



# **HIV/AIDS infection in Romania**

## **30 June 2018**

**The data is collected from the HIV/AIDS confirmation charts, sent by the nine *Regional Centers for Evaluation and Monitoring of HIV/AIDS Data* and further processed by *Compartment for Monitoring and Evaluation of HIV/AIDS data in Romania*, in *National Institute for Infectious Diseases “Prof. Dr. Matei Bals”***

# Coordination of counties by the Regional HIV/AIDS Monitoring and Evaluation Centers in Romania

INBI "PROF.DR. MATEI BALȘ" Regional Centre	BUCHAREST
	ARGEȘ
	BUZĂU
	DAMBOVIȚA
	GALAȚI
	IALOMIȚA
	ILFOV
	PRAHOVA
	VÂLCEA
	VRANCEA

V. BABEȘ BUCUREȘTI Regional Centre	BRĂILA
	CĂLĂRAȘI
	GIURGIU
	TELEORMAN
	V.BABEȘ-BUCUREȘTI

BRAȘOV Regional Centre	BRAȘOV
	COVASNA
	HARGHITA

CLUJ Regional Centre	BIHOR
	CLUJ
	MARAMUREȘ
	SATU MARE
	SĂLAJ

CRAIOVA Regional Centre	DOLJ
	GORJ
	MEHEDINȚI
	OLT

CONSTANȚA Regional Centre	CONSTANȚA
	TULCEA

IAȘI Regional Centre	BACĂU
	BOTOȘANI
	IAȘI
	NEAMȚ
	SUCEAVA
	VASLUI

TÂRGU MUREȘ Regional Centre	ALBA
	BISTRIȚA NĂȘĂUD
	MUREȘ
	SIBIU

TIMIȘOARA Regional Centre	ARAD
	CARAȘ SEVERIN
	HUNEDOARA
	TIMIȘ

# UNAIDS objectives



## Fast-Track Targets

by 2020

**90-90-90**

Treatment

**500 000**

New infections among adults

**ZERO**

Discrimination

by 2030

**95-95-95**

Treatment

**200 000**

New infections among adults

**ZERO**

Discrimination

Source:

[http://www.unaids.org/sites/default/files/media\\_asset/JC2686\\_WAD2014report\\_en.pdf](http://www.unaids.org/sites/default/files/media_asset/JC2686_WAD2014report_en.pdf)

Ministry of Health, Romania  
National Institute for Infectious Diseases "PROF.DR.MATEI BALȘ"  
Compartment for Monitoring and Evaluation of HIV/AIDS Data in Romania  
General data at 30 June 2018

<b><i>TOTAL HIV/AIDS (CUMULATIVE 1985-2017) OF WHICH:</i></b>	<b>23.302</b>
<i>Total AIDS (Cumulative 1985-2018)</i>	<b>15.784</b>
<i>Total HIV (Cumulative 1992-2018)</i>	<b>7.518</b>
<i>Total no. of AIDS deaths (1985-2018)</i>	<b>739</b>
<i>Out of records HIV/AIDS children + adults</i>	<b>7.351</b>
<b><i>NUMBER OF PATIENTS LIVING WITH HIV/AIDS OF WHICH:</i></b>	<b>15.212</b>
<i>0-14 YEARS</i>	<b>190</b>
<i>15-19 YEARS</i>	<b>163</b>
<i>≥ 20 YEARS</i>	<b>14.859</b>
<b><i>New HIV/AIDS cases diagnosed in 2018</i></b>	<b>257</b>
<i>New HIV cases</i>	<b>142</b>
<i>New AIDS cases</i>	<b>115</b>
<b><i>HIV/AIDS related deaths, confirmed by medical charts in 2018</i></b>	<b>68</b>

