

EDÍCIA ZDRAVOTNÍCKA ŠTATISTIKA

Vrodené chyby v SR 2007

Congenital defects
in SR 2007

Ročník 2008
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NÁRODNÉ
CENTRUM
ZDRAVOTNÍCKYCH
INFORMÁCIÍ

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Introduction

Hereby we submit the publication *Congenital Disorders in SR 2007*, which is published in edition of Health Statistics. This publication was released for the first time in 1965 in cooperation with IHIS Prague, which covered federal data divided in Czech and Slovak national data up to year 1992.

The basis for processing of statistical data contained in the first part of the publication is the Report on Congenital Disorder. The second part presents data processed from the National Registry of Patients with Congenital Heart Disorder.

Mandatory reporting of all groups of congenital diseases results from valid legal norms. Collection of reports and processing for SR is performed by the National Health Information Center (NHIC).

Reporting of congenital disorders has started in year 1964 at live-born children. In the period of 1964 – 1976 we observed 36 selected congenital disorders, which were surely possible to detect at newborns. In 1976 the number of monitored congenital disorders grew from 36 to 60. Based on requirements of WHO in 1991 the number of observed congenital disorders was enlarged by next 3 defects – thalassemia, phenylketonuria and cystic fibrosis. In 1994 the observing of congenital disorders was completed to all congenital disorders.

The obligatory reporting since 1994 is split in three groups of congenital disorders (CD):

1. CD of live-born children,
2. CD of stillborn children,
3. Prenatally detected CD, which were reason to legally induced abortions (LIA).

The report of congenital defects is submitted by health care facility – newborn ward, respectively newborn section and gynecological – obstetrical ward (if it is a legally induced abortion performed due to prenatal detected congenital defect).

The occurrence of congenital defects in population belongs to the most monitored indicators of health status of population. Several important factors in incidence of CD are reflecting genetic burdens, environmental changes, and level of health care. Therefore it is necessary to obtain the most accurate data about occurrence of CD in time sequence, as well as in territorial localization.

Data on reported CD are processed as aggregated (in spreadsheets of reported CD), and also separately for each single group (live-born children, stillborn children, LIA after prenatally detected CD).

Congenital heart disorders (CHD) belong to most frequent developmental anomalies. They form about one third of all congenital developmental anomalies. They occur at 0,8 – 1 % of newborns. They arise during intrauterine development, but clinically are manifested mostly only after delivery. The cause of CHD genesis is not exactly known and therefore also prevention is difficult. Multifactorial influences (heritable, environmental, diseases of mother and alike) are assumed. The severity of CHD depends on range of structural and functional damage of heart. They increased significantly the mortality of newborns and infants, and definitely handicapped the surviving individuals. With the recent development of surgical technique, and increasing level of health care a big part of children with CHD is saved. 450 to 500 children with CHD are born annually in Slovakia. $\frac{1}{4}$ does not need a surgical intervention, however $\frac{3}{4}$ are referred to surgical correction.

With the multifactorial genesis of CHDs the importance of epidemiological methods of observing is increasing. Complete data on occurrence of CHDs in Slovakia exist since 1992. Simultaneously with arise Cardiocentre for children, was established A database of patients with CHD was formed together with the establishment of Children Cardiocenter, from which a National Registry of Patients with CHD arised, operated by NCZI.

Registry is filled from four resources, which are: 1. reports from children cardiologists, 2. clinical documentation of Children Cardiocentre Bratislava, 3. database of hospitalized, and 4. Death certificates and Statistical death report.

Incidence of congenital disorders

Incidence of all CD in Slovakia is stabilized at the level 9,0 – 9,5/1 000 with inter-annual fluctuations around 0,8 %. It reflects the real occurrence of CD in Slovakia. Differences in occurrence between the periods 1998 – 2002 and 2003 – 2007 are not statistically important. Septal defects creating about 49 % of all anomalies. The biggest occurrence CD is Trenčín, Košice a Bratislava counties.

Specific infant mortality of children with CHD

While in years 1992 – 1993 from all of children born with CHD 15,4 % of children deceased till one year, in year 2006 it was 9,7 % of children. Specific infant mortality in the same year dropped from 1,7 % to 0,6 %.

Prevalence of patients with CHD

A total of 7 158 of children with CHD was in age group 0 to 15 upto 31. 12. 2007 in SR. It represents a prevalence of 77,4 of patients per 10 000 children of the given age group.

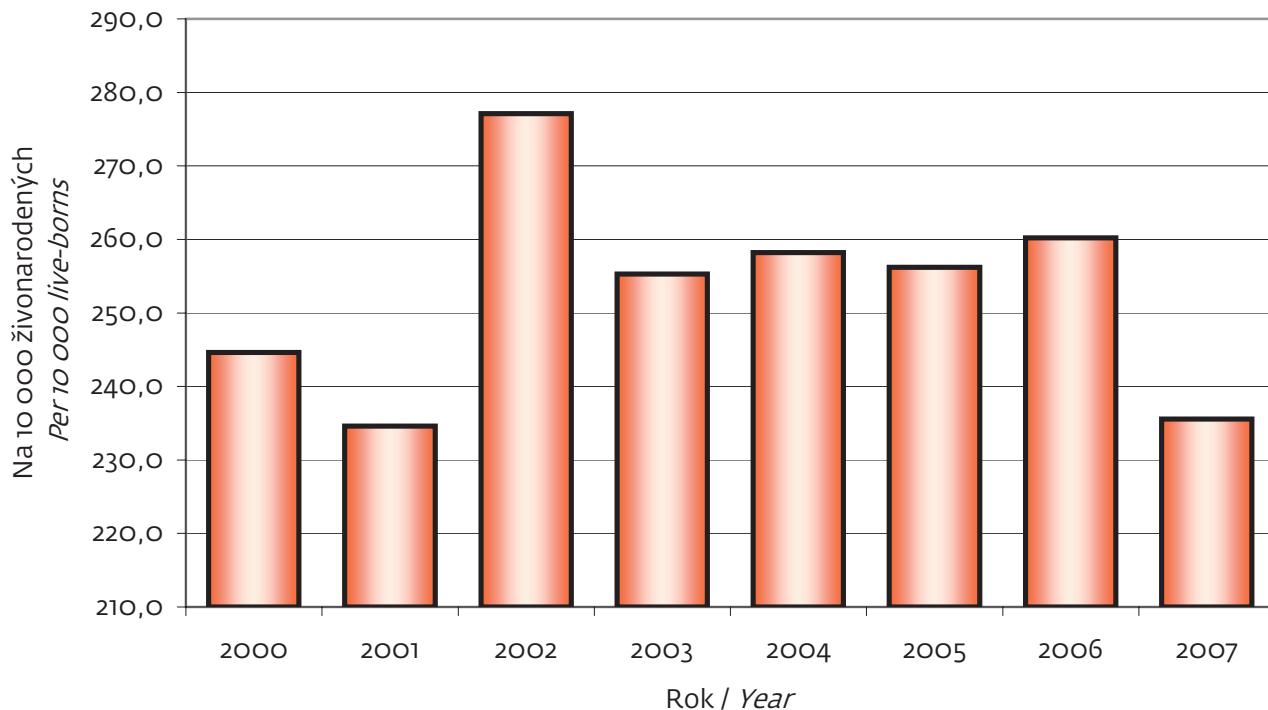
Selected epidemiological data processed via method of descriptive statistics and time rows are presented in relevant tables. The file is formed by the population of children born in years 1992 to 2007, where a CD was diagnosed clinicaly or post mortem.

