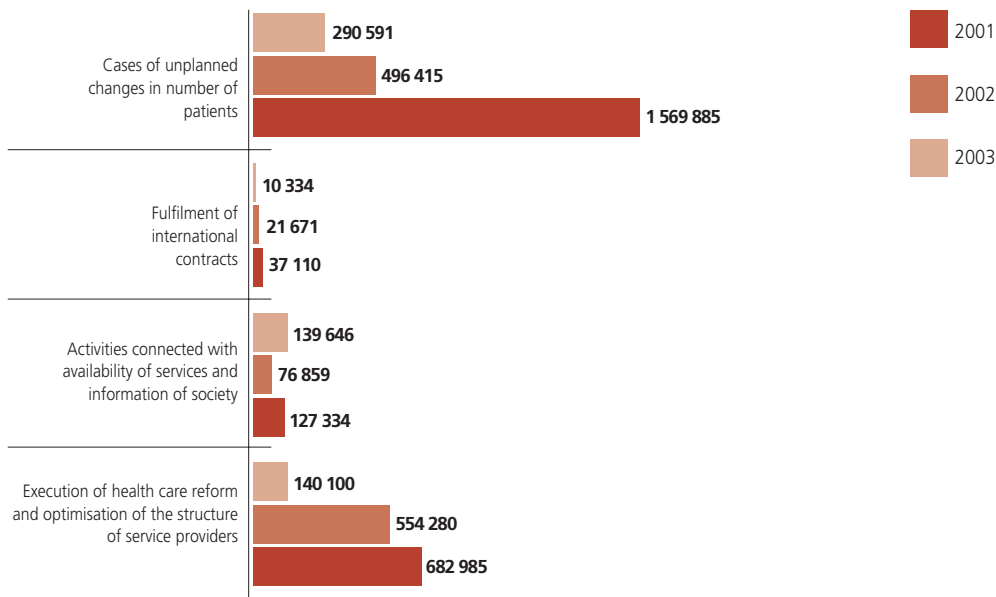
The Regulations No 13 "Health care financing regulations" issued by the Cabinet of Ministers on January 12<sup>th</sup>, 1999 regulate the development and spending conditions of the Reserve fund program and it is marked as the separate program in the special budget of health care.

The Reserve fund of the Agency is formed to the tune of 2% from the resources anticipated for payment to provide the minimum of health care services. The Health compulsory insurance agency estimation committee confirmed by the Health minister looks through the requests of the Reserve fund and proposals on spending of the reserve fund. In accordance with the decision of committee approved by the Health minister Reserve fund is spent for:

1. payment for medical services, if the number of patients unarrangely changes (except cases of epidemics determined in accordance with the Law on Epidemiological safety);
2. fulfilment of international contracts;
3. activities concerning implementation of the state compulsory health insurance and information of society;
4. execution of health care reform and optimisation of the structure of service providers;
5. activities of local and re-profiling hospitals connected with optimisation of the structure of service providers.

In 2003, in accordance with the amendments in the Regulations No 13 "Health care financing regulations" issued by the Cabinet of Ministers on January 12<sup>th</sup>, 1999 local and re-profiling hospitals received LVL 608835 from the Reserve fund for renovation of emergency medical care departments.

### Reserve fund spending dynamics by spending target (LVL)



## Activities financed from the Reserve fund in 2003

Target of spending of resources, receiver of money resources	Sum (LVL)
<b>Projects supported by the Health ministry in accordance with the Regulations No 695 "Amendments in the Regulations No 13 "Health care financing regulations" issued by the Cabinet of Ministers on January 12th ,1999.</b>	<b>608 836,00</b>
Self-government the non-profit association "Aizkraukle region hospital", procurement of equipment for emergency medical assistance service	20 000,00
Balvi hospital, improvement of emergency medical assistance quality and rendering	16 750,00
Bauska town council the non-profit association Ltd. "Bauska hospital", renovation of admission department	19 947,00
Self-government the non-profit association "Cesis region central hospital", procurement of two defibrillators for emergency medical care assistance	8 640,00
Dobele region self-government the non-profit association "Dobele and its region hospital", improvement of technological equipment for emergency medical assistance teams and admission department	16 974,00
Kraslava region central hospital, improvement of emergency medical care service	14 000,00
Ludza region self-government the non-profit association "Ludza region hospital", technological equipment for admission department	19 300,00
The non-profit association Madona region self-government enterprise "Madona hospital", procurement of equipment for emergency medical assistance vehicles and development of the common dispatchers service in Madona region	18 306,00
Ogre region self-government medical care the non-profit association "Ogre region hospital", procurement of equipment for vehicles of emergency medical assistance teams	20 000,00
Self-government the non-profit association "Preili hospital", procurement of medical technologies for emergency medical care service and improvement of quality of medical services rendered by admission department	20 000,00
Self-government the non-profit association "Priekule hospital", procurement of equipment for emergency medical care and admission department meeting the compulsory requirements issued by the Cabinet of Ministers	16 720,00
"Saldus medical center" Ltd., provision and improvement of emergency medical assistance	16 710,00
Self-government the non-profit association "Tukums hospital and out-patient clinics", procurement of medical equipment for emergency medical assistance in pre-hospital and hospital stage	17 250,00
Self-government medical care the non-profit association "Talsi region emergency medical assistance", provision of high quality emergency medical assistance in pre-hospital stage in Roja and Dundaga parishes	9 500,00
Vilaka hospital, improvement of emergency medical care service	19 885,00
Dagda hospital, improvement and provision of emergency medical assistance	15 507,00
Kandava hospital and out-patient clinics, improvement of technical equipment of emergency medical assistance in Kandava hospital	12 065,00
Self-government the non-profit association "Valmiera hospital", optimisation of emergency assistance and admission department equipment in therapy department of Rujiena branch meeting the compulsory requirements stated for medical institutions	14 955,00
Self-government the non-profit association "Varaklani hospital", improvement of emergency medical care and diagnostics	19 173,00
Aizpute town self-government the non-profit association "Aizpute regional hospital", renovation of the building for emergency medical assistance	19 044,00
Aluksne region council self-government the non-profit association "Aluksne hospital", procurement of sanitary vehicle	7 563,00
Limbazi region self-government the non-profit association "Limbazi hospital" provision and improvement of efficient emergency medical assistance	19 483,00
Riga region self-government the non-profit enterprise "Riga region hospital", gradual updating of emergency medical care technologies in intensive therapy and anaesthesia departments	17 000,00
Valka region self-government the non-profit association "Red Cross Smiltene hospital", renovation of premises for admission and emergency medical care departments and toilet facilities	4 102,00
Valka region self-government the non-profit association "Valka hospital", reconstruction of admission and emergency medical care departments	20 000,00
"Adazi hospital" Ltd., reconstruction of admission department and provision, and improvement of emergency medical care	20 000,00
Madona region Ergli parish self-government enterprise the non-profit association "Ergli parish hospital", provision and improvement of emergency medical care, reconstruction of emergency medical care and admission departments	19 570,00
Self-government enterprise "Jelgava region hospital" Ltd., repairing of rehabilitation department and procurement of equipment	20 000,00
Livani region council self-government the non-profit association "Livani hospital", improvement of emergency medical assistance	14 999,00
Saulkrasti town and its rural territory council the non-profit association "Saulkrasti hospital", reorganization of admission department for twenty-four hours out-patient emergency medical assistance	20 000,00
Viesite town including its rural territory council the non-profit association "Viesite" health and social care centre", renovation of emergency medical care	10 000,00
Self-government the non-profit association "Kuldiga hospital" equipment for admission department	20 000,00
Self-government the non-profit association "Rezekne emergency medical care station", provision of technical equipment for emergency medical assistance teams	32 686,00
Lubana self-government the non-profit association "Lubana health and social health centre", certification of emergency medical care service	20 000,00
Iecava health and social care centre, reconstruction of admission and medical care departments	10 079,00
Self-government enterprise "Daugavpils emergency medical care station", procurement of equipment to provide emergency medical assistance within the limits of the compulsory requirements	18 628,00

Continuation on Page 42.

<b>1. Cases of unplanned changes in number of patients</b>		<b>1 627 115,19</b>
Payment for work carried out in medical institutions and laboratories above the working limits fixed by the contract within 9 months of 2003, of which:		138 701,00
Children clinical hospital	18 770,00	
Children clinical hospital "Gailezers"	33 116,00	
E. Gulbis laboratory	60 123,00	
"NMS laboratory" Ltd.	13 752,00	
"Central laboratory" Ltd.	12 940,00	
Payment for delivered and implanted electrocardiostimulation medical resources		129 288,10
The non-profit association the state joint stock association "Hospital "Linezers"" – procurement of the medicament Adenyl		870,00
Additional procurement of the medicaments Rebif and Betaferon		24 756,00
State centre of tuberculosis and lungs diseases, payment for overworked hours in 2002		83 490,47
Procurement of the medicament Rapamune		5 508,00
State stomatology centre, payment for overworked hours rendering emergency medical assistance in mouth, face-jaws surgery		30 087,15
State children cardiology centre in the hospital "Gailezers", procurement of medical remedies for cardiology		44 382,97
Procurement of medicaments for oncology and haematology		481 676,50
Health care institutions, payment for work carried out in 2002 due to increase in number of unplanned acute patients, of which:		688 355,00
Children clinical university hospital	66 281,00	
Daugavpils regional hospital	23 904,00	
Jekabpils region central hospital	18 006,00	
Clinical hospital "Gailzers"	143 245,00	
Liepaja town central hospital	37 674,00	
P. Stradins clinical university hospital	151 726,00	
Rezekne hospital	3 500,00	
Riga town hospital No 1	11 617,00	
Valmiera hospital	6 242,00	
Ventspils town hospital	29 316,00	
Vidzeme region prenatal care centre	10 520,00	
Daugavpils oncology hospital	10 000,00	
Infectology centre of Latvia	31 883,00	
Oncology centre of Latvia	2 960,00	
Liepaja oncology centre	25 144,00	
Psychiatry centre	5 057,00	
Riga town delivery hospital	43 539,00	
State centre of tuberculosis and lungs diseases	38 089,00	
Children clinical hospital "Gailezers"	26 424,00	
Children psychoneurological hospital "Ainazi"	3 228,00	
2.Execution of international contracts		37 110,17
Settlement of social insurance institution of Finland account		2 612,45
Central sickness fund of Estonia, emergency medical assistance rendered for inhabitants of Latvia in Estonia in 2002		3 774,93
Payment for rehabilitation services provided in railway hospital "Bikernieki" for persons suffered from national socialism regime		30 722,79
3.Activities connected with availability of services and information of society		70 103,99
Training and improvement of skills of paramedical personnel		34 536,00
The non-profit organization state joint stock association "Agency of health statistics and medical technologies", organization of the 2 <sup>nd</sup> national Uniformity conference "Osteoporosis in Latvia"		3 988,00
Riga council department of welfare, publishing of informative brochure on health		1 300,00
Diabetics association of Latvia, publishing of the book on diabetes		500,00
The Project of Latvian Red Cross "Share in life"		15 937,59
Realization of the project "Diabetes opera – 2003"		5 500,00
The non-profit association state joint stock association "Agency of health statistics and medical technologies", ensuring of activity of the register for medical persons		4 342,40
Publishing of the book "International functional invalidity and health classification"		4 000,00
4.Ensuring of health care reform and optimisation of the structure of health care providers		682 984,65
Finishing of reorganization process in the State family centre		6 000,00
Dismissal compensation for emergency medical assistance personnel of Salaspils out-patient clinics		4 628,01
The non-profit association "Valmiera hospital", optimisation of emergency medical assistance		20 000,00

Disaster medical centre, provision of medical assistance during Eurovision song contest	17 865,34
Disaster medical centre, salaries for children intensive care operative vehicle drivers and exploitation of operative vehicles	8 379,00
The non-profit association state joint stock association "Agency of health statistics and medical technologies", development of electronic version for International classification of diseases (ICD-10)	3 000,00
The non-profit association state joint stock association "Agency of health statistics and medical technologies", realisation of the project "Improvement of radiology security connected with medical radiation effects"	21 033,00
Development of common emergency medical care service in Riga and Riga region	400 000,00
Central hospital of Gulbene region, changing of the broken ultrasonography equipment to the new one	35 000,00
Rehabilitation centre "Razna", construction of elevator shaft and mounting of elevator	45 600,00
Children clinical university hospital, procurement of medical equipment	49 000,00
P. Stradins clinical university hospital, reconstruction of delivery department of prenatal care centre	49 900,00
Medical assistance during General Latvian song festival XXVII (tripartite contract between the agency "National Arts Centre", "Disaster medical centre", SCHIA)	22 579,30
<b>In the aggregate</b>	<b>3 026 150,00</b>
<b>Resources assigned in accordance with the Law "On the state budget for 2003"</b>	<b>3 026 150,00</b>

## Training of residents

Organization of the residency in the state is regulated by the Regulations No 120 "Distribution of residents and financing regulations of residency" issued by the Cabinet of Ministers of the Republic of Latvia on March 13th, 2001 with amendments approved on June 3<sup>rd</sup>, 2003.

Residency is a postgraduate training of physician to be educated in speciality in accordance with the curriculum accredited by the state realised by medical institutions entitled to teach concluding contracts with higher educational establishments. Duration of residency is 2-6 years depending on speciality. In Latvia the training of residents is provided in accordance with the postgraduate educational programs accredited by the state. Every year the Ministry of Health organizes the open tender for higher educational establishments to assign the state order in separate theoretical and practical education blocks of programs for training of residents in specialities of physicians (except, family doctors), as well as organizes competitions for selection of residenture pretenders. The Agency concludes agreements with the persons enrolled in residenture that after graduation of residenture the basic work of above stated persons, in accordance with distribution of the Ministry of Health, will be in the state or self-government medical institutions according to needs of the correspondent region pro tempore that is not less than 3 years.