# **New HIV/AIDS cases**

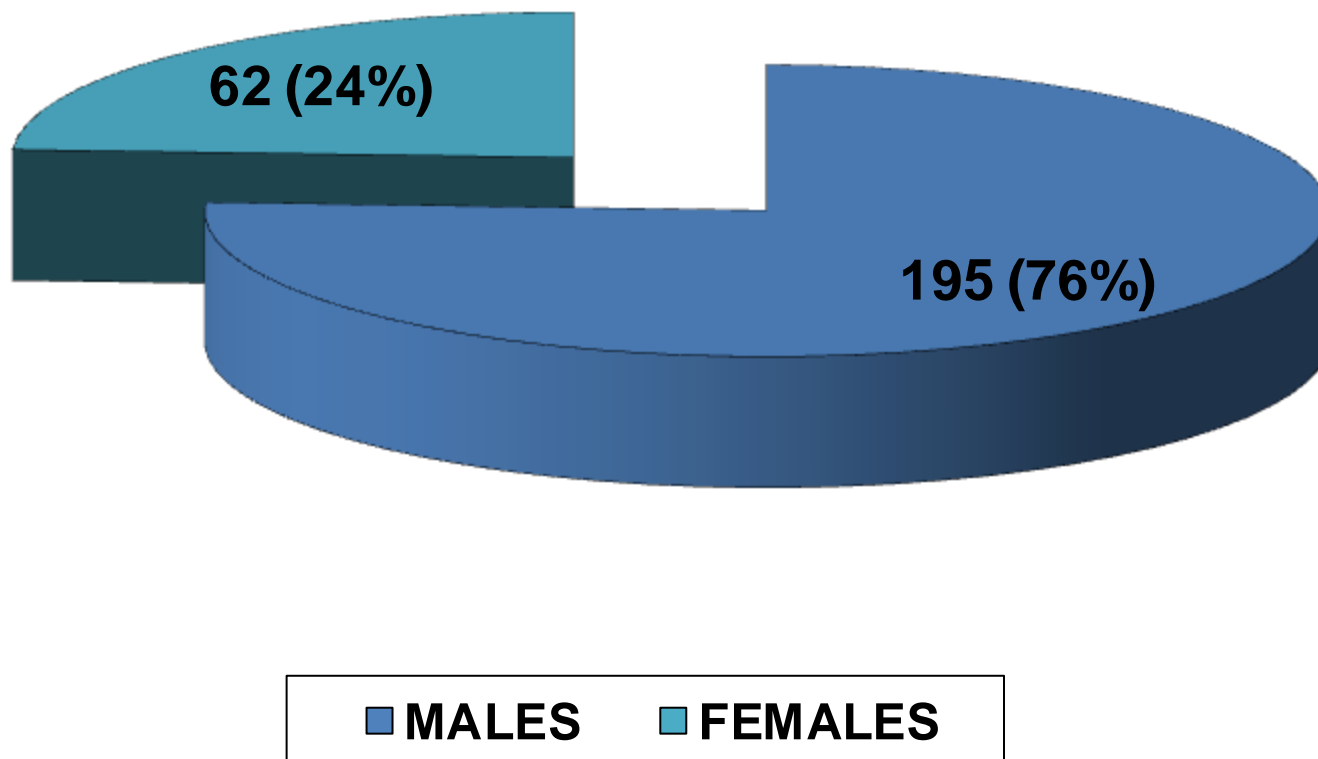
**1 January-30 June 2018**

# Distribution, by counties of new HIV/AIDS cases detected between 