Congenital defects in SR 2007

ŽIVONARODENÉ DETI S VRODENOU CHYBOU NA 10 000 ŽIVONARODENÝCH

LIVEBORN CHILDREN WITH CONGENITAL MALFORMATION ON 10 000 LIVE-BORN CHILDREN

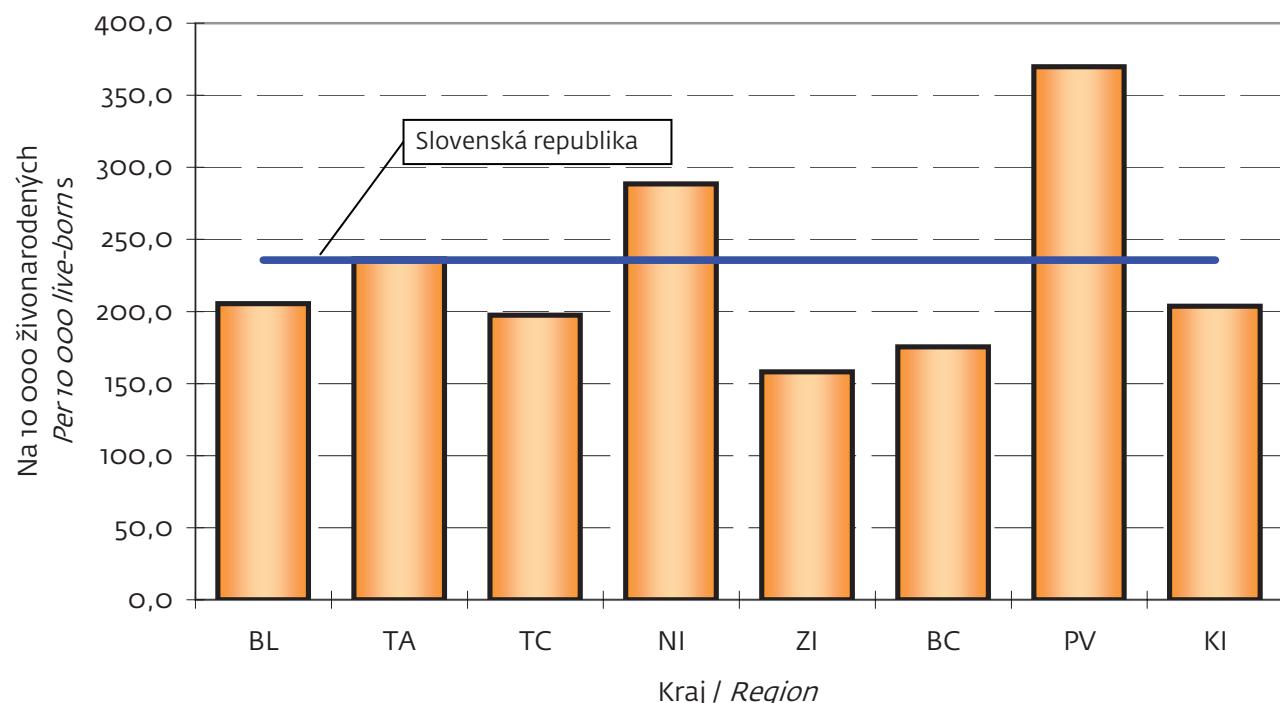
Graf 1.1



ŽIVONARODENÉ DETI S VRODENOU CHYBOU NA 10 000 ŽIVONARODENÝCH PODĽA ÚZEMIA TRVALÉHO BYDLISKA MATKY

LIVEBORN CHILDREN WITH CONGENITAL MALFORMATION ON 10 000 LIVE-BORN CHILDREN
BY TERRITORY OF MOTHER PERMANENT RESIDENCE

Graf 1.2



**VÝVOJ POČTU ŽIVONARODENÝCH DETÍ S VRODENOU CHYBOU NA 10 000 ŽIVONARODENÝCH
DETÍ PODĽA ÚZEMIA TRVALÉHO BYDLISKA MATKY V ROKOCH 2000 – 2007**

DEVELOPMENT OF NUMBER OF LIVE-BORN CHILDREN WITH A CONGENITAL DEFECT
ON 10 000 OF LIVE-BORNED CHILDREN ACCORDING TO A PERMANENT RESIDENCE
OF THE MOTHER IN YEARS 2000 – 2007

Tabuľka 1.1
1/2

Územie	Rok							
	2000	2001	2002	2003	2004	2005	2006	2007
Slovenská republika	244,6	234,6	277,1	255,3	258,2	256,2	260,2	235,6
Bratislavský kraj	204,3	124,6	186,4	170,6	203,9	239,1	238,4	205,5
Bratislava I	221,0	165,7	217,4	142,5	227,9	77,5	50,8	71,9
Bratislava II	213,7	146,2	143,0	141,8	294,4	170,3	261,4	162,0
Bratislava III	171,3	64,2	192,7	269,7	207,5	223,9	410,0	322,6
Bratislava IV	176,1	70,4	129,9	165,2	177,9	321,8	378,4	313,9
Bratislava V	228,9	156,6	199,3	163,6	98,1	371,2	169,7	101,4
Malacky	220,3	101,7	203,3	262,3	245,9	208,6	237,0	272,6
Pezinok	267,9	67,0	188,7	57,9	154,4	281,4	118,6	268,6
Senec	131,3	240,7	305,3	173,4	250,5	142,9	184,9	162,2
Trnavský kraj	294,8	250,7	367,2	274,7	272,6	309,0	329,0	236,5
Dunajská Streda	105,6	191,9	146,1	254,8	169,9	361,3	271,1	166,5
Galanta	575,4	310,7	729,2	304,1	97,3	175,7	610,5	514,1
Hlohovec	135,4	248,3	182,8	234,4	312,5	323,3	362,3	72,6
Piešťany	366,3	293,0	523,1	372,7	476,2	434,8	329,7	350,2
Senica	256,9	146,8	466,0	222,6	389,6	342,5	317,2	320,9
Skalica	321,8	275,9	182,8	133,9	334,8	230,9	114,4	117,1
Trnava	280,3	280,3	314,7	326,6	307,4	304,1	256,6	112,9
Trenčiansky kraj	221,4	228,7	271,3	288,7	288,7	150,4	217,9	197,5
Bánovce nad Bebravou	137,7	82,6	225,4	137,7	192,8	174,9	181,8	53,3
Ilava	210,5	210,5	87,0	467,7	356,3	140,6	291,7	313,7
Myjava	179,4	313,9	298,5	246,3	295,6	390,2	628,3	580,4
Nové Mesto nad Váhom	254,5	145,5	303,0	378,2	273,1	113,4	95,2	189,0
Partizánske	241,3	294,9	307,7	212,8	319,1	132,3	134,8	199,0
Považská Bystrica	281,9	381,4	309,5	405,9	184,5	198,9	284,2	203,0
Prievidza	229,1	268,6	291,9	278,6	297,8	101,4	130,4	157,5
Púchov	267,5	267,5	267,6	209,4	471,2	151,5	379,5	152,3
Trenčín	174,4	135,7	299,8	229,8	262,6	150,0	202,9	170,0
Nitriansky kraj	266,4	204,6	265,8	230,5	271,5	304,8	286,4	288,4
Komárno	577,3	348,6	520,3	522,0	707,7	506,6	573,6	497,9
Levice	247,0	173,8	196,3	153,4	235,2	373,1	278,6	212,8
Nitra	159,7	133,1	205,6	175,1	218,8	330,1	275,7	295,8
Nové Zámky	183,9	183,9	245,1	209,4	150,8	213,5	135,8	269,1
Šaľa	265,8	122,7	273,3	195,7	176,1	146,1	328,8	254,4
Topoľčany	247,3	340,0	272,0	185,2	185,2	281,0	286,6	110,8
Zlaté Moravce	296,3	172,8	178,6	144,5	202,3	30,9	53,9	356,1
Žilinský kraj	237,8	239,0	294,5	268,0	249,5	252,9	230,4	158,1
Bytča	246,6	164,4	376,8	246,9	246,9	393,9	340,9	147,5
Čadca	184,4	184,4	199,2	204,5	185,0	173,3	73,7	149,7
Dolný Kubín	110,4	176,6	146,0	287,1	95,7	280,4	25,0	96,9
Kysucké Nové Mesto	233,8	207,8	163,9	319,5	191,7	224,7	276,9	155,8
Liptovský Mikuláš	446,0	417,3	178,0	519,7	519,7	384,0	177,5	180,7
Martin	164,1	229,8	449,6	240,5	263,5	88,5	70,8	103,9
Námestovo	282,8	282,8	313,2	192,7	215,4	89,2	179,4	152,2