### Costs of resident per month

1. Theoretical education and practical training costs:  
reward for teaching staff including the state social insurance payments (calculating on average 600 contact-hours of lessons a year) LVL 129,55
  2. Remuneration of resident (including the state social insurance payments) LVL 116,64
  3. Training aids and maintenance expenses of institutions (on average per resident) LVL 18,81
- TOTAL: LVL 265,00**

### Financing dynamics for education of residents

Study year	2001/02	2002/03	2003/04
Financing for resident a month (LVL) (as of June 1 <sup>st</sup> , 2001)	210	230	265
	230		

### Number and distribution of residents financed by the state budget by medical institutions (situation on October 1st , 2003)

	Riga hospital No 2	P. Stradins clinical university hospital	Children clinical hospital "Galezers"	Clinical hospital "Galezers"	Medicine centre of sports	National rehabilitation centre "Valvari"	Traumatology and orthopaedy hospital	Riga hospital No 1	RSU Stomatology institute	Infectology centre of Latvia	Oncology centre of Latvia	Riga emergency medical assistance station	Children clinical university hospital	State centre of tuberculosis and lungs diseases	Medical post-graduate education institute of the University of Latvia	University of Latvia	Riga P. Stradins university	Narcology centre	Psychiatry centre	Clinical centre for skin and sexually transmitted diseases	Marine medical centre of Latvia	State centre of donors	Health centre "Plavnieki"	Olita Ulmane family doctors practice	TOTAL	
Anaesthetist-reanimatologist		11		16																					27	
Physician of occupational diseases		2																								2
Surgeon of blood-vessels		3																								3
Paedogastroenterologist												1														1
Paedoinfectologist												3														3
Paedocardiolologist			1																							1
Paedosurgeon												4														4
Paedoneurologist											2															2
Paedooncohaematologist											1															1
Paedopneumatologist											1															1
Paedorheumatologist											1															1
Paedodontist								2																		2
Dermatovenerologist																				2						2
Endodontist								2																		2
Endocrinologist		1		1																						2
Phthisiopneumatologist		2											3													5
Doctor of physical medicine				1																						1
Gastroenterologist				1																						1
Gynaecologist, specialist in delivery		12						11													1					24
Family doctor		6													7	2	18							1		34
Infectologist										5																5
Internist		9		9				2													2					22
Cardiologist		3																								3
Surgeon		11		5				8														1				25
Laboratory physician										6																6
Genetician of medicine				3																						3
Surgeon of face, jaws, mouth cavity								3																		3
Narcologist																			2							2
Physician of emergency care												2														2
Nephrologist		2																								2
Neurosurgeon		1		2																						3
Neurologist		3		8																		1				12
Neonatologist													3													3
Oncologist											2															2
Oncology chemotherapist											1															1
Ophthalmologist		3		1																						4
Orthodont								3																		3
Otorhinolaryngologist													4													4
Pathologist		2																								2
Pediatrician													11													11
Periodontologist								2																		2
Psychiatrist				1																5						6
Psychotherapeutist																								5		5
Radiologist – therapeutist		2									1															3
Radiologist – diagnostician		3		12																		1				16
Rheumatologist		1																								1
Physician of rehabilitation						7																				7
Surgeon of heart		1	1																							2
Physician of sports					4																					4
Thoracal surgeon		1																								1
Transfuziologist																							1			1
Traumatologist -orthopaedist	1					1	6	1																		9
Urologist		2		2																						4
Prosthetist									5																	5
TOTAL	1	81	6	58	4	8	6	22	17	11	4	2	31	3	7		18	2	5	2	6		5	1	303	

## Health reform project

The program "Health reform project" comprises both the co-financing costs of Latvian government side and loan costs in accordance with the loan agreement No 4408-LV concluded between the Government of Latvia and International Bank for Reconstruction and Development and confirmed activities on November 25th, 1998. The common objective of the health reform project is implementation of the rational, accessible to the population health care system in Latvia, oriented towards the patient. The first realization stage of the project is divided into four components:

1. Health care financing reform – the main objective is ensuring of rational, transparent financial flow for qualitative medical services necessary for patient;
2. Restructuring of the system of health care services, whose main objectives are:
  - a) rational and efficient investment policy, enabling efficiency of costs and quality of services;
  - b) arrangement of the structure of service providers, providing cost efficiency and service quality.
3. Introduction of communication strategy of the health reform, whose main objective is information of society on the course of health care, informing both medicians and society.
4. Project co-ordination to assist preparation of the project (1<sup>st</sup> and 2<sup>nd</sup> phase), introduction including the general management of the project, co-ordination of the project, organization of procurements and accounting in accordance with the guidelines set by the World bank and legislation of Latvia.

Management information system or the project of common Management information system (MIS) of the whole branch of Latvian health care plans to develop the unified data transmission network with classificators and registers, including the settling-system for health care services, data analysis and statistical data information systems for health care system of Latvia.

In 2003 MIS elaboration and realization begun in February of 2002 was very intensive. Projection of the system, the most part of MIS software encoded and tested have been finished during realization of the project. Personnel to be working with MIS programs ( data input operators, accountants, economists, physicians-experts, etc.) in the Agency and its departments, Agency of health statistics and medical technologies, sickness funds, as well as medical institutions trained.

Several modules of the system have been introduced since September of 2003: classificators, state register for medical institutions and persons, register for sickness fund participants, settling-system for in-patient services (SPAMS). Register for contracts introduced reciting conditions of the contract (the price for bed-day, services for pay, etc.), forming of the budget for medical institutions (forming of budget, control over quotas, etc.) and introduction of management system for the rows of service recipients. The accounts on in-patient services can be prepared and co-ordinated with medical institutions by e-mail, basing on prepared information ( contract assigned, work performed).

255 computers with standard software have been additionally delivered within the framework of the project, of which 166 to the following in-patient institutions:

No.	Institution	Number of received computers
1.	The non-profit association state joint stock company "P.Stradins clinical university hospital"	6
2.	The non-profit association state joint stock company "Children clinical university hospital"	6
3.	The non-profit association state Ltd. "Clinical hospital "Gailezers"	3
4.	The non-profit association state Ltd. Jelgava psychoneurological hospital "Gintermuiza"	2
5.	Riga self-government the non-profit association Riga hospital No1 Ltd.	6
6.	The non-profit association state Ltd. Daugavpils Psychoneurological hospital	2
7.	The non-profit association state joint stock company "Children clinical university hospital"	6
8.	The non-profit association state Ltd. "Strenci psychoneurological hospital"	2
9.	The non-profit association state enterprise Oncology centre of Latvia	4
10.	The non-profit association state enterprise State centre for tuberculosis and lungs diseases	3
11.	Self-government Ltd. Daugavpils regional hospital	4
12.	Liepaja town central hospital	4
13.	Self-government the non-profit association Rezekne hospital	4
14.	The non-profit association state enterprise Infectology centre of Latvia	3
15.	The non-profit association Railway hospital "Bikernieki"	2
16.	Self-government the non-profit association Valmiera hospital	4
17.	The non-profit state Ltd. Traumatology and orthopaedy hospital	4
18.	Jelgava town hospital Ltd.	4
19.	Self-government the non-profit association Jekabpils region central hospital Ltd.	4
20.	The non-profit state Ltd. Children clinical hospital "Gailezers"	3
21.	The non-profit association state joint stock association Hospital "Linezers"	2
22.	Self-government the non-profit enterprise Ventspils town hospital	4
23.	The non-profit organization state enterprise National rehabilitation centre "Vaivari"	2
24.	Self-government the non-profit association Cesis region central hospital	3
25.	Self-government the non-profit association Ogre region hospital	3
26.	Riga self-government the non-profit association Riga hospital No2 Ltd.	3
27.	Self-government the non-profit association Aizkraukle region hospital	2
28.	Self-government the non-profit association Bauska hospital Ltd.2	
29.	Self-government the non-profit association Dobele and region hospital Ltd.	2
30.	Self-government the non-profit association Riga region hospital	2
31.	Self-government the non-profit association Tukums hospital and out-patient clinics	2
32.	Self-government the non-profit association Bulduri hospital Ltd.	2
33.	Self-government the non-profit association Ludza region hospital	2
34.	Self-government the non-profit association Limbazi hospital	2
35.	Self-government the non-profit association Madona hospital	2
36.	Kuldiga hospital Ltd.	2

No.	Institution	Number of received computers
37.	Self-government the non-profit association Gulbene hospital	2
38.	Self-government the non-profit association Balvi hospital	2
39.	Self-government the non-profit association Talsi hospital	2
40.	Self-government the non-profit association Aluksne hospital	2
41.	Self-government the non-profit association Saldus hospital	2
42.	The non-profit association state enterprise Narcology centre	4
43.	Self-government the non-profit association Kraslava region central hospital	2
44.	Self-government the non-profit association Preili hospital	2
45.	Self-government the non-profit association "Center for skin and sexually transmitted diseases"	2
46.	Self-government the non-profit association Aizpute regional hospital	2
47.	Self-government the non-profit association Red Cross Smitene hospital	2
48.	Self-government the non-profit association Valka hospital	2
49.	Self-government Jelgava region hospital Ltd.	2
50.	Self-government the non-profit association Liepaja region Priekule hospital	2
51.	Self-government the non-profit association Emergency medical assistance	1
52.	Self-government municipal enterprise Daugavpils emergency medical care station	1
53.	Riga emergency medical station	1
54.	Self-government the non-profit association Jelgava emergency medical care station	1
55.	Self-government the non-profit association Jurmala emergency medical care	1
56.	Liepaja emergency medical care station	1
57.	Self-government the non-profit association Rezekne emergency medical care station	1
58.	Disaster medicine centre	2
59.	The non-profit association state enterprise Oncology hospital of Liepaja	2
60.	The non-profit association state enterprise Oncology hospital of Daugavpils	2
61.	Self-government the non-profit association Riga city delivery hospital Ltd.	1
62.	The non-profit association state enterprise Cesis tuberculosis hospital	1
63.	The non-profit association state enterprise Jelgava narcology hospital	1
64.	The non-profit association state enterprise Daugavpils narcology hospital	1
65.	Self-government the non-profit association Jelgava tuberculosis hospital	1
66.	The non-profit association state enterprises Liepaja psychoneurological hospital	1
67.	Self-government the non-profit association Liepaja tuberculosis hospital	1
68.	The non-profit association state enterprise Rezekne tuberculosis hospital	1
69.	The non-profit association state enterprise Tuberculosis hospital "Ceplisi"	1
70.	The non-profit association state Ltd. Akniste psychoneurological hospital	1

## Characteristics of other programs

### Activity of central medicine ethics committee

The central medicine ethics committee secures the conformity of scientific projects and medical technologies to the standards of bio-ethics, collaborates and monitors the activity of Ethics committees in medical, educational and administrative institutions within the framework of the program. Committee also synchronises activity with the Standing bio-ethics committee of the Council of Europe and assures the conformity of legal documents being valid in Latvia to the demands of European Community.

### Financing for Riga Stradins university clinical basis

The subprogram organizes practices for Riga Stradins university students in medical institutions entitled to carry-out the training of medical persons. The common Agreement concluded by the Ministry of Health, Riga Stradins university and correspondent medical institutions appoint medical institutions for the clinical training. The clinical training can be carried-out by medical institutions meeting the compulsory requirements stated for medical institutions and their structural units by the Cabinet of Ministers.

The financing volume of medical institutions for the clinical training of students is fixed in accordance with the number of students financed by the state the clinical training of whom is ensured by medical institution. The Agency settles the accounts with medical institutions for ensuring of Riga Stradins university clinical basis from the basic budget resources of health care in accordance with the annual Law on the state budget, expenses for the clinical training per student a day in medical institution and contract of co-operation concluded between Riga Stradins university and medical institution.

### Monitoring, control and health information expenditure

The subprogram contains expenditure for professional quality control and monitoring of health care in medical institutions, summarisation of statistical information, preparation of statistical and topical year-books, actualisation of activity of data basis and data, preparation of classifiers and methodical materials, etc. Medical care and working ability expertise quality control inspection and the non-profit association state joint stock company the Agency for health information and medical technologies carries-out these assignments. The financing is assigned basing on financing plans confirmed by the Ministry of Finance.

Medical care and working-ability quality control inspection controls and supervises professional quality of health care in medical institutions apart from the form of property and subordination, controls transitional disability expertise quality protecting interests of patients, adjudicates claims, applications and proposals concerning health care and transitional disability expertise. In 2001 LVL 124 475 were allocated for performance of its functions, in 2002 – LVL 177 408 and in 2003 – LVL 201 181.

The Agency for health statistics and medical technologies provides updated basis of information technologies and procurement, processing, analysis of health care information and statistical data based on scientific arguments and elaboration of recommendations for stating of health care state policy and development strategy to make decisions in the Ministry of Health. In 2001 LVL 153 882 were allocated for performance of assignment, in 2002 – LVL 156 475, in 2003 – LVL 181 010.

### Services for charge

The program includes services for charge and resources of medical budget institutions received by the Agency for medical health care services rendered for military pensioners of Russian Federation in accordance with the Agreement record concluded between the Ministry of Welfare and the Ministry of Defence of Russian Federation. The Regulations No 171 "On procedure for spending of resources received for rendering of health care services for military pensioners of Russian Federation by Health compulsory insurance state agency" issued by the Ministry of Health on July 2<sup>nd</sup>, 2003 set the spending of resources. Income from the services rendered by medical budget institutions for charge is remitted to accounts of the institutions and institutions manage these resources by themselves. The Agency manages the health care services rendered for charge for military pensioners of Russian Federation

In 2003 a single activity for health care for the non-profit association state enterprise **national rehabilitation centre "Vaivari" – the program for persons, who accompanies children** was planned to be financed from the budget. The program pays the stay in rehabilitation centre for persons, who accompanies the children under 7 years, children suffering from mental development checking certified by physician, children incapable to move by themselves and children, whose neurological pathology is combined with impairments of sensory organs.

A single investment for renovation of lifts in **children clinical university hospital** is planned to be financed by the state special health care budget.