01.01 – 30.06.2018





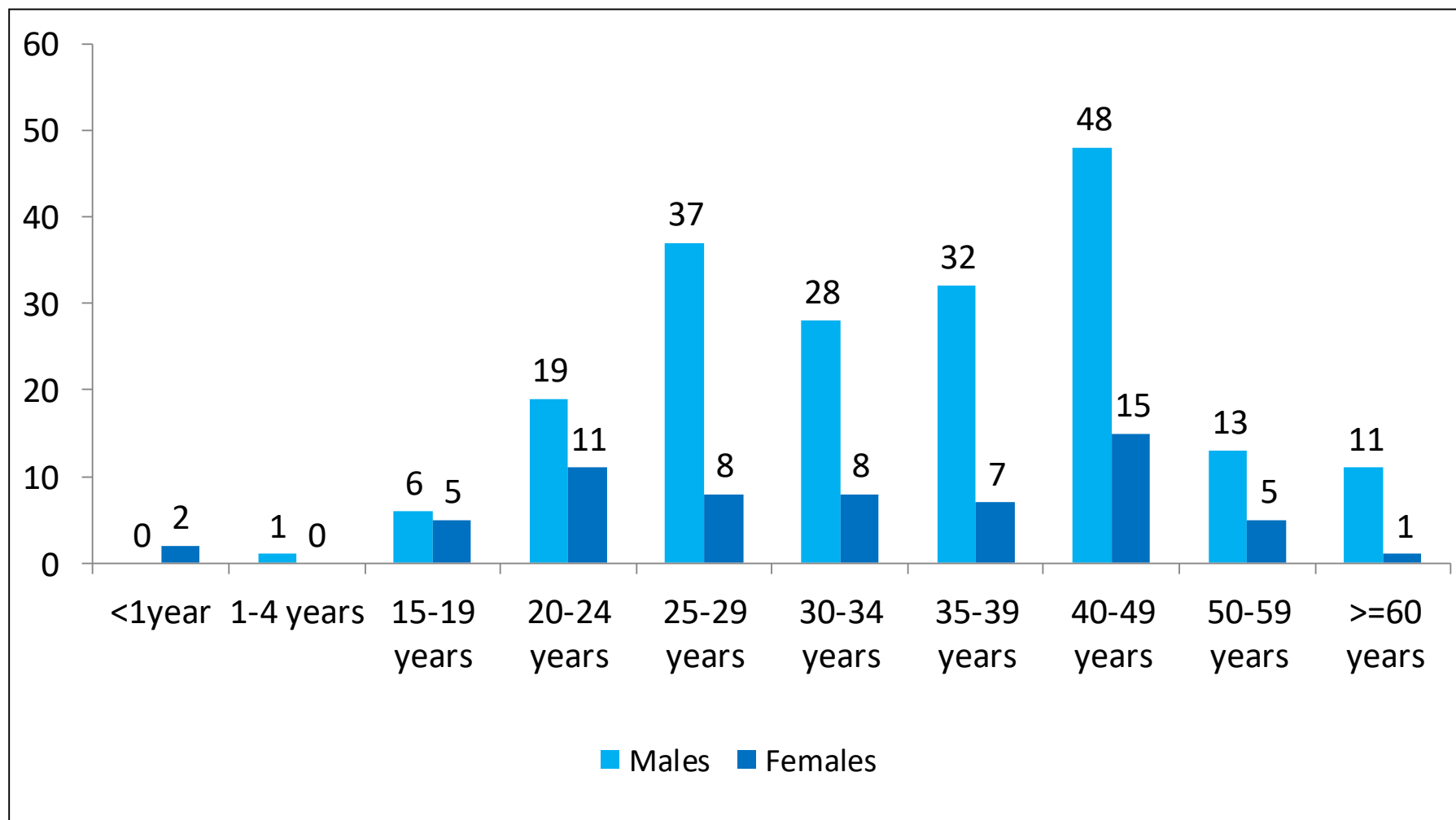
## Distribution, by gender, of new HIV/AIDS cases detected between 01.01 – 30.06.2018