**VÝVOJ POČTU ŽIVONARODENÝCH DETÍ S VRODENOU CHYBOU NA 10 000 ŽIVONARODENÝCH
DETÍ PODĽA ÚZEMIA TRVALÉHO BYDLISKA MATKY V ROKOCH 2000 – 2007**

DEVELOPMENT OF NUMBER OF LIVE-BORN CHILDREN WITH A CONGENITAL DEFECT
ON 10 000 OF LIVE-BORNED CHILDREN ACCORDING TO A PERMANENT RESIDENCE
OF THE MOTHER IN YEARS 2000 – 2007

Tabuľka 1.1
2/2

Territory	Year							
	2000	2001	2002	2003	2004	2005	2006	2007
Ružomberok	191,4	207,3	275,7	304,1	250,4	148,3	235,5	177,6
Turčianske Teplice	243,9	243,9	80,0	–	75,2	230,8	80,6	80,6
Tvrdošín	86,2	194,0	313,9	138,6	254,0	176,6	285,0	222,2
Žilina	296,5	246,1	374,6	303,5	261,1	486,3	488,9	188,7
Banskobystrický kraj	209,5	182,8	198,8	169,8	150,0	164,1	163,6	175,5
Banská Bystrica	238,9	170,6	132,7	142,2	130,3	111,5	172,0	198,4
Banská Štiavnica	65,8	197,4	135,1	–	246,9	180,7	182,9	289,0
Brezno	155,8	93,5	183,6	50,5	151,5	145,9	150,6	150,0
Detva	102,4	136,5	147,1	109,9	219,8	166,1	68,3	73,3
Krupina	301,9	226,4	186,9	483,9	161,3	285,7	172,4	265,5
Lučenec	224,4	238,4	230,9	206,6	13,8	167,5	161,7	154,5
Poltár	300,4	214,6	257,7	48,3	–	103,6	47,2	106,4
Revúca	368,7	276,5	204,9	156,3	290,2	167,0	176,5	418,4
Rimavská Sobota	268,8	247,3	320,9	240,0	270,2	314,4	210,6	130,4
Veľký Krtíš	200,9	178,6	128,9	189,7	189,7	68,2	183,7	186,7
Zvolen	193,2	161,0	170,6	128,7	55,1	78,9	153,6	159,7
Žarnovica	0,0	141,8	164,6	316,7	135,7	211,0	172,4	128,8
Žiar nad Hronom	109,9	65,9	165,7	116,6	69,9	93,5	145,3	69,1
Prešovský kraj	286,0	331,9	370,3	363,0	337,5	356,6	353,1	369,9
Bardejov	191,7	170,4	102,4	169,9	124,6	89,3	249,7	193,2
Humenné	242,2	313,4	319,3	372,8	145,9	320,9	316,1	404,2
Kežmarok	296,6	370,7	453,2	352,3	322,9	387,5	333,6	205,4
Levoča	288,9	400,0	220,0	300,8	451,1	572,8	451,1	482,6
Medzilaborce	270,3	180,2	610,7	608,7	87,0	307,7	168,1	200,0
Poprad	248,1	355,7	349,6	301,3	470,8	369,7	370,1	452,6
Prešov	235,5	291,9	257,1	277,3	288,4	386,6	353,1	334,9
Sabinov	251,4	320,0	285,7	172,4	295,6	298,1	243,1	361,0
Snina	329,4	352,9	512,8	446,2	524,9	448,2	385,7	480,2
Stará Ľubovňa	476,2	568,8	740,2	662,0	507,0	535,2	595,9	607,4
Stropkov	259,3	481,5	447,8	436,7	218,3	297,0	279,1	277,8
Svidník	329,1	75,9	357,1	328,4	328,4	220,1	231,2	223,6
Vranov nad Topľou	388,5	370,0	570,6	645,8	455,8	368,0	424,5	493,1
Košický kraj	221,4	232,3	226,5	226,0	253,1	225,3	234,2	203,7
Gelnica	223,9	298,5	392,7	495,0	396,0	277,1	316,6	189,6
Košice I	159,4	275,4	62,4	175,4	190,1	224,4	147,5	179,4
Košice II	121,4	279,1	155,4	159,5	147,2	144,2	142,2	207,4
Košice III	197,4	164,5	198,0	222,9	286,6	220,8	261,4	292,2
Košice IV	142,1	142,1	172,1	270,7	304,6	278,7	383,9	118,0
Košice-okolie	164,0	164,0	181,2	206,5	220,2	221,8	230,2	112,4
Michalovce	319,8	225,3	260,6	185,8	323,1	167,3	226,9	216,9
Rožňava	266,3	239,7	446,4	401,3	288,9	476,9	430,3	315,3
Sobrance	114,5	114,5	177,0	148,5	198,0	372,1	406,5	206,2
Spišská Nová Ves	313,3	313,3	259,2	256,8	264,8	145,1	201,0	319,1
Trebišov	224,9	241,0	208,7	148,3	226,4	240,3	160,9	146,1