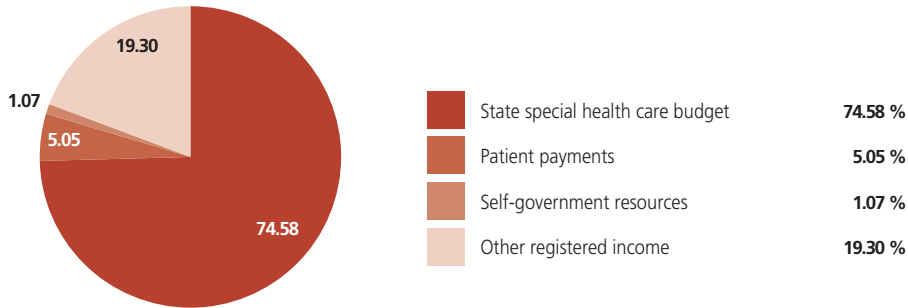


## Resulting showings of health care

- Characteristics of medical institutions
- Analyses on out-patient health care activity in 2003
- Showings on assistance provided by in-patient institutions
- Data provided by central register of sickness fund participants

# Characteristics of medical institutions

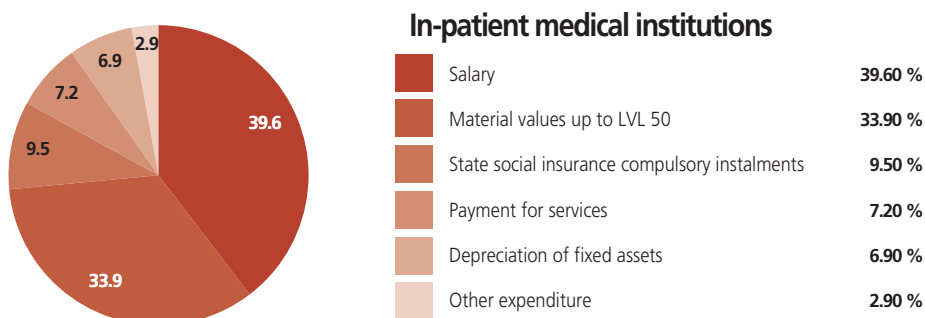
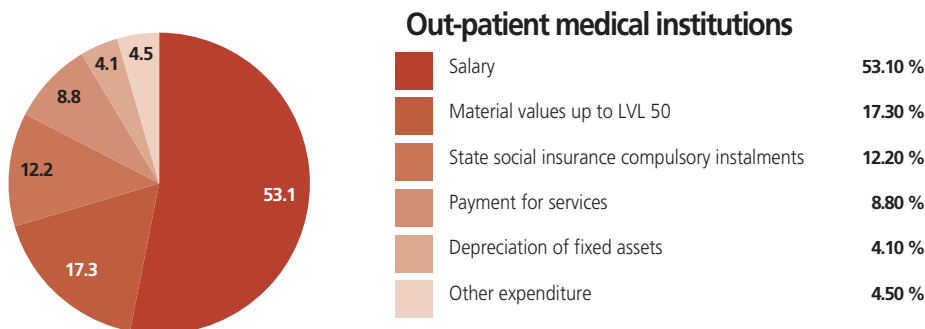
## Income structure of medical institutions %



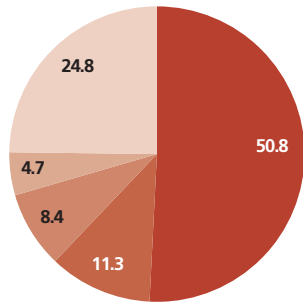
## Patient payment collected by medical institutions (LVL)

	Total	2002, of which		Total	2003, of which	
		direct payments	third person payments		direct payments	third person payments
In-patient institutions	6 371 284,00	4 557 012,00	1 814 272,00	5 672 699,00	3 435 405,00	2 237 294,00
Out-patient institutions	1 055 102,00	710 237,00	344 865,00	1 663 179,00	810 116,00	853 063,00
Doctors practices	1 084 084,00	678 994,00	405 090,00	1 346 237,00	812 361,00	533 876,00
Emergency medical care services	30 355,00	23 074,00	7 281,00	10 192,00	7 567,00	2 625,00
Other medical institutions	24 918,00	20 852,00	4 066,00	14 117,00	14 117,00	
<b>In the aggregate</b>	<b>8 565 743,00</b>	<b>5 990 169,00</b>	<b>2 575 574,00</b>	<b>8 706 424,00</b>	<b>5 079 566,00</b>	<b>3 626 858,00</b>

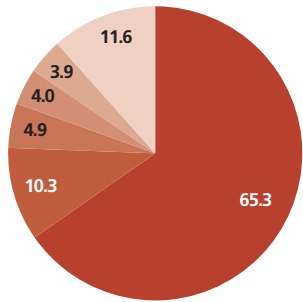
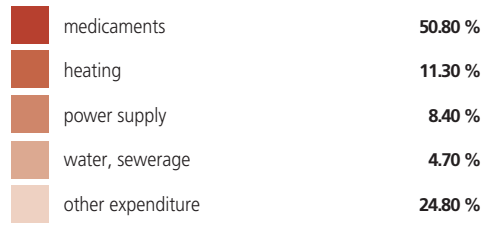
## Structure of the state budget expenditure of medical institutions (%)



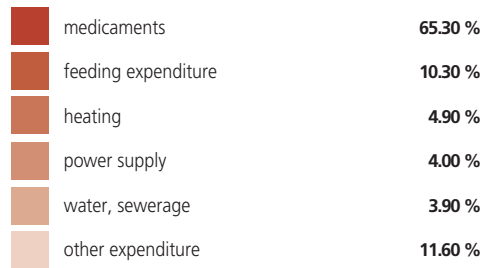
**Expenditure structure of medical institutions for materials, power supply and inventory (up to LVL 50)**



**Out-patient medical institutions**

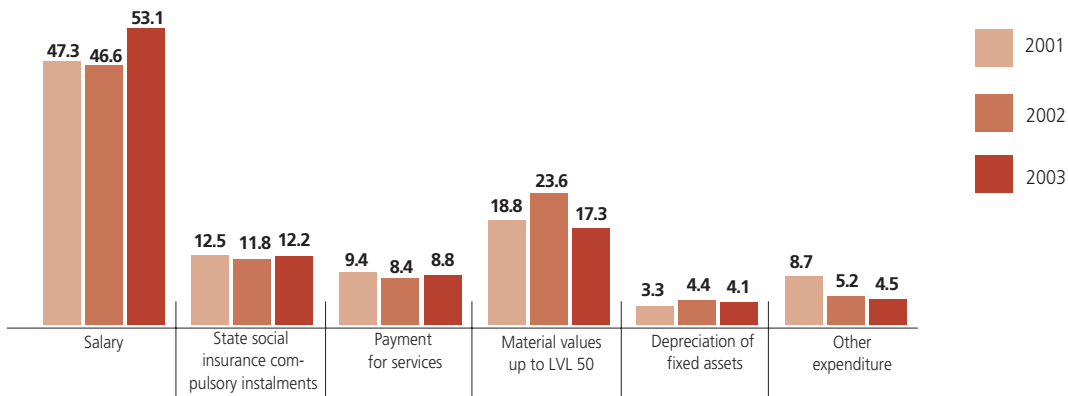


**In-patient medical institutions**

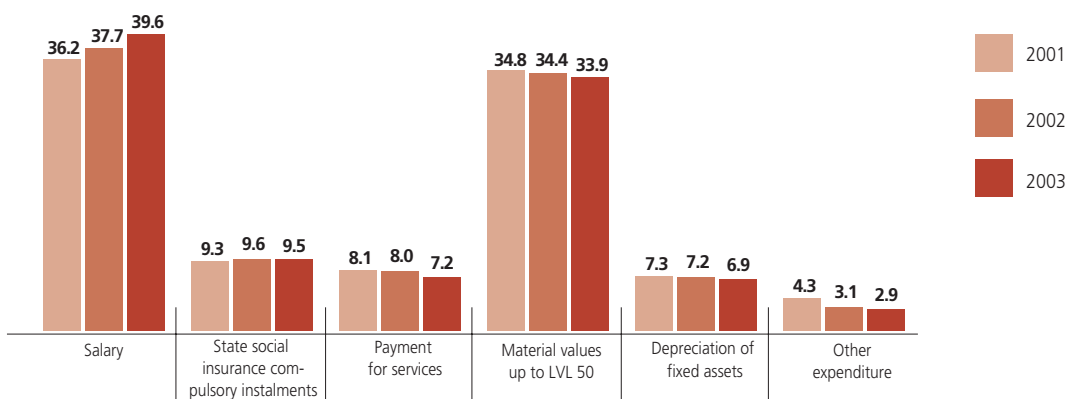


**Dynamics of expenditure structure**

**Out-patient medical institutions**



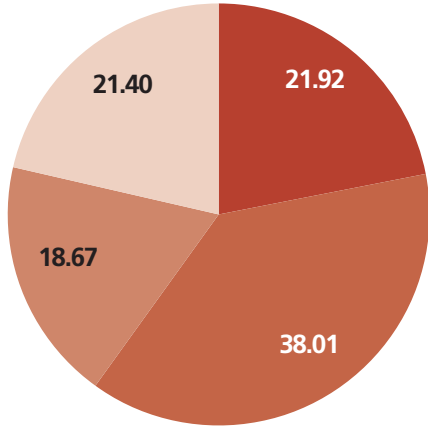
**In-patient medical institutions**



## Structure of operative personnel %

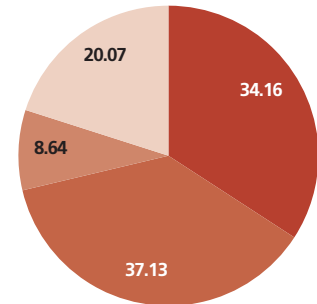
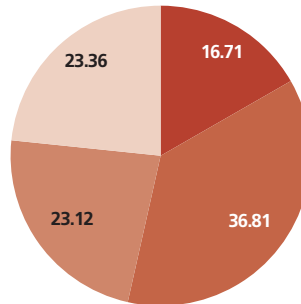
In contracting organizations of sickness funds

Of which:



In in-patient medical institutions

In out-patient medical institutions

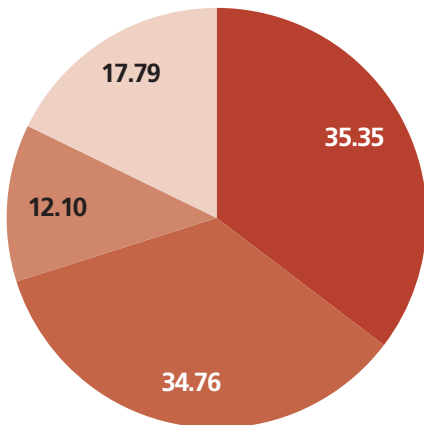


Physicians Paramedical staff Younger paramedical staff Other personnel

## Salary structure of operative personnel, %

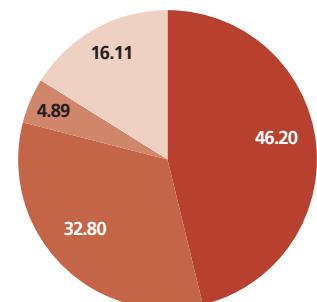
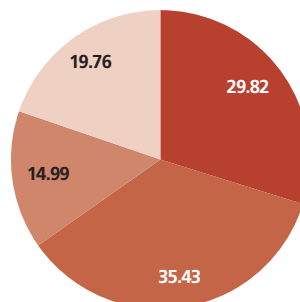
In contracting organizations of sickness funds

Of which:



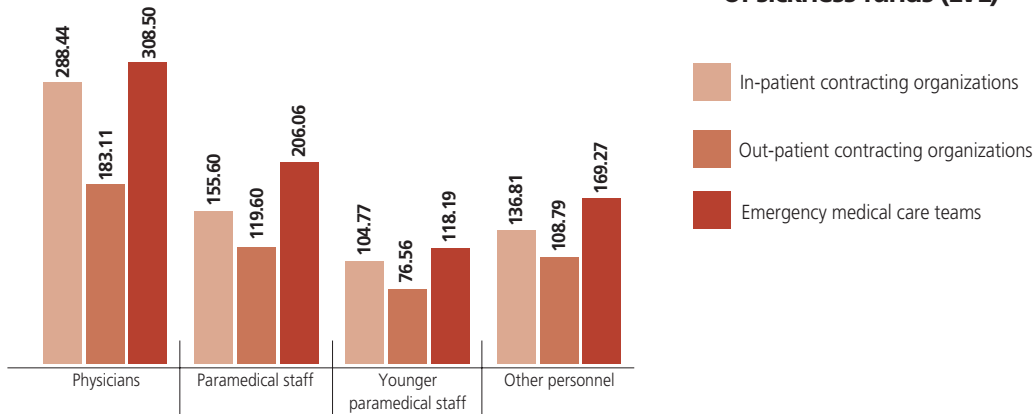
In in-patient medical institutions

In out-patient medical institutions



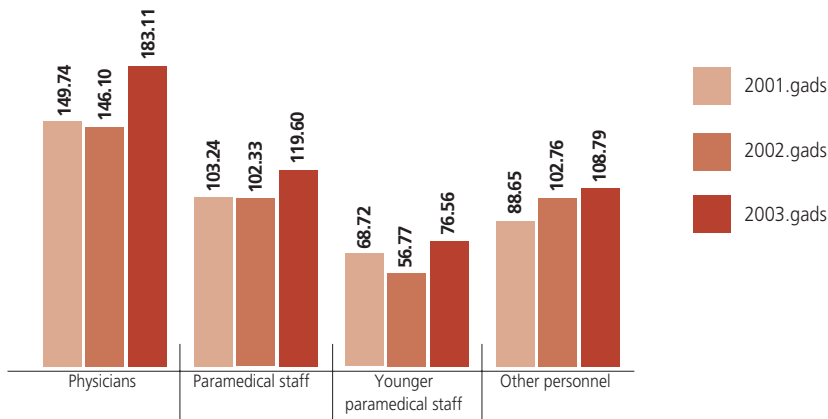
Physicians Paramedical staff Younger paramedical staff Other personnel

**Average payment for work per employed a month by contracting organizations of sickness funds (LVL)\***



**Of which:**

**Average payment for work per employed a month by out-patient contracting organizations of sickness funds (LVL) \*\***



**Average payment for work per employed a month by in-patient contracting organizations of sickness funds (LVL) \*\***



\* In accordance with the information provided by medical institutions the payment for work from the state budget resources was included. Information on payment for primary health care physicians isn't included, because of juridical status – they are self-employed persons.

\*\* In 2002 and 2003 the payment for work from the state budget resources was included (In 2001 the payment for work from resources of the state budget, patient payments, payments from rendered medical services and resources from self-government budgets were included).

# Analysis on out-patient health care activity in 2003

In 2003 statistical data for analysis and estimation of two models of out-patient health care organization and payment procedure a year were available. The basic statements for out-patient health care in Riga city are determined by the Regulations No 128 "On approbation procedure for out-patient health care payment in Riga city" issued by the Ministry of Welfare on July 1<sup>st</sup>, 2002, but in other regions of the state – in accordance with the Regulations No 240 "On primary health care organization and payment procedure" issued by the Ministry of Welfare on August 23<sup>rd</sup>, 2000. Estimating the results procured in 2003, it seems that payment procedure for out-patient health care services in Riga city within the framework of pilot project doesn't convince, that it has essential advantages comparing with the primary health care organization and payment procedure in accordance with the regulations No 240 issued by the Ministry of Welfare on August 23<sup>rd</sup>, 2000.