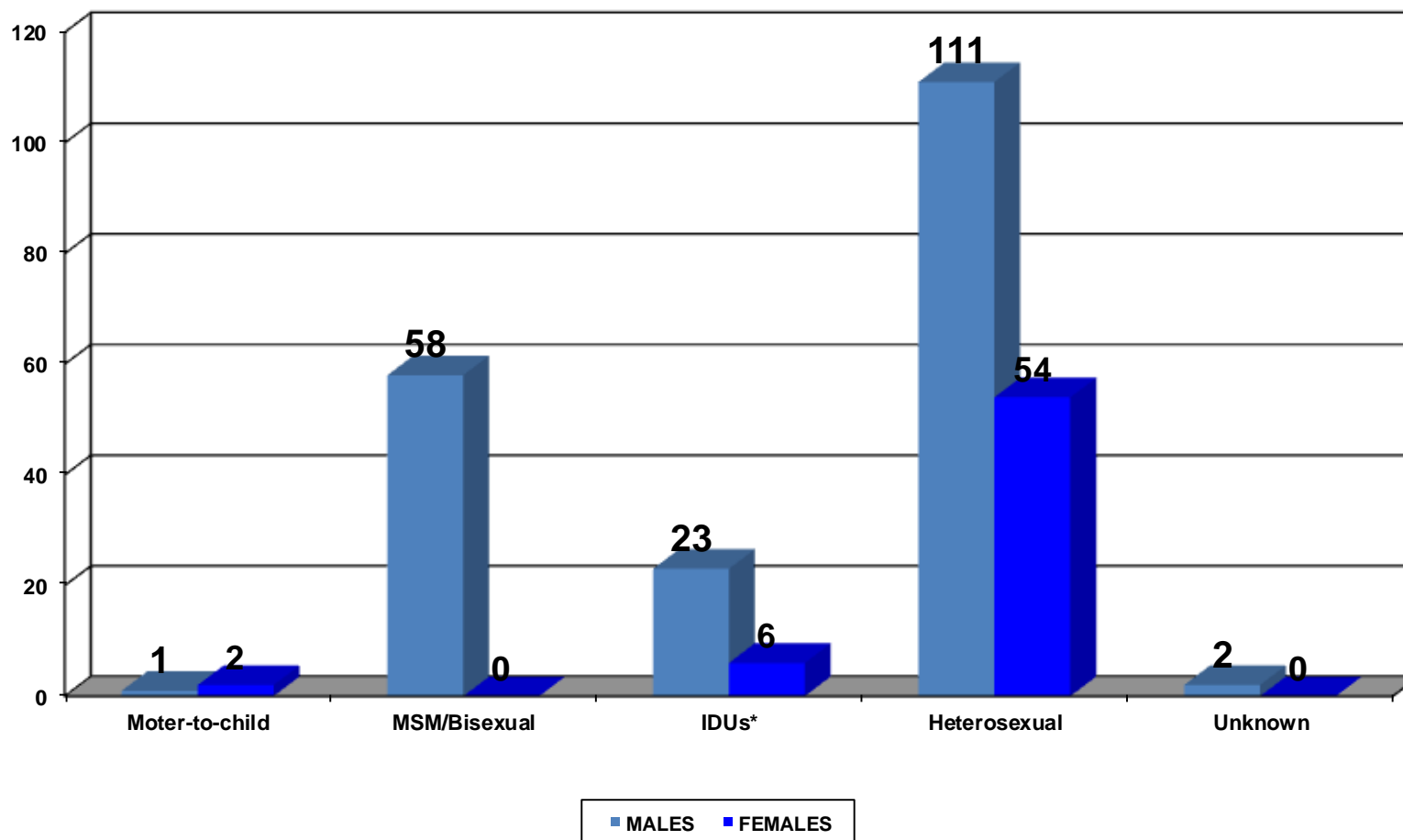


## Distribution, by age and gender, of new HIV/AIDS cases, detected during 01.01-30.06.2018





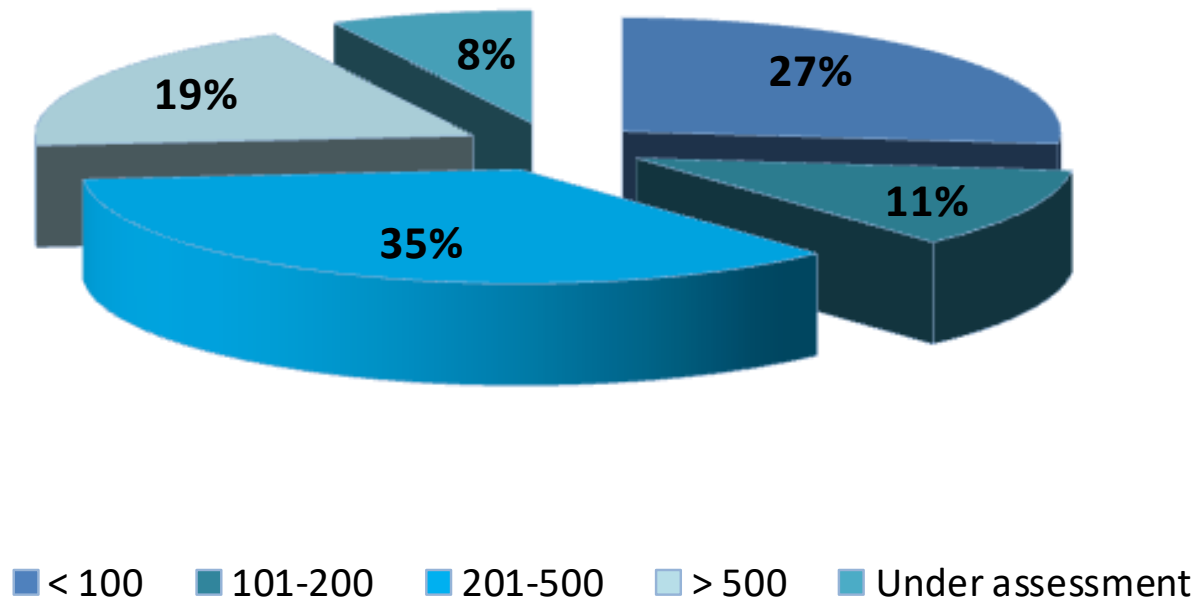
## Distribution, by way of transmission, of new HIV/AIDS cases in children and adults, detected between 01.01-30.06.2018



\*At 30.06.2018 we registered 30 HIV/IDU cases - 29 reported as injecting drug use as way of transmission, while 1 reported MSM (men sex with men)/bisexual contact.