HLÁSENÉ VRODENÉ CHYBY PODĽA ÚZEMIA TRVALÉHO BYDLISKA MATKY

**REPORTED CONGENITAL DEFECTS ACCORDING TO TERRITORIES
OF PERMANENT RESIDENCE OF THE MOTHER**

Tabuľka 1.2
1/2

Územie	Spolu	v tom		
		živonarodené deti	mŕtvonarodené deti	UPT z dôvodu prenatálne zistenej vrodenej chyby plodu
Slovenská republika	1 322	1 282	12	28
Bratislavský kraj	130	130	—	—
Bratislava I	3	3	—	—
Bratislava II	19	19	—	—
Bratislava III	20	20	—	—
Bratislava IV	29	29	—	—
Bratislava V	12	12	—	—
Malacky	19	19	—	—
Pezinok	17	17	—	—
Senec	11	11	—	—
Trnavský kraj	120	116	2	2
Dunajská Streda	18	17	1	—
Galanta	43	42	1	—
Hlohovec	3	3	—	—
Piešťany	18	18	—	—
Senica	18	18	—	—
Skalica	7	5	—	2
Trnava	13	13	—	—
Trenčiansky kraj	109	103	2	4
Bánovce nad Bebravou	3	2	—	1
Ilava	19	17	—	2
Myjava	14	13	1	—
Nové Mesto nad Váhom	10	10	—	—
Partizánske	8	8	—	—
Považská Bystrica	11	11	—	—
Prievidza	20	19	1	—
Púchov	7	6	—	1
Trenčín	17	17	—	—
Nitriansky kraj	181	175	1	5
Komárno	47	47	—	—
Levice	24	22	—	2
Nitra	43	42	1	—
Nové Zámky	35	32	—	3
Šaľa	13	13	—	—
Topoľčany	7	7	—	—
Zlaté Moravce	12	12	—	—
Žilinský kraj	111	111	—	—
Bytča	5	5	—	—
Čadca	14	14	—	—
Dolný Kubín	4	4	—	—
Kysucké Nové Mesto	5	5	—	—
Liptovský Mikuláš	12	12	—	—
Martin	9	9	—	—
Námestovo	13	13	—	—

HLÁSENÉ VRODENÉ CHYBY PODĽA ÚZEMIA TRVALÉHO BYDLISKA MATKY

**REPORTED CONGENITAL DEFECTS ACCORDING TO TERRITORIES
OF PERMANENT RESIDENCE OF THE MOTHER**

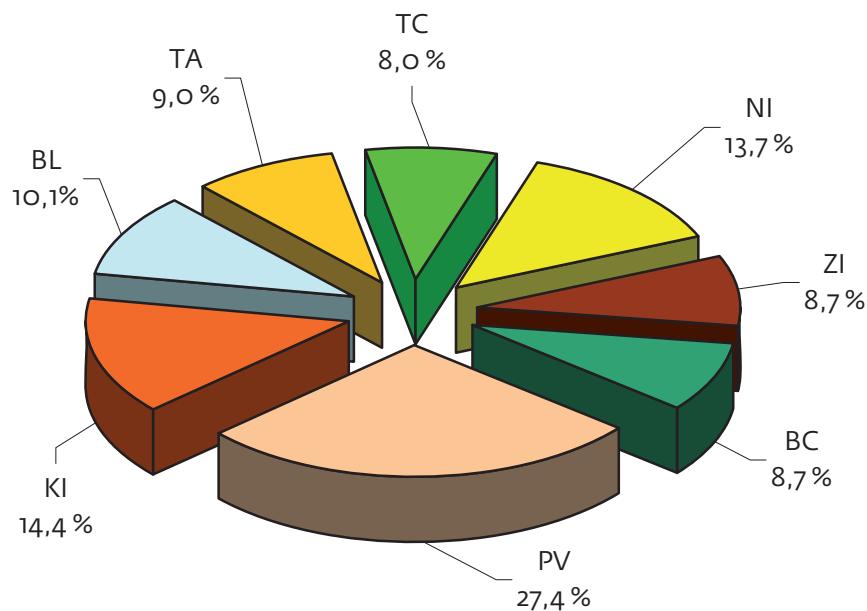
Tabuľka 1.2
2/2

Territory	Total	included		
		live-born children	stillborn children	LIA from a reason of prenatally detected congenital defect of foetus
Ružomberok	10	10	—	—
Turčianske Teplice	1	1	—	—
Tvrdosín	9	9	—	—
Žilina	29	29	—	—
Banskobystrický kraj	115	111	1	3
Banská Bystrica	20	20	—	—
Banská Štiavnica	5	5	—	—
Brezno	9	9	—	—
Detva	2	2	—	—
Krupina	6	6	—	—
Lučenec	11	11	—	—
Poltár	2	2	—	—
Revúca	20	20	—	—
Rimavská Sobota	15	13	1	1
Veľký Krtíš	7	7	—	—
Zvolen	10	10	—	—
Žarnovica	3	3	—	—
Žiar nad Hronom	5	3	—	2
Prešovský kraj	362	351	3	8
Bardejov	17	17	—	—
Humenné	27	27	—	—
Kežmarok	22	22	—	—
Levoča	18	18	—	—
Medzilaborce	2	2	—	—
Poprad	52	52	—	—
Prešov	66	63	1	2
Sabinov	31	30	—	1
Snina	18	17	—	1
Stará Ľubovňa	44	41	2	1
Stropkov	6	5	—	1
Svidník	7	7	—	—
Vranov nad Topľou	52	50	—	2
Košický kraj	194	185	3	6
Gelnica	10	8	1	1
Košice I	11	11	—	—
Košice II	20	19	—	1
Košice III	9	9	—	—
Košice IV	7	7	—	—
Košice-okolie	17	17	—	—
Michalovce	29	27	2	—
Rožňava	21	21	—	—
Sobrance	4	4	—	—
Spišská Nová Ves	48	44	—	4
Trebišov	18	18	—	—