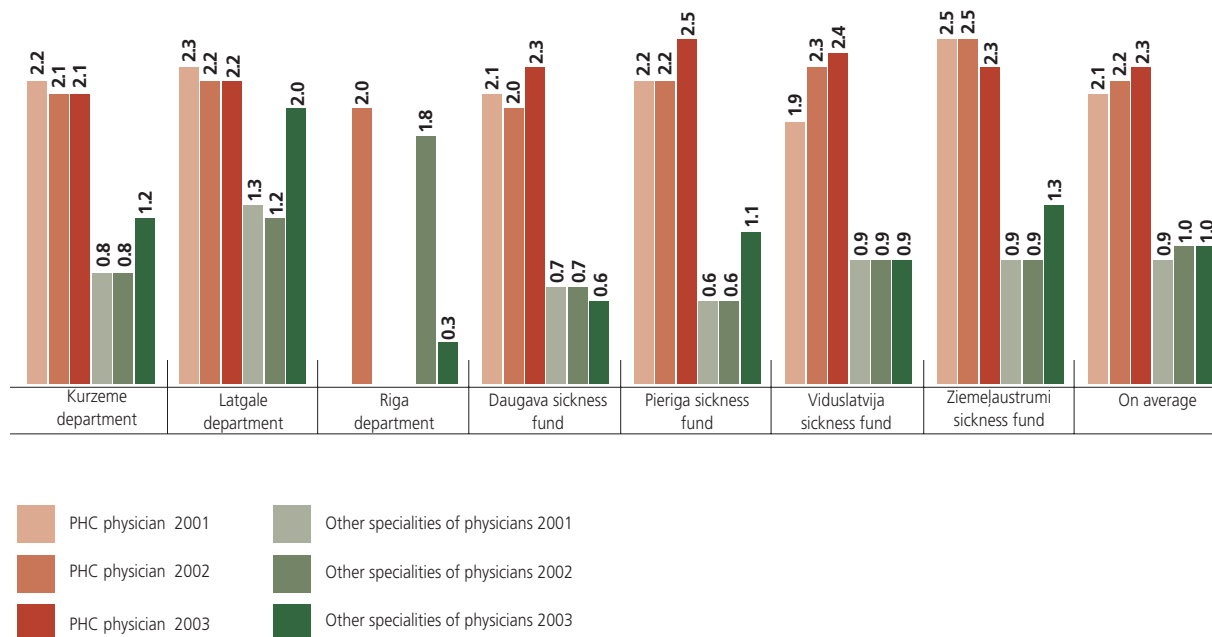
Although, Riga spends more resources for payment for secondary out-patient health care (SOHC) services per sickness fund participant than in the state on the whole, nevertheless a new problem arises, still limiting receiving of SOHC services, because of long rows forming to visit specialists, which, comparing with the other territory of the state are remarkably longer. Observing the "rural model" the tendency to avoid SOHC service providers can be seen.

Apparently, a new model for out-patient health care service organization and payment is necessary to be elaborated to provide qualitative out-patient health care services, eliminating the above stated shortcomings and merging the positive experience of the both models.

## Tabulation No 1. Number of out-patient visits per sickness fund participant a year

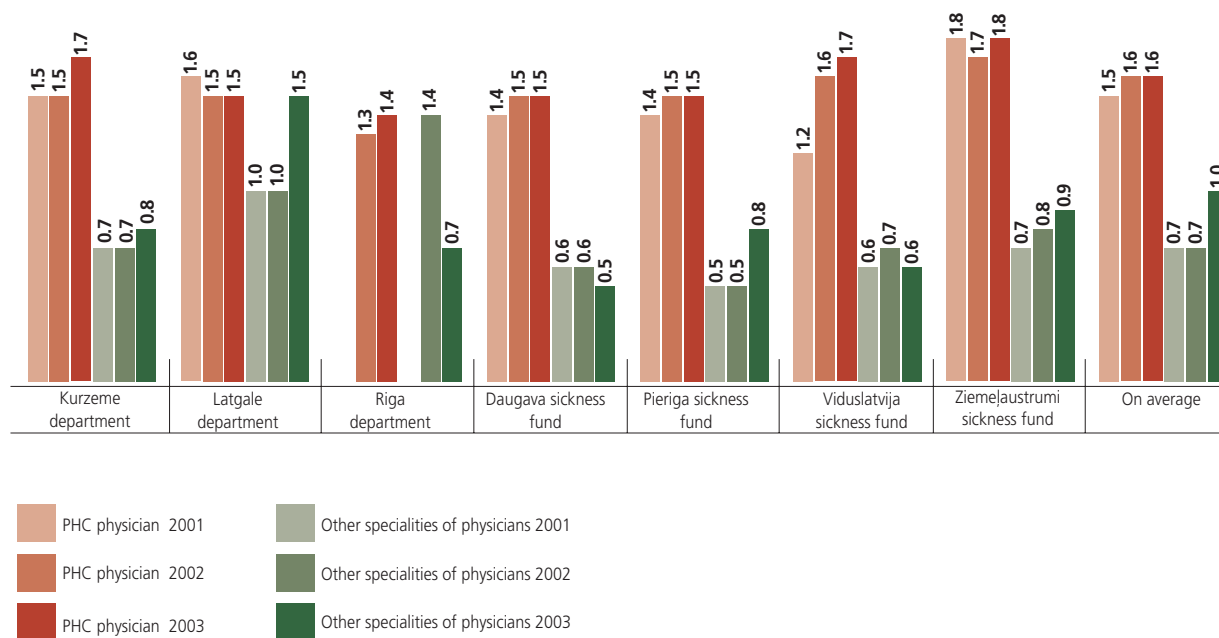
In 2003 on average in Latvia the number of visits to primary health care physician (hereinafter – PHC physician) per sickness fund participant constitutes 2,3 visits, but to other specialists 0,9 visits a year. The years before the visits to PHC physician at an average constituted 2,2 and to other specialists 0,9 visits a year.

In 2003 on average the number of visits in the state (number of visits to PHC physician and other specialists) constituted 3,2 visits per sickness fund participant.



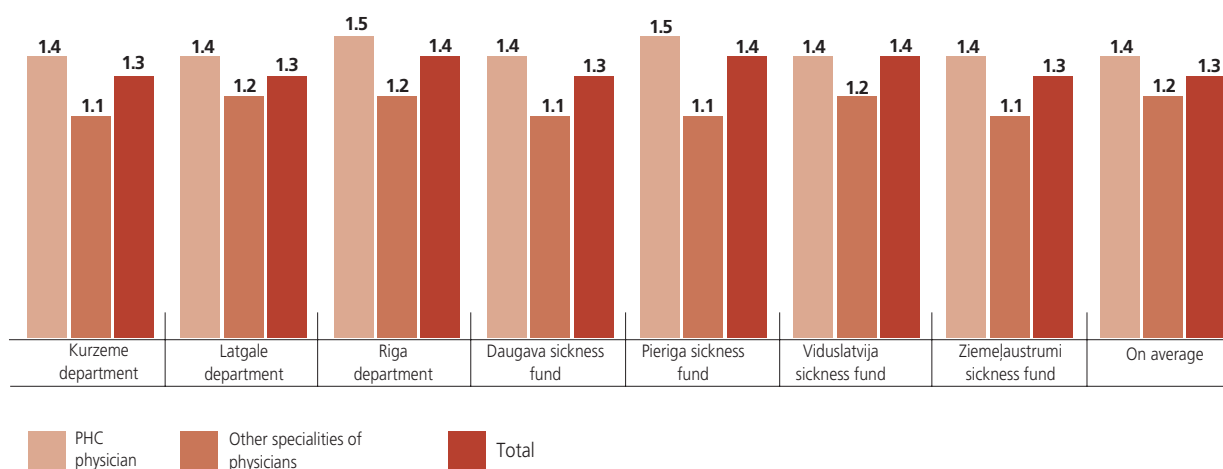
### Tabulation No 2. Number of health care episodes per sickness fund participant a year

In 2003 the average number of health care episodes to PHC physician is 1,6 episodes per sickness fund participant, but to other specialists 1,0. Comparing with the years before, the number of health care episodes per sickness fund participant hasnt slightly increased. On average the total number of health care episodes constitutes 2,6 episodes per sickness fund participant.



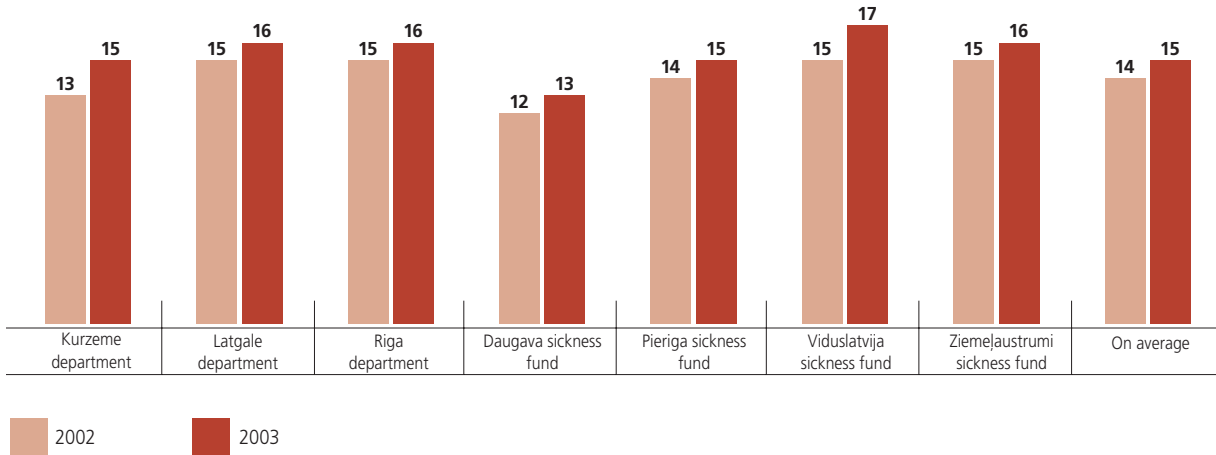
### Tabulation No 3. Number of visits per health care episode

In 2003 the number of visits per health care episode to PHC physicians on average constitutes 1,4 visits, but to other specialists – 1,2 visits. The tendency that number of visits both to PHC physicians and other specialists per health care episode comparing with the years before is going to reduce and it means, that illnesses are not so complicated and treatment of them is easier or visits which have to be contained into one health care episode are shown as two separate health care episodes, or arent shown at all.



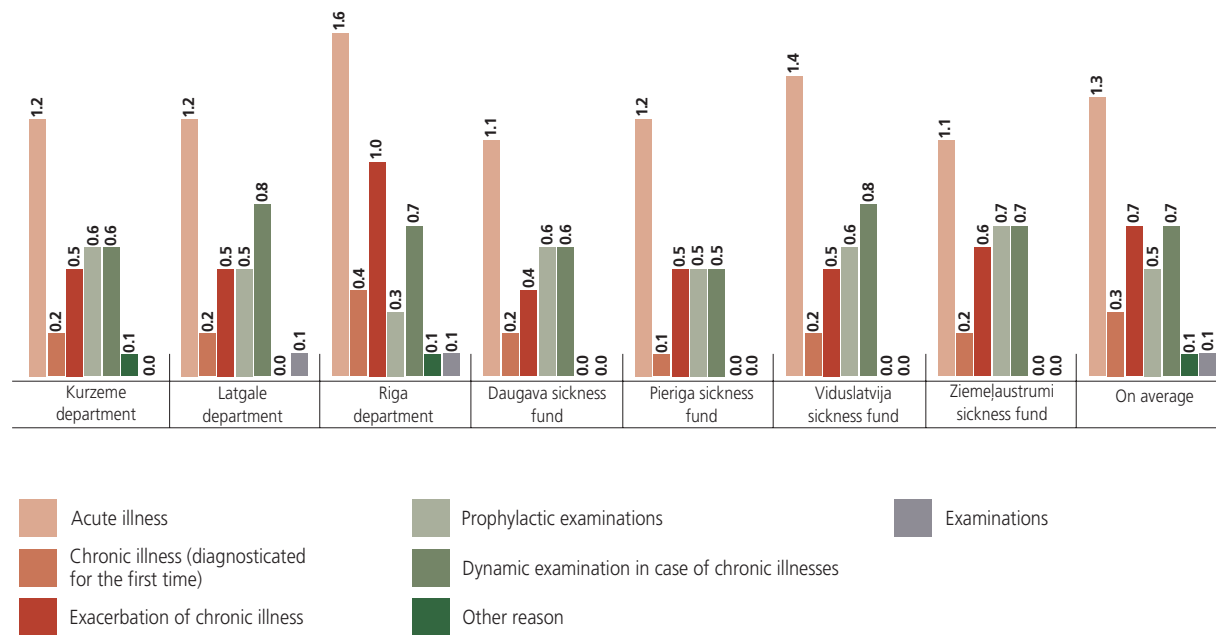
**Tabulation No 4. Average number of out-patient visits to PHC physician e day by sickness funds**

The average number of out-patient visits to PHC physician is calculated dividing the total number of visits to PHC physicians of each sickness fund by the number of PHC physicians employed in sickness fund and the number of working days a year. The graph shows that this showing varies from 13 (Daugava sickness fund) to 17 (Viduslatvija sickness fund) visits a day. On average PHC physician has 15 visits a day. Comparing with the year before this showing has increased in all sickness funds



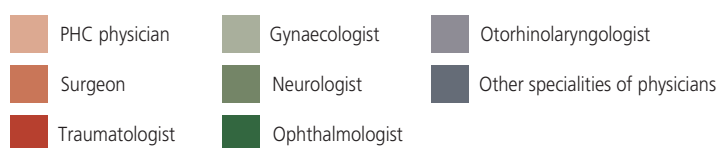
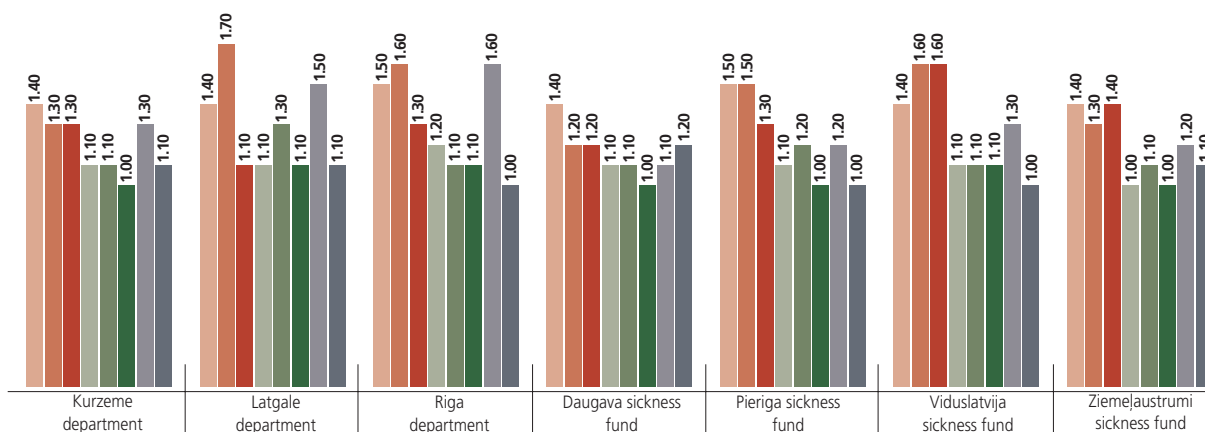
**Tabulation No 5. Number of out-patient visits by type of health care episodes per sickness fund participant a year**

This graph shows that the number of out-patient visits per sickness fund participant a year divides by 7 types of health care episodes by sickness fund. The most out-patient visits in all sickness funds are due to acute illnesses, then dynamic examination in case of chronic illnesses, prophylactic examinations, patronage, vaccinations and exacerbation illnesses diagnosed earlier follow.