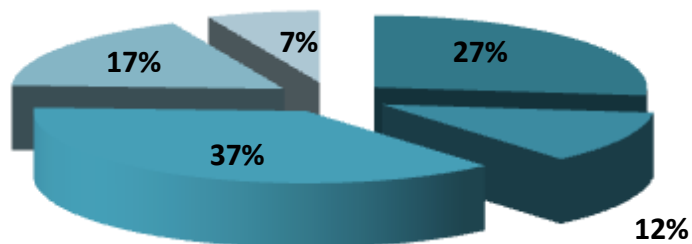
## CD4 values in new HIV/AIDS cases detected during the first semester of 2018





## CD4 values in new HIV/AIDS cases in adults, detected during the first semester of 2018

**Men**

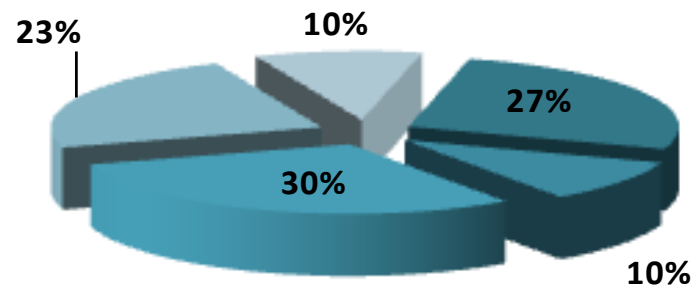


**< 100**  
**201-500**  
**Under assessment**

**101-200**  
**> 500**

**Total cases: 194**

**Women**



**< 100**  
**201-500**  
**Under assessment**

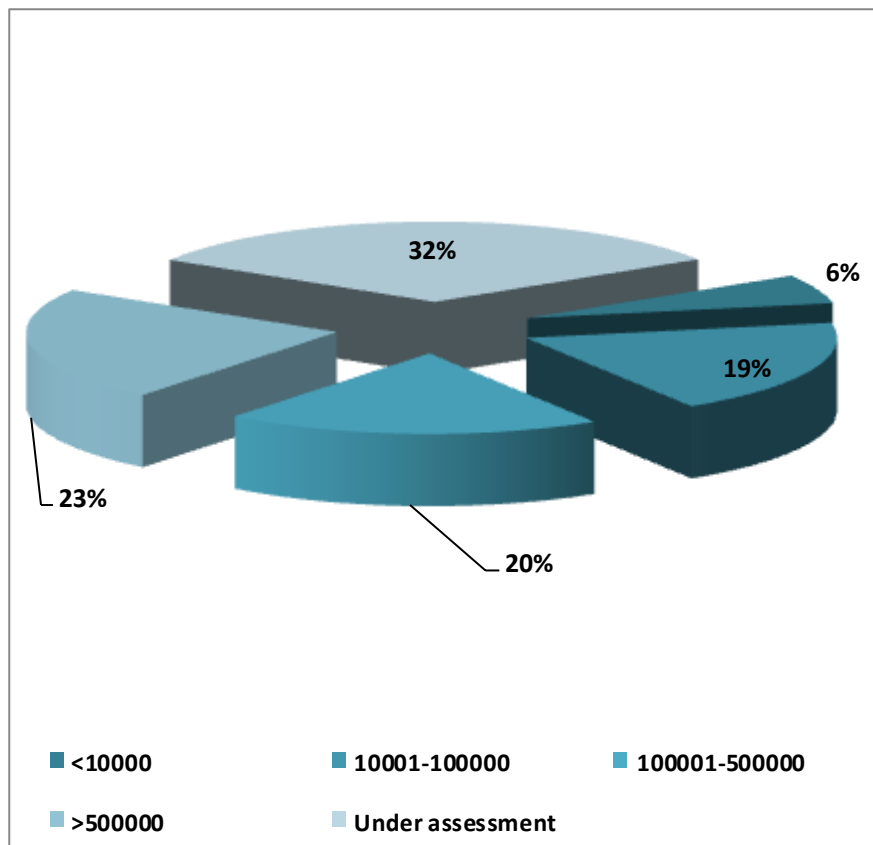