ŽIVONARODENÉ DETI S VRODENOU CHYBOU PODĽA TRVALÉHO BYDLISKA MATKY

LIVE-BORN CHILDREN WITH A CONGENITAL MALFORMATION ACCORDING
TO PERMANENT RESIDENCE OF THE MOTHER

Graf 1.3

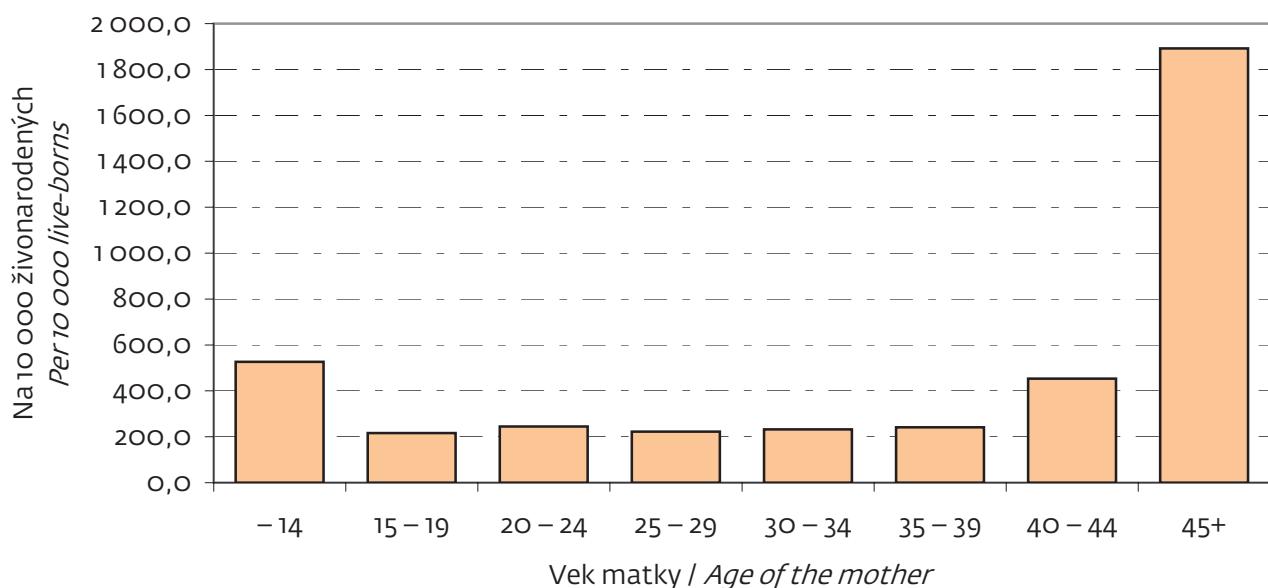


ŽIVONARODENÉ DETI S VRODENOU CHYBOU

NA 10 000 ŽIVONARODENÝCH DETÍ PODĽA VEKU MATKY

LIVE-BORN CHILDREN WITH A CONGENITAL MALFORMATION
ON 10 000 LIVE-BORN CHILDREN ACCORDING TO AGE OF THE MOTHER

Graf 1.4

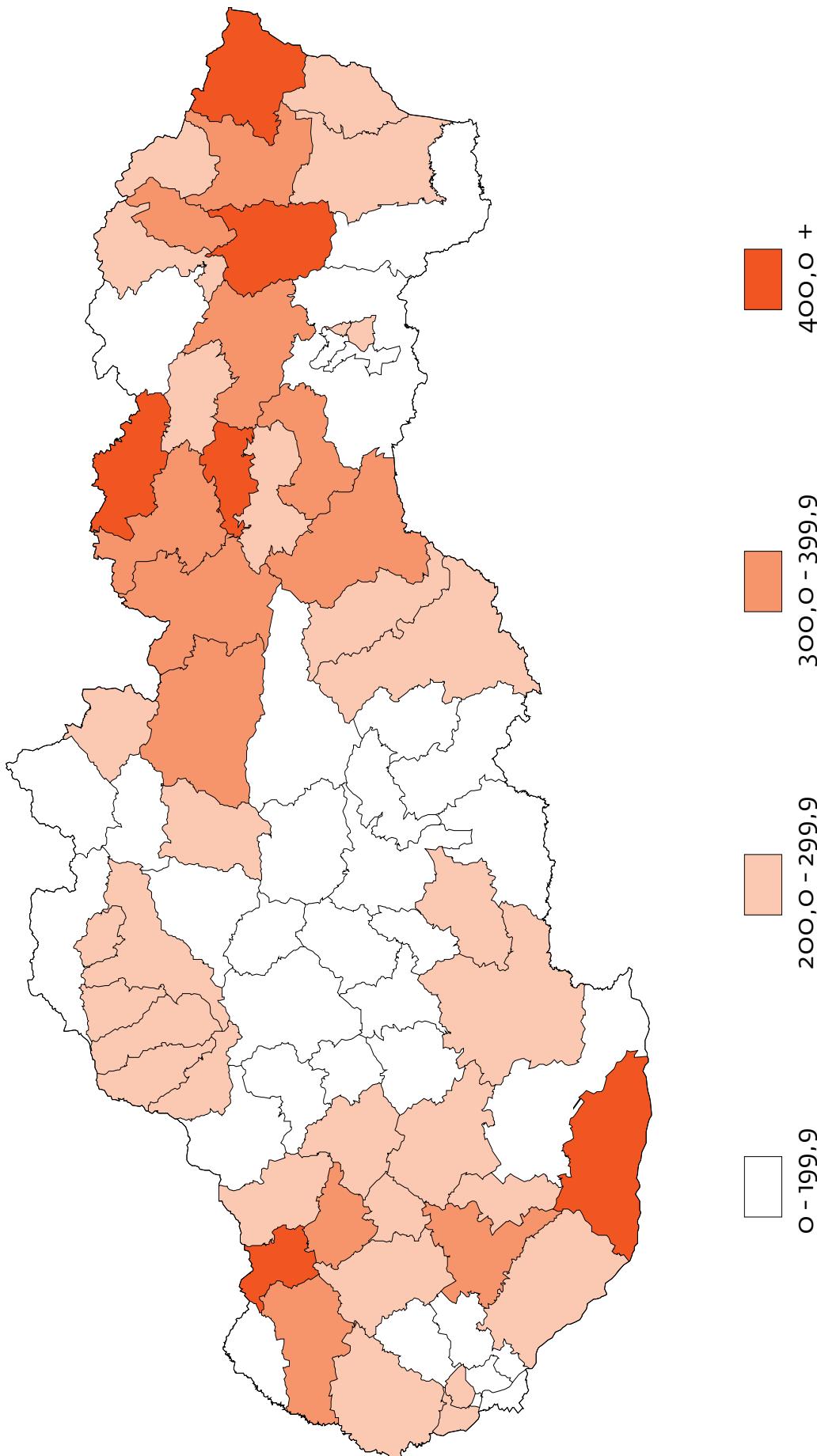


Congenital defects in SR 2007

PRIEMERNÝ POČET ŽIVONARODENÝCH DETÍ S VRÓDENOU CHYBOU NA 10 000 ŽIVONARODENÝCH DETÍ ZA OBDOBIE 2000 – 2007

AVERAGE OF LIVE-BORN CHILDREN WITH A CONGENITAL MALFORMATION ON 10 000 LIVE-BORN CHILDREN IN PERIOD 2000 – 2007