**Tabulation No 6. Number of visits per health care episode by specialities of physicians**

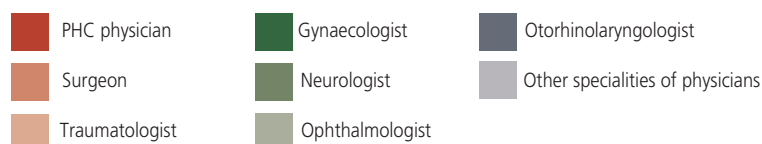
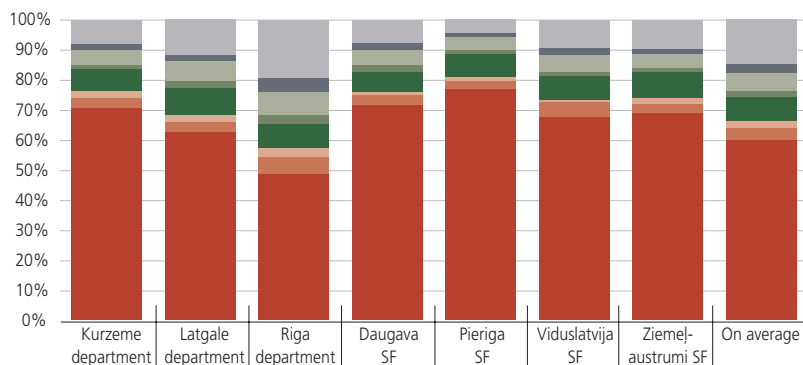
Ophthalmologists (on average – 1,1), neurologists (on average – 1,1) and gynaecologists (on average – 1,2) have the least visits within the frame of health care episode. Surgeon and otorhinolaryngologist have the highest showing – on average 1,5 visits per health care episode. Physicians of some other specialities – surgeons, traumatologists and otorhinolaryngologists have a sharp differences in numbers given by sickness funds. The differences can be explained by individual approach of physician of each sickness fund to the treatment process of patient.



	PHC physician	Surgeon	Traumatologist	Gynaecologist	Neurologist	Ophthalmologist	Otorhinolaryngologist	Other specialities of physicians
Kurzeme department	1,4	1,3	1,3	1,1	1,1	1,0	1,3	1,1
Latgale department	1,4	1,7	1,1	1,1	1,3	1,1	1,5	1,1
Riga department	1,5	1,6	1,3	1,2	1,1	1,1	1,6	1,0
Daugava sickness fund	1,4	1,2	1,2	1,1	1,1	1,0	1,1	1,2
Pieriga sickness fund	1,5	1,5	1,3	1,1	1,2	1,0	1,2	1,0
Viduslatvija sickness fund	1,4	1,6	1,6	1,1	1,1	1,1	1,3	1,0
Ziemeļaustrumi sickness fund	1,4	1,3	1,4	1,0	1,1	1,0	1,2	1,1
<b>On average</b>	<b>1,4</b>	<b>1,5</b>	<b>1,3</b>	<b>1,1</b>	<b>1,1</b>	<b>1,1</b>	<b>1,5</b>	<b>1,0</b>

**Tabulation No 7. Number of health care episodes by specialities of physicians**

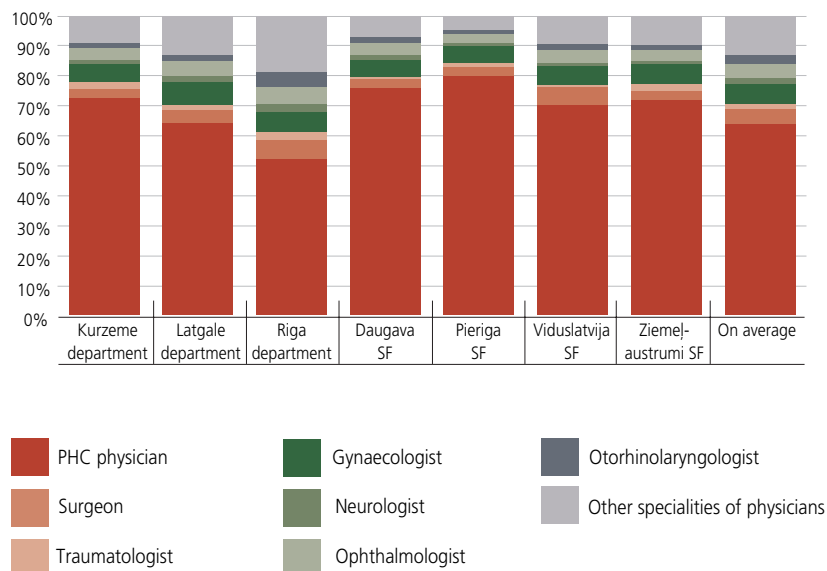
If the common number of health care episodes is assumed as 100%, the number of health care episodes performed by PHC physicians in all sickness funds, excluding Riga department exceeds 60%. Pieriga (76,7%) and Daugava (71,6%) sickness funds have the highest proportion, Latgale (62,4%) sickness fund and Riga department (48,5%) have the least proportion. Comparing with other specialities of physicians, gynaecologists and ophthalmologists have the highest proportion of all health care episodes – gynaecologist on average 7,9% and ophthalmologist – 6,0%.



	PHC physician	Surgeon	Traumatologist	Gynaecologist	Neurologist	Ophthalmologist	Otorhinolaryngologist	Other specialities
Kurzeme department	70,5	3,3	2,4	7,3	1,3	5,2	1,7	8,2
Latgale department	62,4	3,4	2,4	9,2	2,3	6,5	2,0	11,9
Rigas department	48,5	5,8	3,0	8,0	3,0	7,6	4,5	19,6
Daugava SF	71,6	3,2	1,0	6,9	2,0	5,1	2,4	7,7
Pieriga SF	76,7	2,9	1,2	7,8	1,1	4,6	1,3	4,4
Viduslatvija SF	67,5	5,2	0,4	8,3	1,2	5,7	2,3	9,3
Ziemeļaustrumi SF	68,9	3,0	2,1	8,4	1,6	4,5	1,9	9,6
<b>On average</b>	<b>59,8</b>	<b>4,3</b>	<b>2,2</b>	<b>7,9</b>	<b>2,1</b>	<b>6,0</b>	<b>2,9</b>	<b>14,9</b>

### Tabulation No 8. Out-patient visits by specialities of physicians

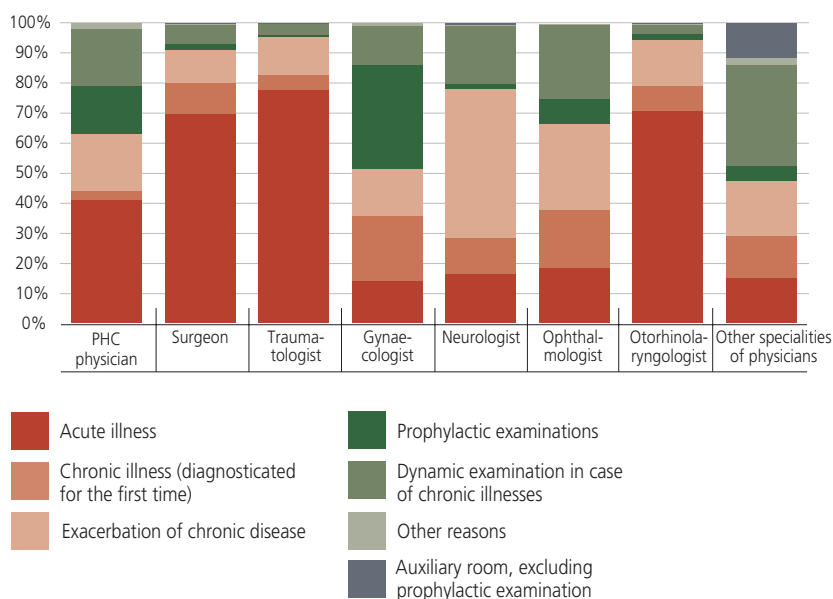
This graph is drawn up according to the same principle as the tabulation "Number of health care episodes by specialities of physicians". The results are also analogous: PHC physician has the most part of visits. The number of visits to PHC physicians fluctuates from 51,9% (Riga department) to 79,8% (Pieriga sickness fund) of all visits.



	PHC physician	Surgeon	Traumatologist	Gynaecologist	Neurologist	Ophthalmologist	Otorhinolaryngologist	Other specialities of physicians
Kurzeme department	72,3	3,3	2,3	6,0	1,1	4,1	1,7	8,0
Latgale department	64,1	4,1	1,9	7,6	2,1	5,0	2,1	11,3
Riga department	51,9	6,4	2,7	6,8	2,4	5,8	5,1	16,5
Daugava sickness fund	75,7	3,0	0,9	5,6	1,6	4,0	2,1	7,0
Pieriga sickness fund	79,8	3,0	1,1	5,9	0,9	3,3	1,1	4,1
Viduslatvija sickness fund	70,2	6,0	0,5	6,5	1,0	4,3	2,2	8,1
Ziemeļaustrumi sickness fund	71,9	3,0	2,2	6,6	1,3	3,5	1,8	8,8
<b>On average</b>	<b>63,8</b>	<b>4,8</b>	<b>2,0</b>	<b>6,6</b>	<b>1,8</b>	<b>4,7</b>	<b>3,1</b>	<b>13,1</b>

### Tabulation No 9. Structure of number of visits by different specialities of physicians divided by health care episode

This graph shows the division of out-patient visits by every speciality of physician by the mode of health care episode. For example, surgeons, traumatologists and otorhinolaryngologists have patients suffering from acute illnesses (69,5; 77,8; 70,8% of the number of all episodes). Comparatively, gynaecologists, neurologists and ophthalmologists have a small number of patients suffering from acute illnesses (13,7-18,2%), for it, they have many patients with chronic illnesses diagnosed for the first time (11,9 – 19,3%). Acute illnesses constitute 40,9% of PHC physicians work and exacerbation of previously diagnosed illnesses, prophylactic examination, patronage, vaccination and dynamic examination in case of chronic illnesses are comparatively similarly divided (from 16,2 to 19,1%), but chronic illness diagnosed for the first time constitutes only 3,1%.

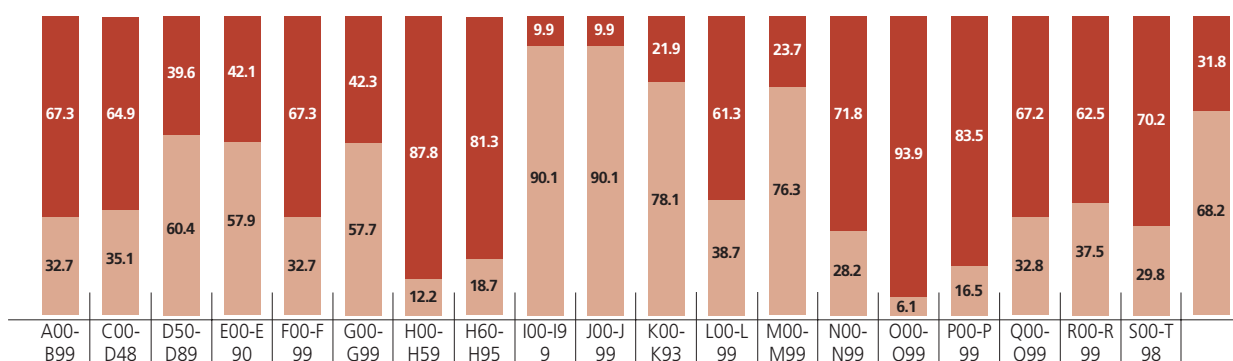


Reason of visit	PHC physician	Surgeon	Traumatologist	Gynaecologist	Neurologist	Ophthalmologist	Otorhinolaryngologist	Other specialities of physicians
Acute illness	40,9	69,5	77,8	13,7	16,3	18,2	70,8	14,8
Chronic illness (diagnosed for the first time)	3,1	10,4	4,7	22,0	11,9	19,3	8,1	14,2
Exacerbation of chronic illness	18,8	11,1	12,7	15,5	49,8	28,9	15,5	18,3
Prophylactic examinations	16,2	2,0	0,8	34,9	1,6	8,3	2,0	5,0
Dynamic examination in case of chronic illnesses	19,1	6,4	3,7	12,8	19,6	24,6	3,0	33,6
Other reasons	1,8	0,3	0,0	1,1	0,3	0,3	0,2	2,6
Auxiliary room, excluding prophylactic examination	0,1	0,3	0,2	0,1	0,6	0,3	0,4	11,4

### Tabulation No 10. Number of out-patient visits by basic diagnosis

This graph shows all out-patient visits divided by groups of diagnosis in accordance with the 10th version of International classification for diseases and health problems and proportion of visits to PHC physicians and other specialists has been calculated in each group. The patients suffering from diseases of circulatory system (I00-I99)-90,1%, diseases of the respiratory system (J00-J99)-90,1%, diseases of the digestive system (K00-K93)-78,1%, diseases of muscle-skeletal system and connective tissue (M00-M99)-76,3% constitute a high proportion of visits to PHC. Patients connecting pregnancy, childbirth and the puerperal issues (O00-O99) – 93,9%, diseases of eyes and their auxiliary organs (H00-H59)-87,8%, certain states of prenatal period (P00-P99)-83,5% and diseases of the ear and mastoid process (H60-H95) – 81,3% mostly visit specialists.