**101-200**  
**> 500**

**Total cases: 60**

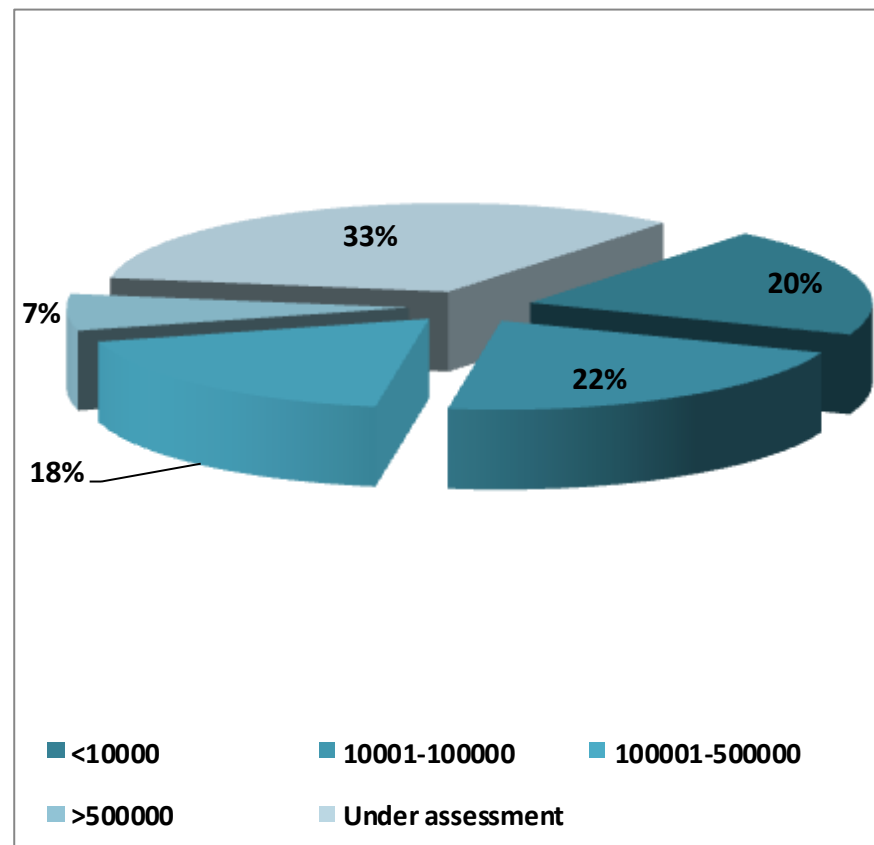


## Viral load in new HIV/AIDS cases in adults, detected during the first semester of 2018

Men



Women



# **New HIV-IDU cases (injecting drug users)**

**1 January- 30 June 2018**

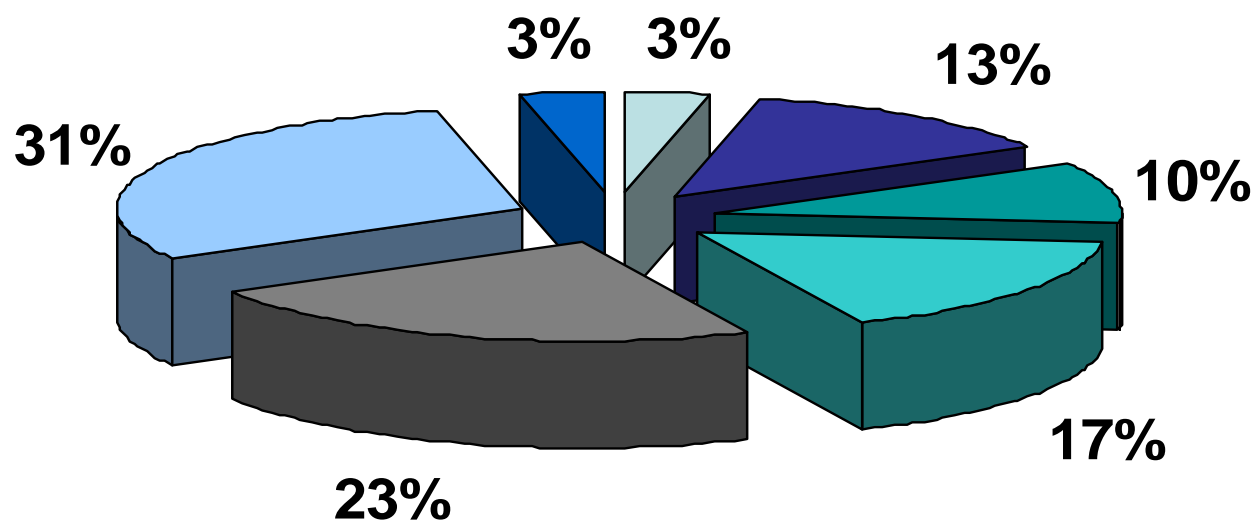
## New cases of HIV/AIDS (January-June 2018) by injecting drug use