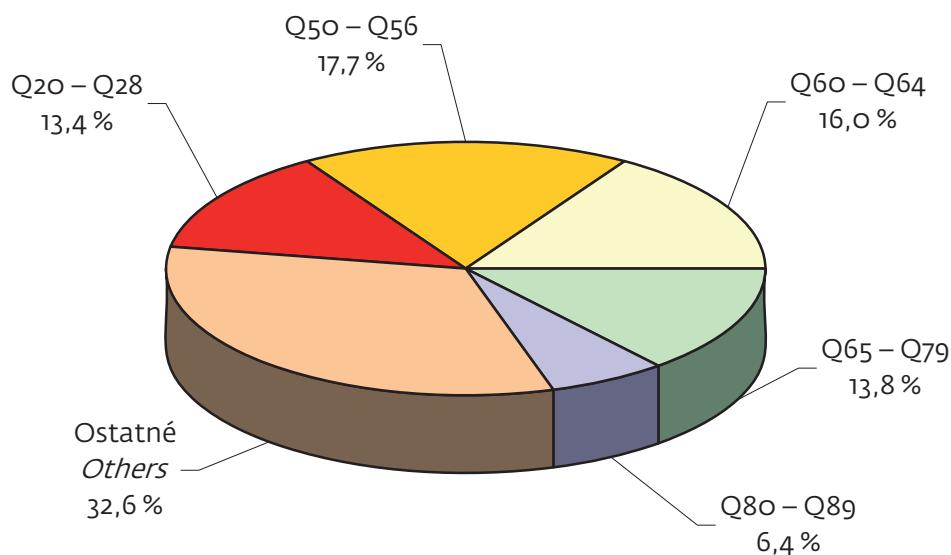
Mapa 1.1



ŠTRUKTÚRA VRODENÝCH CHÝB U ŽIVONARODENÝCH CHLAPCOV

STRUCTURE OF CONGENITAL MALFORMATIONS BY LIVE-BORN BOYS

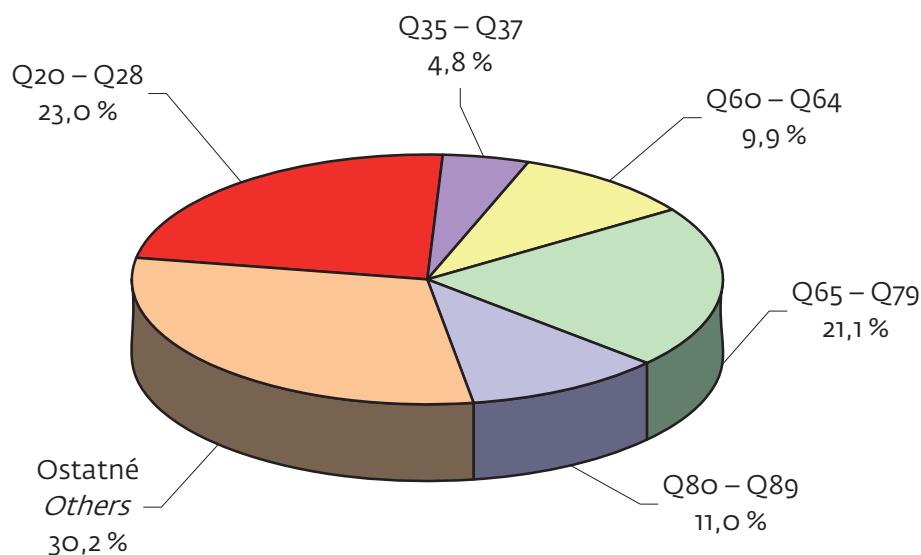
Graf 1.5



ŠTRUKTÚRA VRODENÝCH CHÝB U ŽIVONARODENÝCH DIEVČAT

STRUCTURE OF CONGENITAL MALFORMATIONS BY LIVE-BORN GIRLS

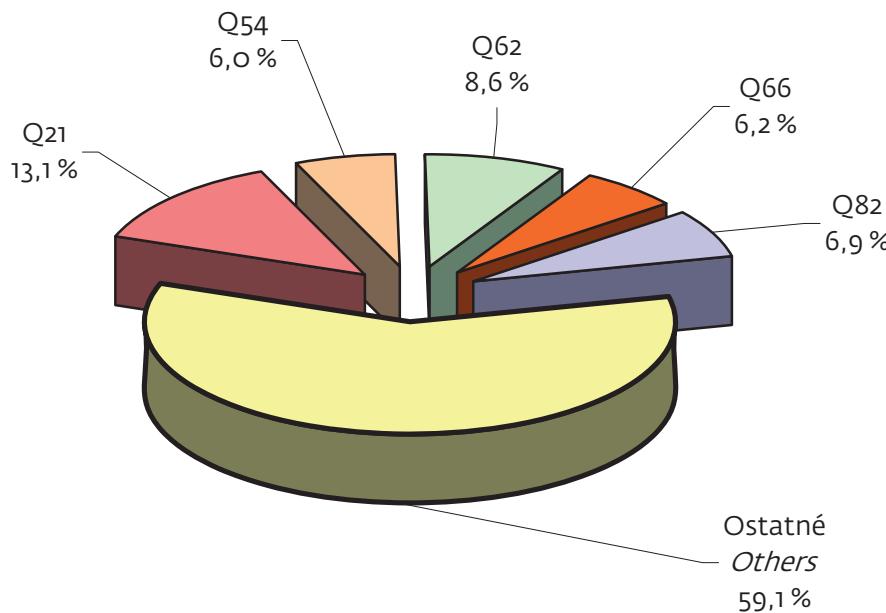
Graf 1.6



PODIEL NAJPOČETNEJŠÍCH DIAGNÓZ VRODENÝCH CHÝB ŽIVONARODENÝCH V SR

PROPORTION OF MOST FREQUENT DIAGNOSES OF CONGENITAL DISORDERS OF LIVE-BORN IN SR

Graf 1.7



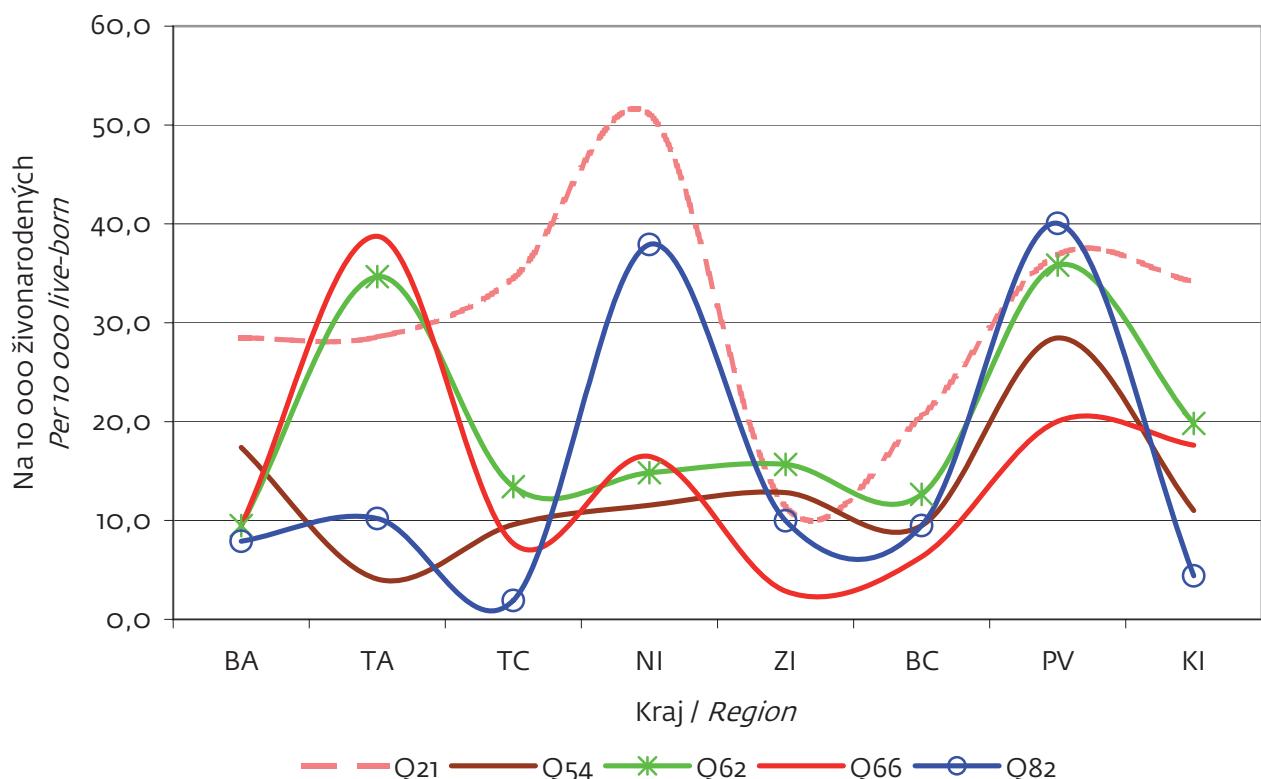
Poznámka: Podiel je vypočítaný z údajov prepočítaných na 10 000 živonarodených detí.