#### Division of out-patient visits by basic diagnosis (%)

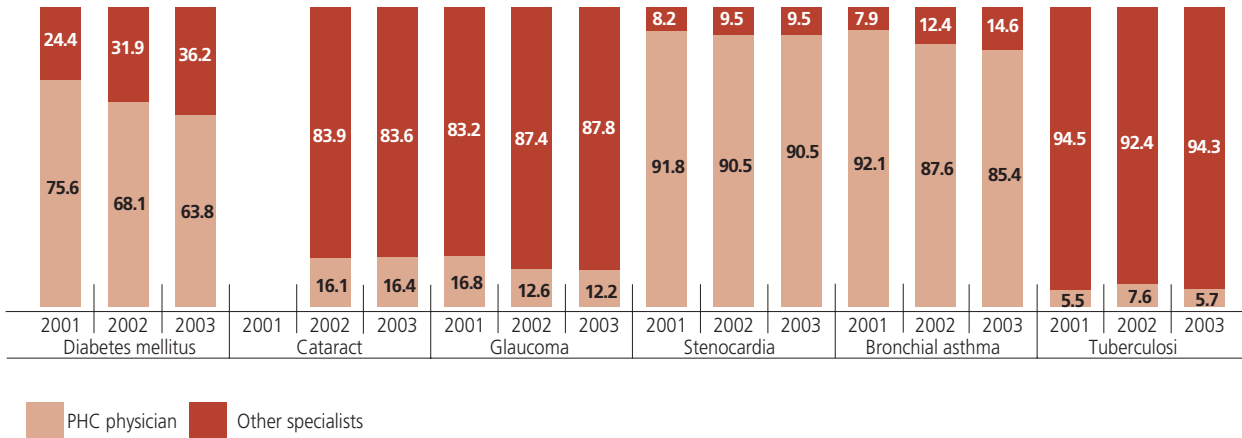


PHC physician    Other specialists

Groups of diagnosis ICD-10	according to ICD-10 code	PHC physician	Other specialists
Certain infectious and parasitic diseases	A00-B99	32,7	67,3
Tumours	C00-D48	35,1	64,9
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89	60,4	39,6
Endocrine, nutritional and metabolic diseases	E00-E90	57,9	42,1
Mental and behavioural disorders	F00-F99	32,7	67,3
Diseases of the nervous system	G00-G99	57,7	42,3
Diseases of eyes and their auxiliary organs	H00-H59	12,2	87,8
Diseases of the ear and mastoid process	H60-H95	18,7	81,3
Diseases of the circulatory system	I00-I99	90,1	9,9
Diseases of the respiratory system	J00-J99	90,1	9,9
Diseases of the digestive system	K00-K93	78,1	21,9
Diseases of the skin and subcutaneous tissue	L00-L99	38,7	61,3
Diseases of the muscle-skeletal system and connective tissue	M00-M99	76,3	23,7
Diseases of the genitourinary system	N00-N99	28,2	71,8
Pregnancy, childbirth and the puerperium	O00-O99	6,1	93,9
Certain conditions originating in the prenatal period	P00-P99	16,5	83,5
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99	32,8	67,2
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99	37,5	62,5
Injuries, poisoning and other external influence after-effects	S00-T98	29,8	70,2
Diagnosis not indicated or other one, which is not above stated		68,2	31,8

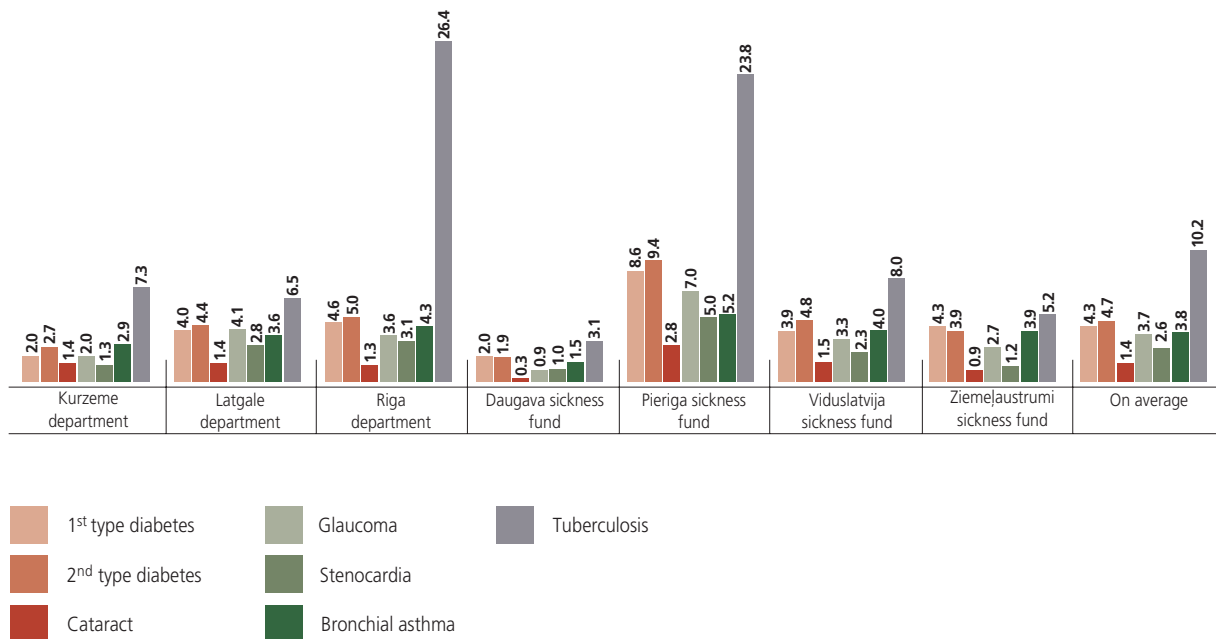
**Tabulation No 11. Number of out-patient visits to PHC physician and other specialists by definite diseases**

This graph analyses the number of definite diagnosis patient visits to PHC physicians and specialists. Likewise as in the years before PHC physician provides health care for diabetes mellitus, stenocardia and bronchial asthma patients, but other specialists – patients suffering from cataract, glaucoma and tuberculosis



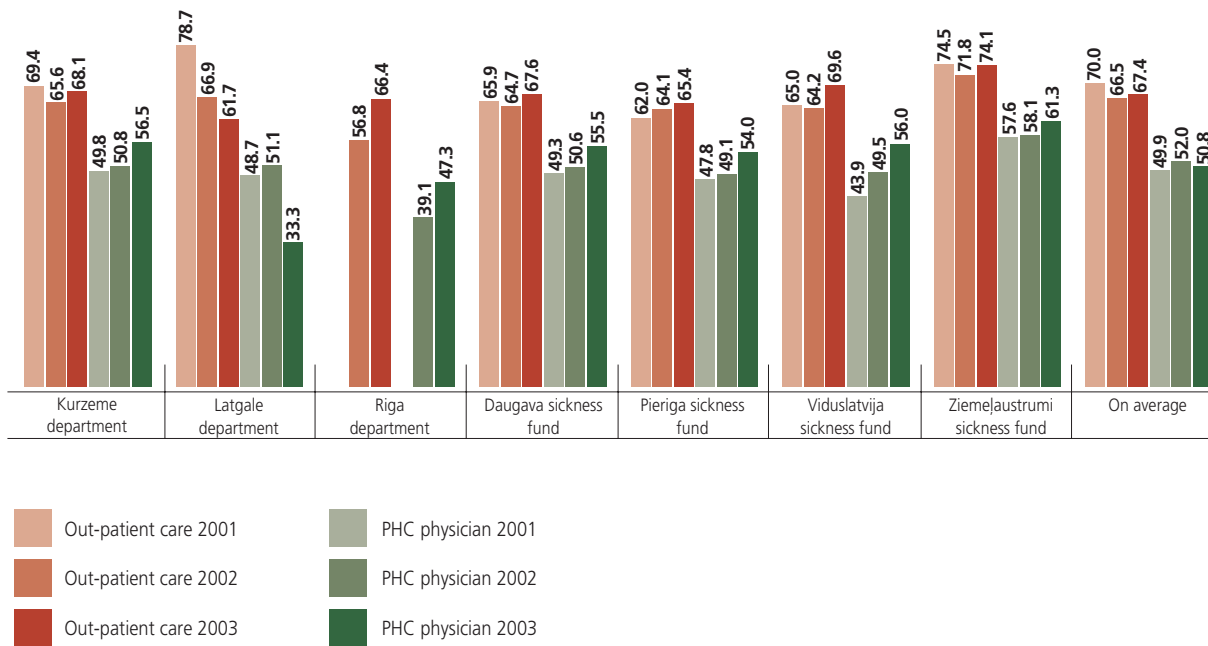
**Tabulation No 12. Number of visits per definite diagnosis patient a year**

This graph analyses the number of out-patient visits of participant suffering from chronic illness a year divided by sickness funds. The number of patients has been calculated from the data basis of out-patient health care services. Tuberculosis patients have the most visits a year, on average – 10,2 visits per participant, the least – cataract patients – 1,4 visits a year. We can observe a great difference between the sickness fund concerning visits of tuberculosis patients – from 3,1 in Pieriga sickness fund to 26,4 visits in Kurzeme department of the Agency.



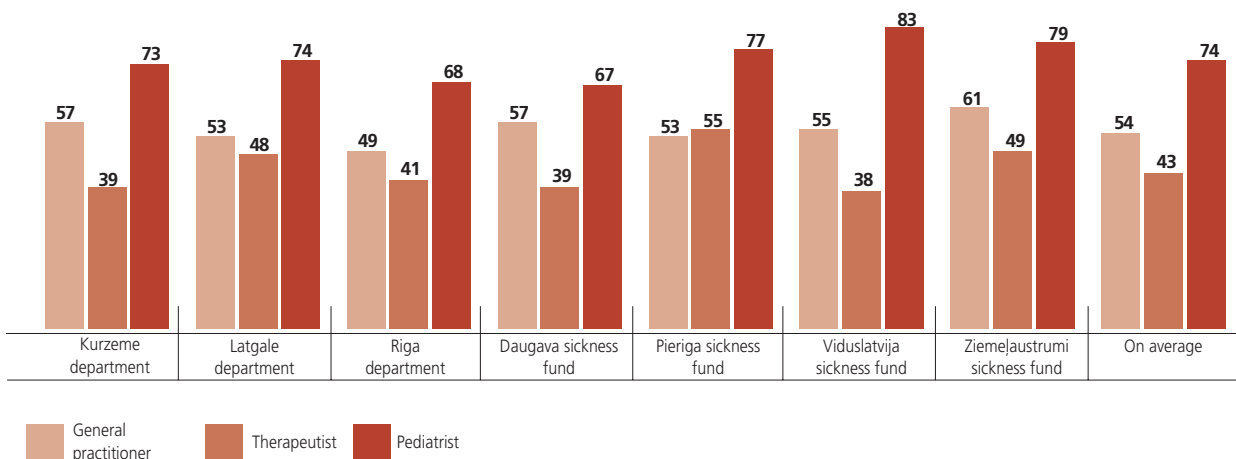
**Tabulation No 13. Number of sickness fund participants received out-patient services**

This tabulation summarises the data from data basis of out-patient health care services, according to identity codes, counting up the persons received out-patient health care services, and how many of them – at PHC physicians. Results are given as per cents of total number of sickness fund participants (summarising the number of persons registered with PHC physicians and passively registered sickness fund participants, unregistered with a definite PHC physician). On average, in the state 69,8% or two thirds of inhabitants of Latvia have received out-patient assistance, but every other inhabitant of Latvia has visited PHC doctor or 53,2%. In comparison with the years before, we can see the growth in these showings in all sickness funds.



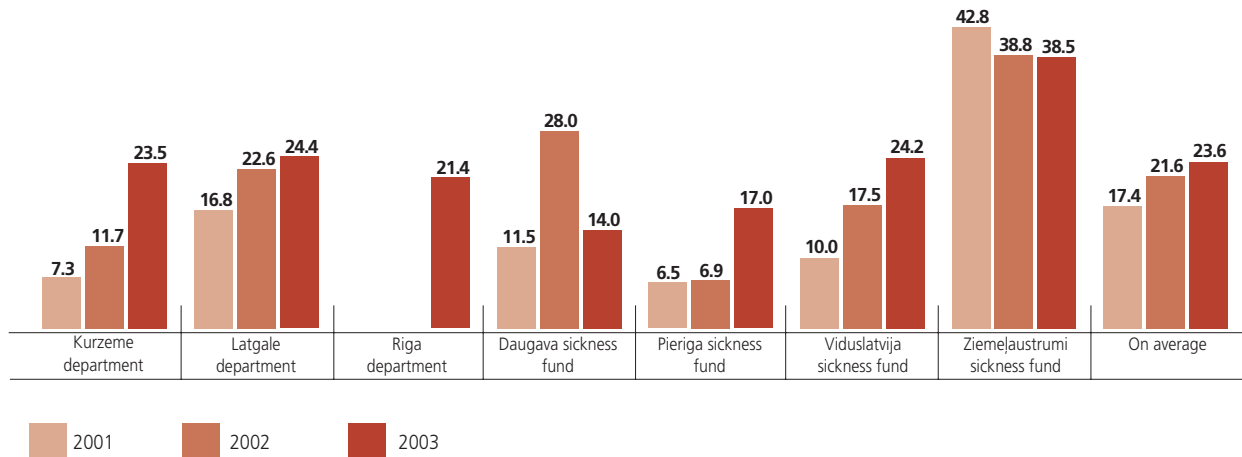
**Tabulation No 14. Containment of patients registered with PHC physicians by specialities**

This tabulation summarises the data from data basis of out-patient health care services according to identity codes of persons, summing up the number of persons, who have received out-patient health care services at their PHC physician. All practices of PHC physicians are divided by types of practices of PHC physicians – general practitioner, paediatrician, therapist according to age structure of registered patients. The graph shows that paediatrician type practices have the most containing of patients (on average 74%), but the least – therapist practices (on average 43%). The containment of general practitioners constitutes 54%. Ģimenes ārstu praksēm aptvere ir 54%.