### Age groups distribution

Age group	Men	Women	Total
15-19 years	1		1
20-24 years	3	1	4
25-29 years	2	1	3
30-34 years	5		5
35-39 years	5	2	7
40-49 years	8	1	9
≥50 years		1	1
<b>Total</b>	<b>24</b>	<b>6</b>	<b>30</b>



## New cases of HIV/AIDS (January-June 2018) by injecting drug use Age groups distribution



15-19 years 20-24 years 25-29 years 30-34 years  
35-39 years 40-49 years >=50 years



## New cases of HIV/AIDS (January-June 2018) by injecting drug use Counties distribution

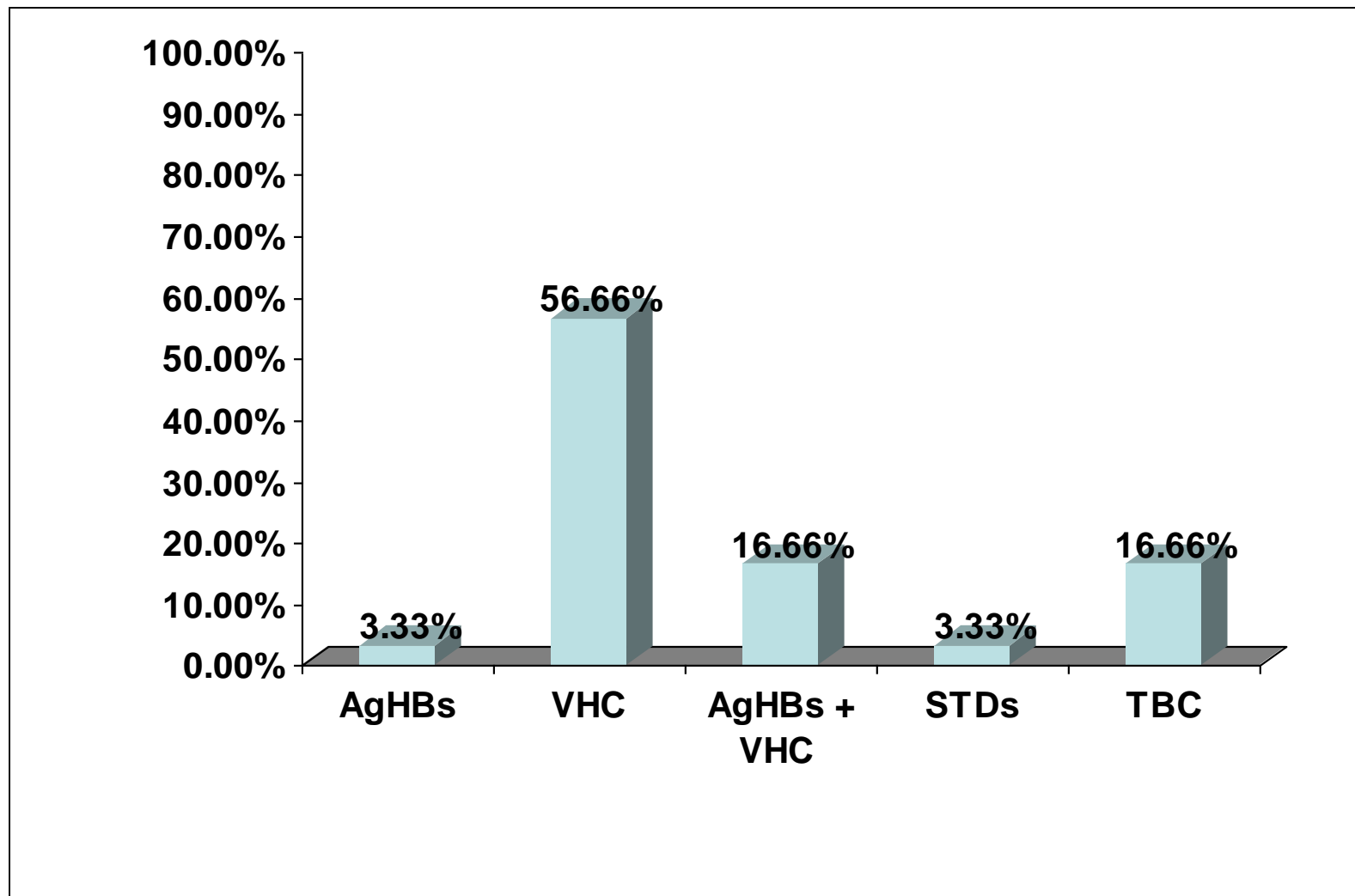
<b>County</b>	<b>Men</b>	<b>Women</b>	<b>Total</b>
Arad	1		1
Bucureşti	20	4	24
Călăraşi	2		2
Cluj		1	1
Ilfov		1	1
Mures	1		1
<b>Total</b>	<b>24</b>	<b>6</b>	<b>30</b>