Notice: Ratio is calculated from data per 10 000 live-born children.

NAJPOČETNEJŠIE DIAGNÓZY VRODENÝCH CHÝB U ŽIVONARODENÝCH PODĽA KRAJOV SR

MOST NUMEROUS DIAGNOSES OF CONGENITAL DISORDERS AT LIVE-BORNS BY COUNTIES OF SR

Graf 1.8



HLÁSENÁ INCIDENCIA VRODENÝCH CHÝB SRDCA ZA ROKY 1998 – 2002 SPOLU

REPORTED INCIDENCE OF CONGENITAL HEART DISEASES IN PERIOD OF 1998 – 2002 TOTAL

Tabuľka 2.1

Diagnóza podľa MKCH-10 <i>Diagnosis ICD-10</i>	Počet prípadov <i>Number of cases</i>	Miera incidencie <i>Incidence rate</i>	95 %-ný interval spoľahlivosti 95 % CI	
			od since	do up to
Spolu / Total Q20 – Q28	2 722	10,05	9,67	10,42
Q20	176	0,65	0,55	0,75
Q21	1 796	6,63	6,32	6,93
Q22	117	0,43	0,35	0,51
Q23	190	0,70	0,60	0,80
Q24	85	0,31	0,25	0,38
Q25	321	1,18	1,06	1,31
Q26	30	0,11	0,07	0,15
Q27	3	0,01	0,00	0,02
Q28	4	0,01	0,00	0,03

Miera incidencie – počet prípadov na 1 000 živonarodených / Incidence rate – number of cases per 1 000 live-borns

HLÁSENÁ INCIDENCIA VRODENÝCH CHÝB SRDCA ZA ROKY 2003 – 2007 SPOLU

REPORTED INCIDENCE OF CONGENITAL HEART DISEASES IN PERIOD OF 2003 – 2007 TOTAL

Tabuľka 2.2

Diagnóza podľa MKCH-10 <i>Diagnosis ICD-10</i>	Počet prípadov <i>Number of cases</i>	Miera incidencie <i>Incidence rate</i>	95 %-ný interval spoľahlivosti 95 % CI	
			od since	do up to
Spolu / Total Q20 – Q28	2 436	9,08	8,72	9,44
Q20	167	0,62	0,53	0,72
Q21	1 619	6,04	5,74	6,33
Q22	105	0,39	0,32	0,47
Q23	124	0,46	0,38	0,54
Q24	57	0,21	0,16	0,27
Q25	332	1,24	1,10	1,37
Q26	19	0,07	0,04	0,10
Q27	7	0,03	0,01	0,05
Q28	6	0,02	0,00	0,04

Miera incidencie – počet prípadov na 1 000 živonarodených / Incidence rate – number of cases per 1 000 live-borns

HLÁSENÁ INCIDENCIA VRODENÝCH CHÝB SRDCA S DIAGNÓZOU Q20 – Q28

REPORTED INCIDENCE OF CONGENITAL HEART DISORDERS WITH DIAGNOSIS Q20 – Q28

Tabuľka 2.3

Rok Year	Počet prípadov – incidencia Number of cases – incidence	Miera incidencie Incidence rate	95 %-ný interval spoľahlivosti 95 % CI	
			od since	do up to
1992	669	9,0	8,29	9,64
1993	620	8,5	7,80	9,13
1994	579	8,7	8,02	9,43
1995	543	8,8	8,10	9,58
1996	465	7,7	7,03	8,43
1997	542	9,2	8,40	9,94
1998	592	10,3	9,46	11,10
1999	447	8,0	7,22	8,68
2000	515	9,3	8,54	10,14
2001	675	13,2	12,21	14,19
2002	503	9,9	9,03	10,75
2003	490	9,5	8,64	10,31
2004	501	9,3	8,51	10,13
2005	545	10,0	9,18	10,85
2006	494	9,2	8,36	9,97
2007 ¹⁾	437	8,0	7,28	8,78

Miera incidencie – počet prípadov na 1 000 živonarodených / Incidence rate – number of cases per 1 000 live-borns

¹⁾ Údaje za rok 2007 sú predbežné. / Data for 2007 are preliminary.

DOJČENSKÁ ÚMRTNOSŤ DETÍ S VCHS

INFANT MORTALITY OF CHILDREN WITH CONGENITAL HEART DISORDER

Tabuľka 2.4

Rok Year	Zomretí do 1 roka Died within 1 year age	DÚVCHS IMCHD	95 %-ný interval spoľahlivosti	
			od since	do up to
1992	107	1,42	1,15	1,69
1993	92	1,26	0,26	1,00
1994	95	1,43	0,29	1,14
1995	62	1,01	0,25	0,76
1996	54	0,90	0,24	0,66
1997	49	0,83	0,23	0,60
1998	42	0,73	0,22	0,51
1999	61	1,08	0,27	0,81
2000	39	0,71	0,22	0,49
2001	41	0,80	0,25	0,56
2002	43	0,85	0,25	0,59
2003	46	0,89	0,26	0,63
2004	48	0,89	0,25	0,64
2005	65	1,19	0,29	0,90
2006	48	0,89	0,25	0,64
2007 ¹⁾	15	0,28	0,14	0,14
1992 – 2007	907	0,97	0,06	0,91