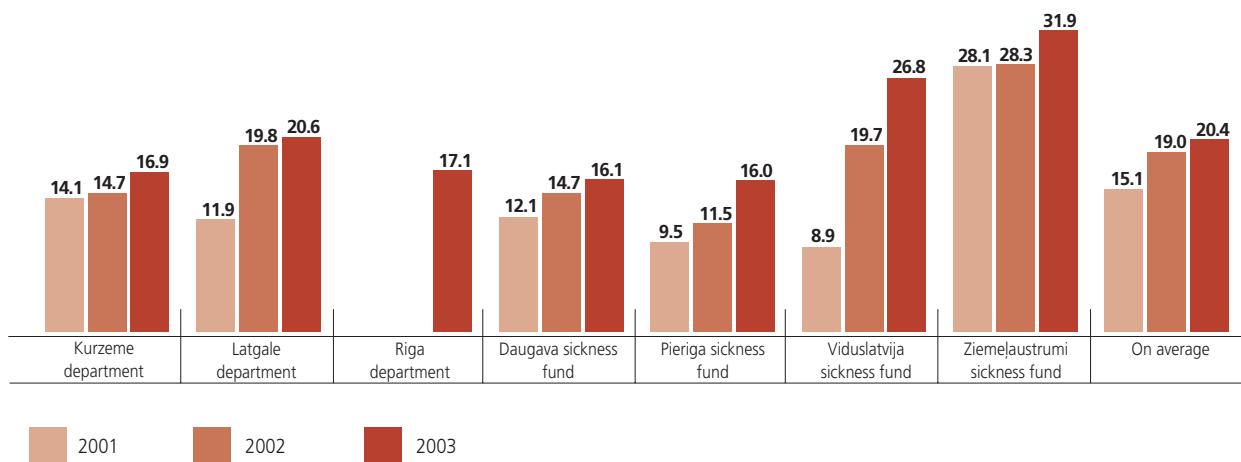
### Tabulation No 15. Onco-cytological examinations of females by sickness funds

In accordance with the Order No 240 "On primary health care organization and payment procedure" issued by the Ministry of Welfare, onco-cytological examination contains the age group of 18-65. For recognition of service the accordant laboratorial manipulation code was used. Ziemeļaustrumi sickness fund has the highest showing, where the containment is 38,5%. In comparison with the data of the years before, the increment in onco-cytological containment is being observed in almost all sickness funds. On average, in 2003 in the state the showing of containment is 23,6%.



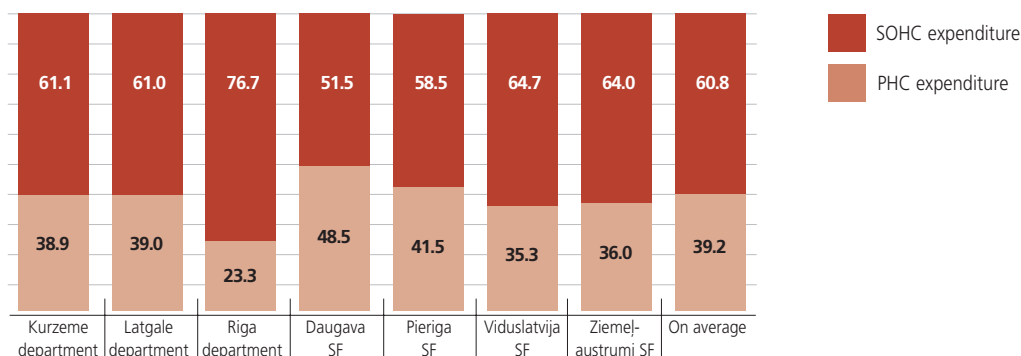
### Tabulation No 16. X-ray examinations of lungs by sickness funds

Containment of X-ray examinations of lungs is valued for patients after the age of 40 in accordance with the Order No 240 "On primary health care organization and payment procedure" issued by the Ministry of Welfare. The minimum showing of containment for performance of which PHC physician could receive the accordant "payment for quality" resources in the full volume is prescribed by this document – it constitutes 40%. For recognition of service the accordant X-ray manipulation codes were used in data basis. The graph shows that this showing fluctuates from 16,0% (Pierīga sickness fund) to 31,9% (Ziemeļaustrumi sickness fund). On average, in the state it constitutes 20,4%. Although these showings are still low, however in comparison with the data of the years before, the containment has a tendency to increase.



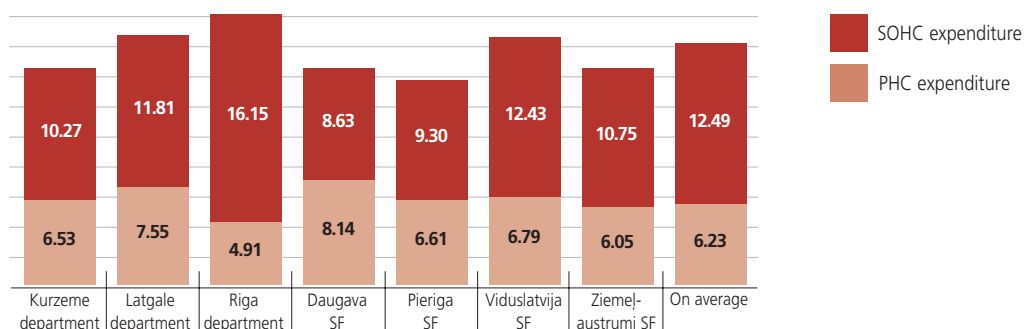
**Tabulation No 17. Proportion of primary and secondary health care by sickness funds (excluding dentistry)**

This graph shows the proportion of resources divided between the primary and secondary health care. Primary health care resources are formed by: part of poll-tax, which receive PHC physicians, PHC physician quality money, fixed extra money for PHC physicians and fixed extra money for PHC physician assistants and PHC nurses. Secondary health care resources are formed by: payments to specialists being directly available, part of poll-tax, which receive secondary health care specialists and out-patient health care payment according to the system of points. The graph shows, that on average in the state 39,2% of resources goes for PHC services and 60,8% for secondary out-patient health care services. Daugava sickness fund (48,5%) and Pieriga sickness fund (41,5%) spend the most part of resources for PHC. These sickness funds have the biggest number of visits to PHC physicians comparing with physicians of other specialities (the graph " Out-patient visits by specialities of physicians"). Riga department of the Agency has the least spending for PHC services – 23,3%.



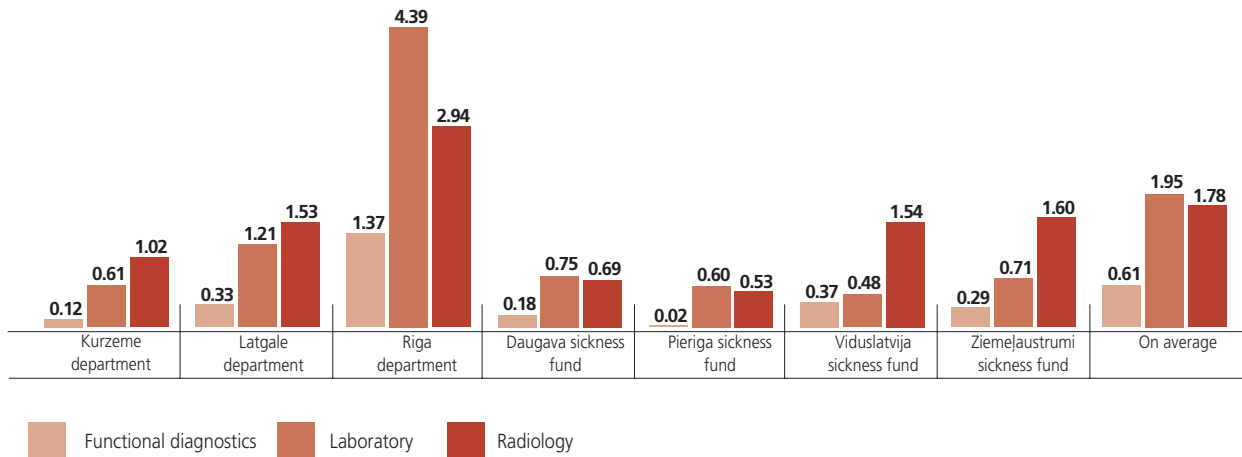
**Tabulation No 18. Expenditure of out-patient and in-patient health care by sickness funds per sickness fund participant (excluding dentistry)**

This graph shows the actual spending of resources for primary and secondary health care per sickness fund participant. The graph shows that on average in the state LVL 6,23 are spent for PHC services per sickness fund participant and LVL 12,49 for SOHC services. Daugava sickness fund (LVL 8,14) and Latgale department of the Agency (Ls 7,55) spend the most part of resources for PHC per sickness fund participant. Riga department of the Agency has the least spending for PHC services for sickness fund participant – LVL 4,91.



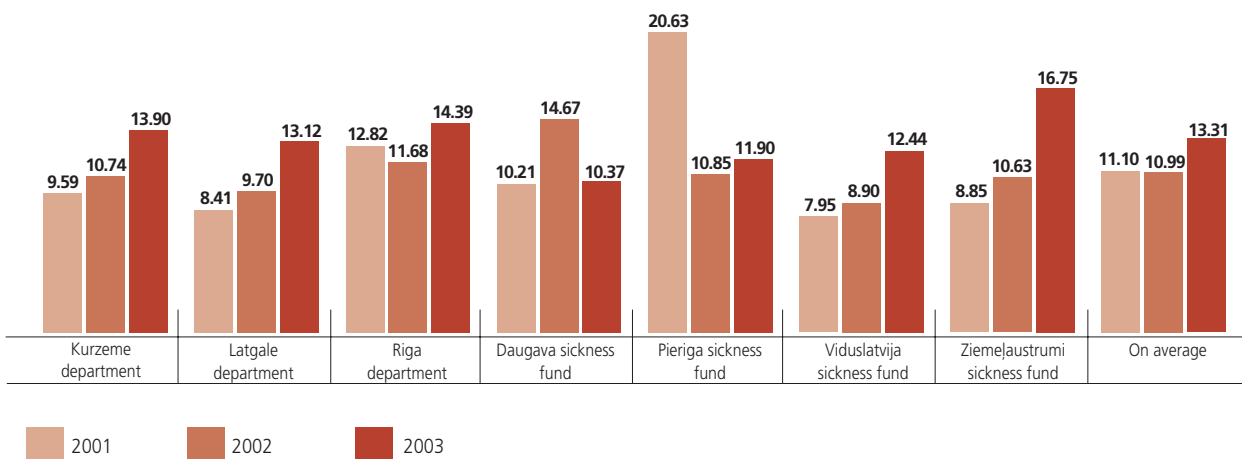
**Tabulation No 19. Expenditure for functional diagnostics, laboratory and X-ray examinations by sickness fund participant**

Expenses have been calculated from out-patient health care data basis, according to manipulation codes of health care estimation criteria for services and speciality codes of service providers. Laboratory examinations of PHC physicians are not included. Riga department of the Agency spends the most money for functional diagnostics, laboratory and X-ray examinations per sickness fund participant, but the least is spent by Daugava and Pieriga sickness funds.



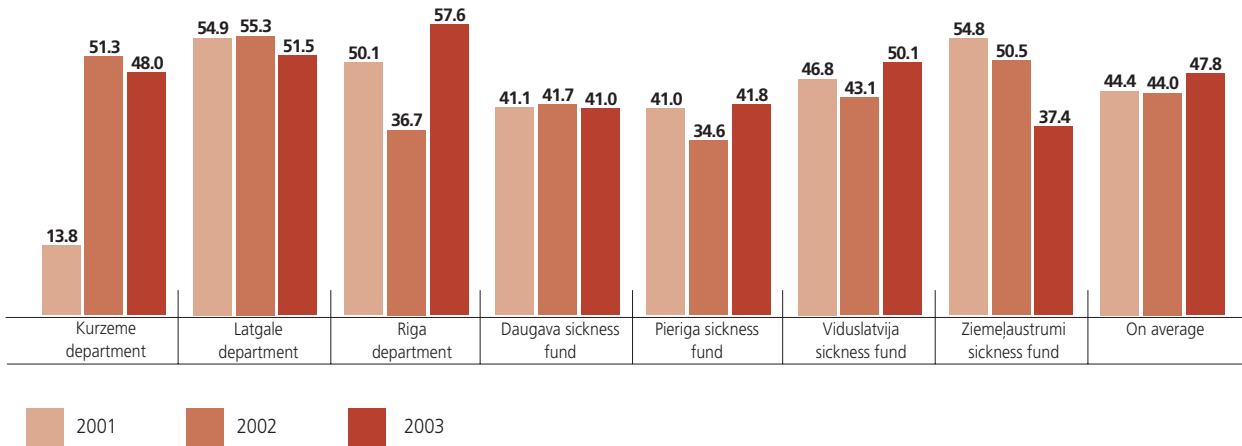
**Tabulation No 20 Expenditure for dentistry per treated child by sickness funds**

This graph shows the expenditure per treated child in Lats a year. The showings were calculated applying the dentistry care data basis and data of the register for sickness fund participants. In 2003 the expenditure for treated child is LVL 13,31, that is LVL 2,32 more than in 2002.



**Tabulation No 21. Containment of children dentistry by sickness funds**

This graph shows the proportion of children up to 18 received dentistry services and the dynamics of this showing during the last three years. The showings were calculated applying the dentistry care data basis and data of the register for sickness fund participants. In 2003 in Latvia on average 47,8% of children have received services of dentistry and it is 3,8% more than in 2002.



# Showings on medical assistance rendered by in-patient institutions

Showings on medical assistance rendered by in-patient institutions by profiles of diseases (excluding hospitals under reprofiling)

Code	Profile of disease	Number of patients	Number of bed days	Medium duration of treatment	Costs, %			Patient payments (%)	Total costs, %
					bed-days	manipulations	Total		
03	Cardiology	38 319	344 894	9,0	63,6	27,5	91,1	8,9	100,0
05	Gastroenterology	11 234	68 766	6,1	52,2	23,1	75,2	24,8	100,0
11	Endocrinology	7 178	64 065	8,9	64,2	21,7	85,9	14,1	100,0
13	Infections	11 938	85 701	7,2	69,3	19,3	88,5	11,5	100,0
15	Haematology	1 182	11 518	9,7	56,8	22,0	78,9	21,2	100,0
17	Nephrology	4 357	38 023	8,7	53,8	28,3	82,0	18,0	100,0
20	Surgery	22 627	171 149	7,6	48,4	25,0	73,4	26,6	100,0
28	Traumatology	36 411	290 401	8,0	38,1	38,1	76,2	23,8	100,0
30	Burns	1 472	18 487	12,6	75,0	15,5	90,5	9,6	100,0
34	Urology	8 633	54 782	6,3	50,1	29,6	79,8	20,2	100,0
36	Stomatology	870	5 294	6,1	45,4	41,5	86,9	13,3	100,0
38	Oncology	29 702	280 619	9,4	58,4	39,4	97,8	2,2	100,0
40	Birth/delivery	17 437	94 953	5,4	48,4	22,4	70,8	29,2	100,0
41	Pregnancy complications	8 668	71 818	8,3	73,2	5,5	78,7	21,3	100,0
42	Gynaecology	15 377	63 816	4,2	33,4	36,3	69,7	30,3	100,0
48	Neurology	36 946	383 978	10,4	58,9	24,8	83,7	16,3	100,0
52	Ophthalmology	4 327	28 645	6,6	52,8	24,4	77,2	22,8	100,0
54	Otorinolaringology	13 621	73 477	5,4	67,2	20,4	87,6	12,4	100,0
56	Venerology	318	5 158	16,2	81,9	3,6	85,5	14,9	100,0
59	Pediatry somatic, premature delivered infants	12 996	95 151	7,3	88,6	8,1	96,7	3,4	100,0
63	Pulmonology	18 857	197 486	10,5	74,1	10,4	84,6	15,5	100,0
67	Dermatology	7 087	60 466	8,5	70,1	12,8	82,9	17,1	100,0
70	Vasology	9 197	94 339	10,3	47,9	34,1	81,9	18,1	100,0
74	Rheumatology	7 183	74 914	10,4	64,6	15,8	80,4	19,6	100,0
		<b>325 937</b>	<b>2677 900</b>	<b>8,2</b>	<b>56,5</b>	<b>26,9</b>	<b>83,3</b>	<b>16,7</b>	<b>100,0</b>
	<b>TOTAL</b>								
						<b>On average</b>			

The tabulations dont provide data on health care services rendered by daytime in-patient institutions.

In 2003 comparing with 2002 the medium treatment duration hasnt essentially changed, except venereology profile, where the average treatment duration has increased for 1,7 days. Each profile of disease has a number of patients and bed-days and transcript of costs as per cent of bed-days, manipulations and calculated patient payments..

### Showings of work carried out by in-patient institutions by IDC-10 groups of diagnoses

Groups of diagnosis according to ICD-10	Code	Number of patients	Number of bed-days	Medium duration of treatment	Costs,%			Patient payments, %	Total costs, %
					bed-day	manipulations	Total		
Certain infectious and parasitic diseases	A00-B99	18 634	387 288	20,8	82,1	11,5	93,7	6,3	100,0
Tumours/neoplasms	C00-D48	31 331	291 055	9,3	57,6	39,1	96,8	3,2	100,0
Diseases of the blood and blood-forming organs and certain disorders of immune system	D50-D89	1 488	14 516	9,8	61,6	25,1	86,8	13,2	100,0
Endocrine, nutritional and metabolic diseases	E00-E90	9 150	68 815	7,5	61,8	26,3	88,0	12,0	100,0
Mental and behavioural disorders	F00-F99	50 972	169 4925	33,3	94,2	1,1	95,3	4,7	100,0
Diseases of nervous system	G00-G99	15 035	142 720	9,5	67,4	19,8	87,2	12,8	100,0
Diseases of the eyes and their auxiliary organs	H00-H59	7 812	33 468	4,3	34,3	52,5	86,7	13,3	100,0
Diseases of the ear and mastoid process	H60-H95	2 157	15 999	7,4	71,0	21,8	92,8	7,2	100,0
Diseases of the circulatory system	I00-I99	71 037	688 298	9,7	61,4	28,9	90,3	9,7	100,0
Diseases of the respiratory system	J00-J99	44 294	366 381	8,3	78,2	12,5	90,6	9,4	100,0
Diseases of the digestive system	K00-K93	38 728	258 727	6,7	55,0	26,8	81,7	18,3	100,0
Diseases of the skin and subcutaneous tissue	L00-L99	7 795	62 326	8,0	73,3	13,7	87,0	13,0	100,0
Diseases of the muscles and connective tissue	M00-M99	26 267	279 896	10,7	61,4	24,0	85,4	14,6	100,0
Diseases of genitourinary system	N00-N99	38 541	176 913	4,6	38,7	42,4	81,0	19,0	100,0
Pregnancy, childbirth and m the puerperiu	O00-O99	34 707	195 387	5,6	59,7	23,3	83,0	17,0	100,0
Certain states of prenatal period	P00-P99	2 546	29 771	11,7	74,9	22,7	97,7	2,3	100,0
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99	3 616	25 221	7,0	58,8	38,0	96,8	3,2	100,0
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99	471	2 392	5,1	58,2	31,5	89,7	10,3	100,0
Injuries, poisoning and other external influence after-effects	S00-T98	45772	354725	7,7	45,8	39,0	84,8	15,2	100,0
Diagnosis is not specified or other diagnoses that is not mentioned above	—	7441	122469	16,5	68,0	18,9	86,9	13,1	100,0
		<b>457794</b>	<b>5211292</b>	<b>11,4</b>	<b>65,0</b>	<b>24,3</b>	<b>89,3</b>	<b>10,7</b>	<b>100,0</b>
		<b>Total</b>			<b>On average</b>				

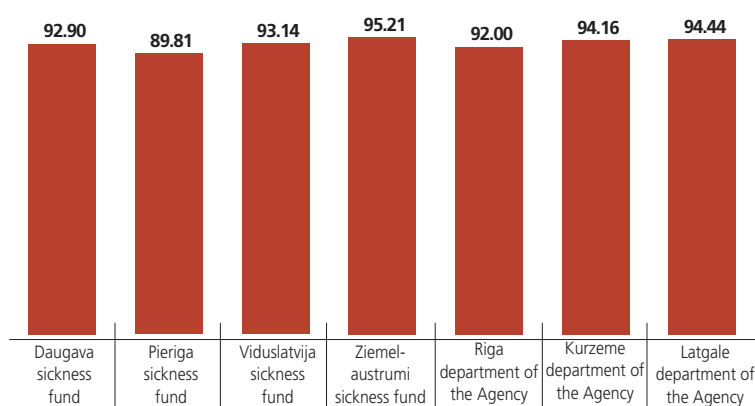
The tabulations dont provide data on health care services rendered by daytime in-patient institutions

Each diagnosis of IDC-10 group has a number of patients and bed-days and transcript of costs as per cent of bed-days, manipulations and calculated patient payments.

# Activity of the Register for sickness fund participants

Register for sickness fund participants is the data basis of sickness fund participants registered with sickness fund, which summarises information about every primary health care physician working in this system and sickness fund participants registered with him. The Register follows on patient flow and provides distribution of resources in accordance with the territory, where every inhabitant is registered. The Central base of the Register is located in the Agency and all determined demands on protection of data of physical persons refer to it. Medical institutions and practices of General practitioners according to their desire conclude contract on accession rights to data basis of their patients. Therefore, physicians can operatively follow up to the changes in the list of their patients.

## Number of participants registered with sickness funds, % (December 31<sup>st</sup>,2003)

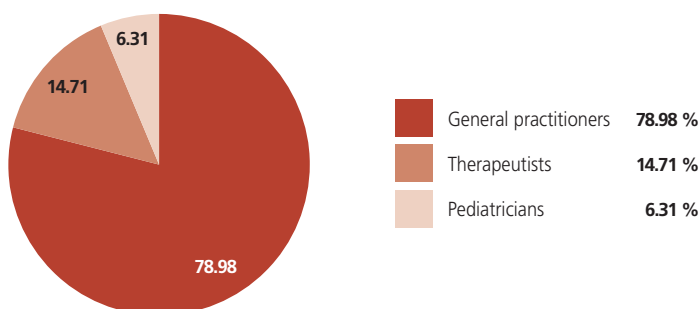


On the whole 93,06% of sickness fund participants are registered in the state.

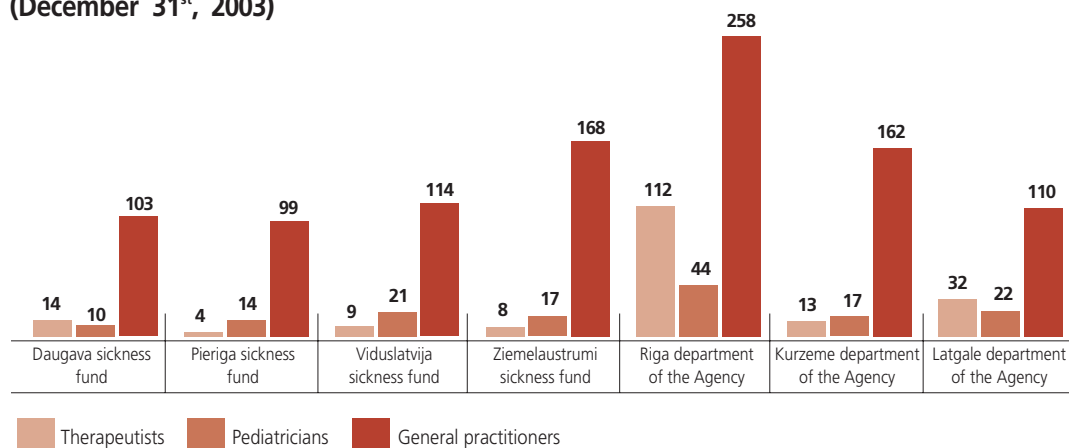
## Number of sickness fund participants per primary health care physicians by specialities (on average per physician) (December 31<sup>st</sup>, 2003)

	Daugava sickness fund	Pieriga sickness fund	Viduslatvija sickness fund	Ziemeļaustrumi sickness fund	The Agency:			Total
					Riga department	Kurzeme department	Latgale department	
Theraputists	14	4	9	8	112	13	32	<b>192</b>
Registered sickness fund participants	15 558	5 890	14 446	10 182	197 276	13 932	60 691	<b>317 975</b>
On average per physician	1 111	1 473	1 605	1 273	1 761	1 072	1 897	<b>1 656</b>
Pediatricians	10	14	21	17	44	17	22	<b>145</b>
Registered sickness fund participants	8 393	12 838	19 896	16 466	39 922	15 844	23 021	<b>136 380</b>
On average per physician	839	917	947	969	907	932	1 046	<b>941</b>
General practitioners	103	99	114	168	258	162	110	<b>1 014</b>
Registered sickness fund participants	160 795	162 740	198 641	276 320	440 879	265 882	201 659	<b>1 706 916</b>
On average per physician	1 561	1 644	1 742	1 645	1 709	1 641	1 833	<b>1 683</b>
On the whole	127	117	144	193	414	192	164	<b>1 351</b>
Registered sickness fund participants	184 746	181 468	232 983	302 968	678 077	295 658	285 371	<b>2 161 271</b>
On average per physician	1 455	1 551	1 618	1 570	1 638	1 540	1 740	<b>1 600</b>

### Number of sickness fund participants by specialities of primary health care physicians, %



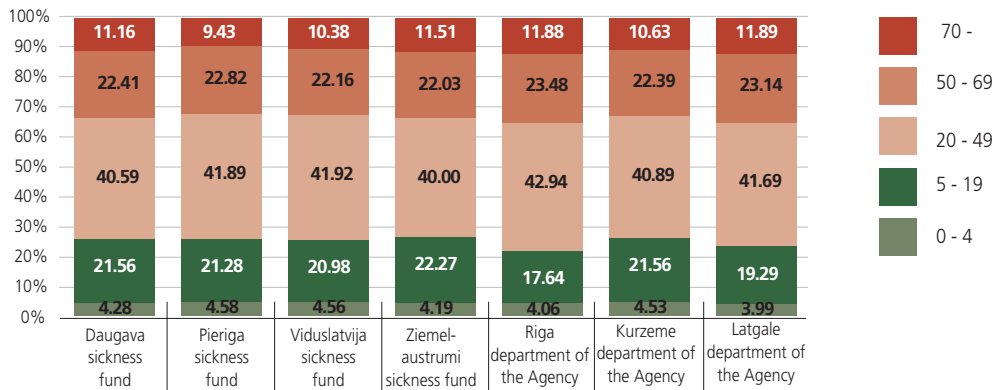
### Primary health care physicians by specialities (December 31<sup>st</sup>, 2003)



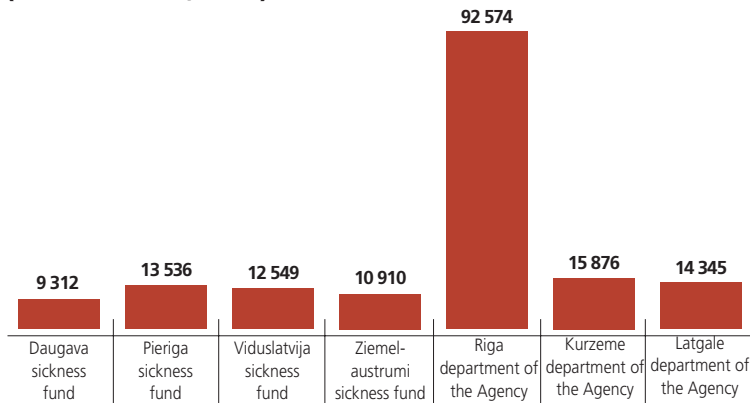
### Primary health care physicians by specialities ,% (December 31<sup>st</sup>, 2003.)

Region	Therapists	Pediatricians	General practitioners
Daugava sickness fund	11,02	7,87	81,11
Pieriga sickness fund	3,42	11,97	84,61
Viduslatvija sickness fund	6,25	14,58	79,17
Ziemeļaustrumi sickness fund	4,15	8,81	87,04
<b>The Agency:</b>			
Rīga department	27,05	10,63	62,32
Kurzeme department	6,77	8,85	84,38
Latgale department	19,51	13,41	67,08
<b>On the whole</b>	<b>14,21</b>	<b>10,73</b>	<b>75,06</b>

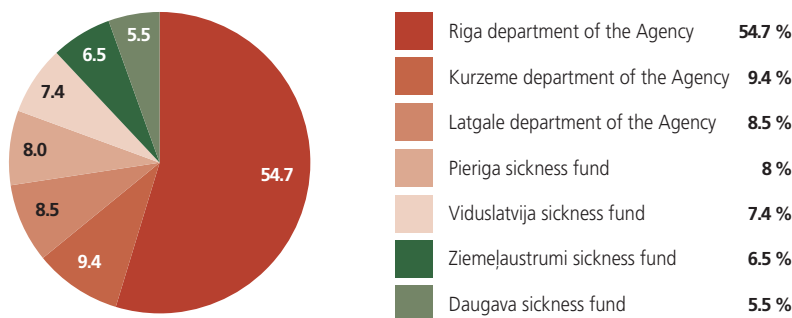
### Sickness fund participants registered by age, % (December 31<sup>st</sup>,2003.)



### Sickness fund participants registered by sickness funds (December 31<sup>st</sup>,2003.)



### Sickness fund participants registered by sickness funds, % (December 31<sup>st</sup>,2003.)



## Sources of information:

The Ministry of Health  
Health compulsory insurance state agency

- The non-profit association **Daugava sickness fund** Ltd.
  - The non-profit association **Pieriga sickness fund** Ltd.
  - The non-profit association **Viduslatvija sickness fund** Ltd
  - The non-profit association **Ziemelaustrumi sickness fund** Ltd
- 
- **Legislation and resolutions of the Cabinet of Ministers and the Ministry of Health**