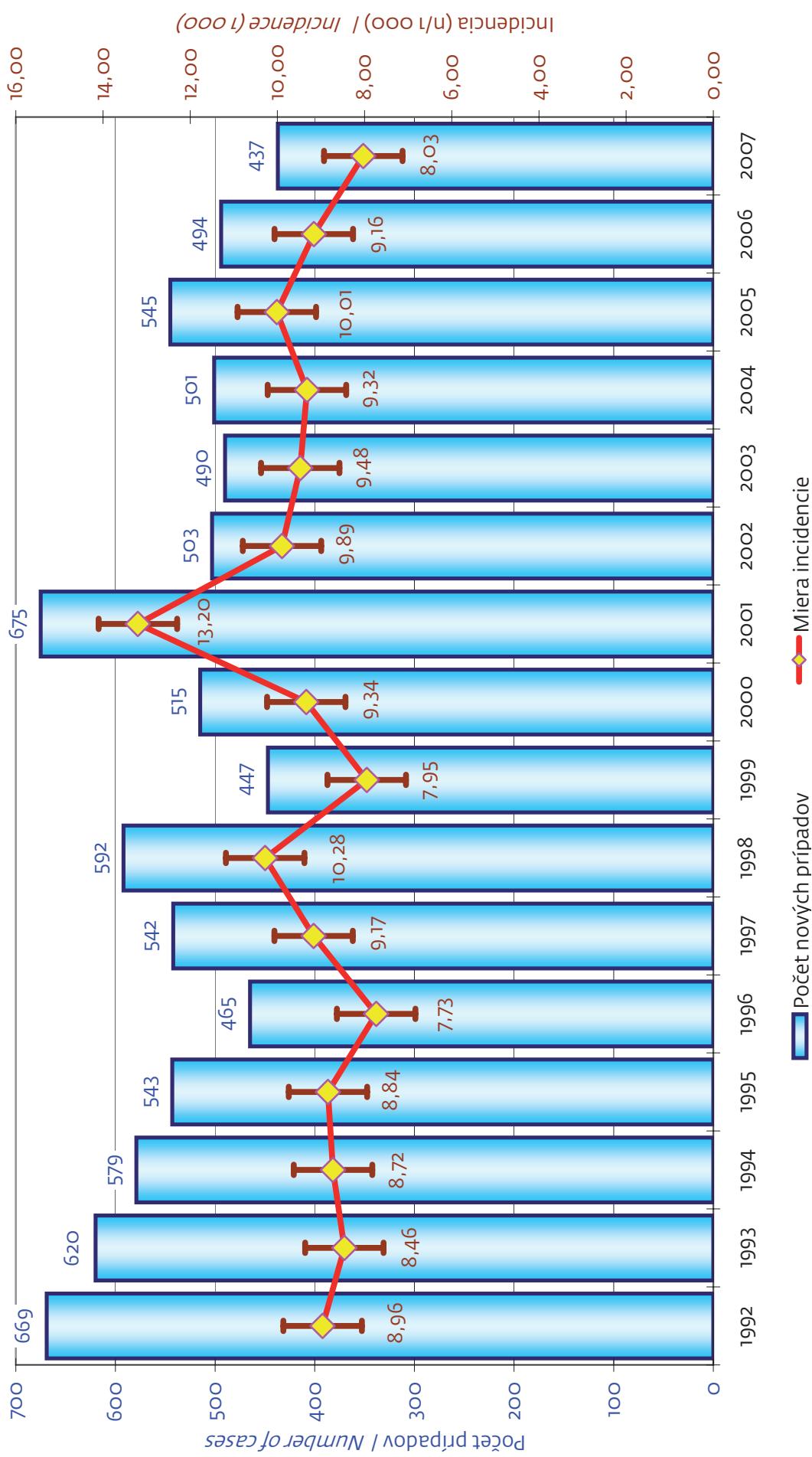
¹⁾ Údaje za rok 2007 sú predbežné. / Data for 2007 are preliminary.

Congenital defects in SR 2007

VCHS – VÝSKYT V ROKOCH 1992 – 2007 v SR

CONGENITAL HEART DISORDERS – INCIDENCE IN PERIOD OF 1992 - 2007

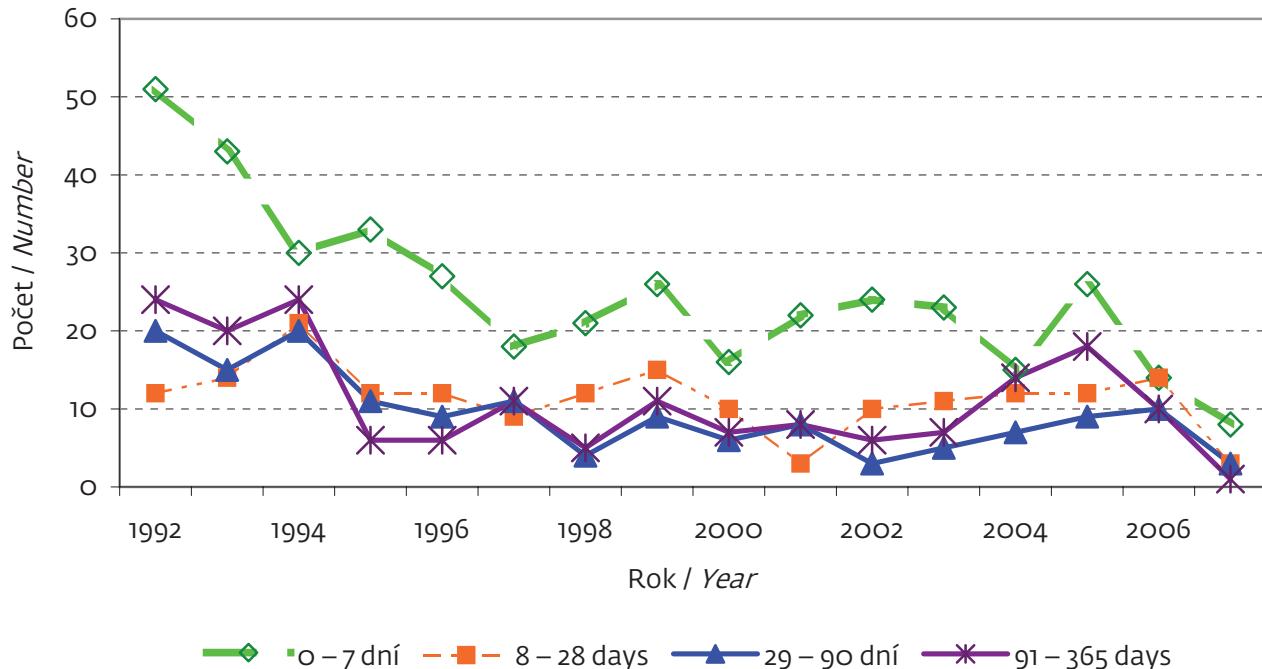
Graf 2.1



VÝVOJ DOJČENSKEJ ÚMRTNOSTI NA VRODENÉ CHYBY SRDCA S DIAGNÓZOU Q20 – Q28

EVOLUTION OF INFANT MORTALITY ON CONGENITAL HEART DISORDERS
WITH DIAGNOSIS Q20 – Q28

Graf 2.2



INCIDENCIA DOJČIAT NA VCHS 1998 – 2007

INCIDENCE OF INFANTS ON CONGENITAL HEART DISORDERS IN 1998 – 2007

Graf 2.3