# HIV/HBC, HCV, STDs and TB co-infections in IDUs

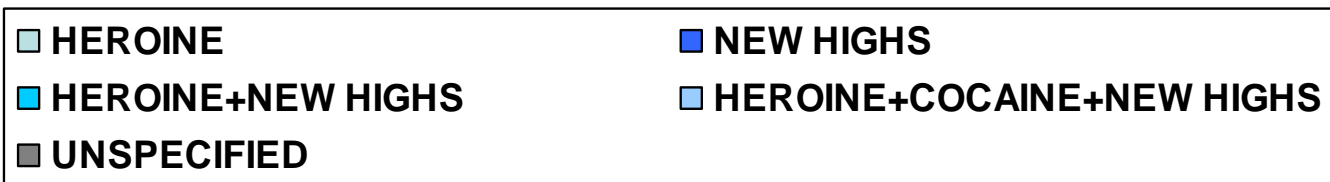
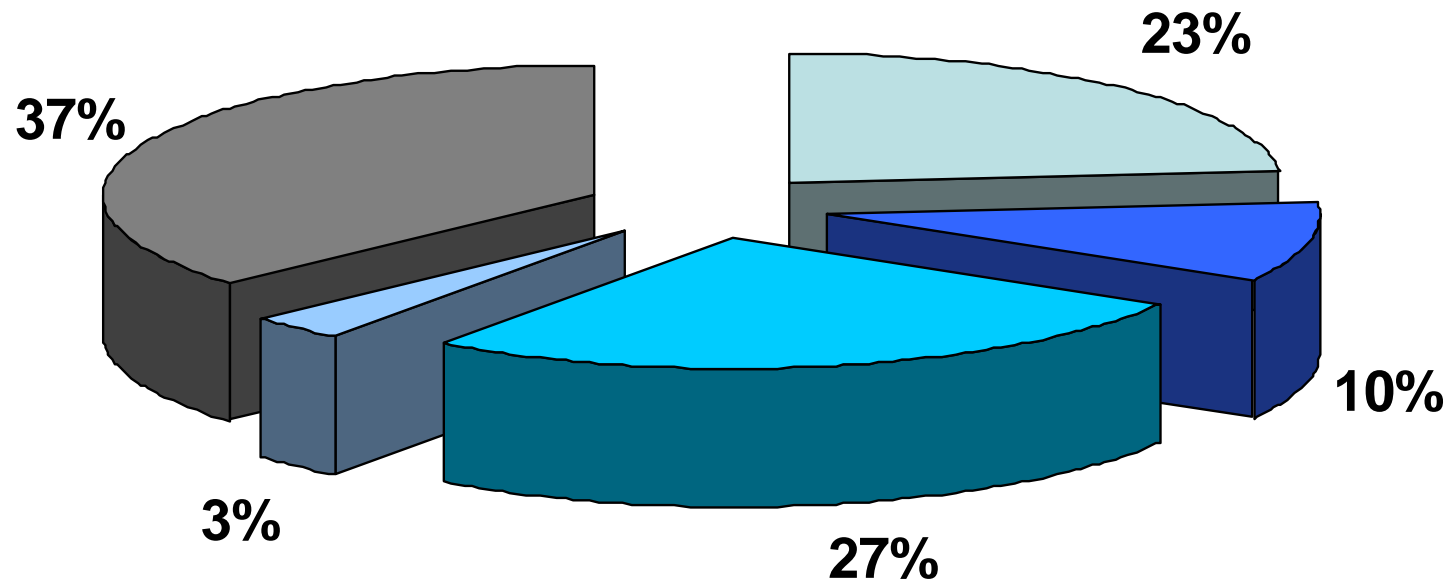
Screened for	Number of patients with a positive test	%
AgHBs	1/30	3.33%
VHC	17/30	56.66%
AgHBs + VHC	5/30	16.66%
STDs (sexually transmitted diseases)	1/30	3.33%
TB co-infection	5/30	16.66%

# HIV/HBV, HCV, STDs and TB co-infections in IDUs

Total patients: 30



## Drugs used by HIV-IDU patients, diagnosed during the first 6 months of 2018



**IDUs diagnosed HIV+ during the first 6 months of 2018, who underwent  
a previous HIV screening**

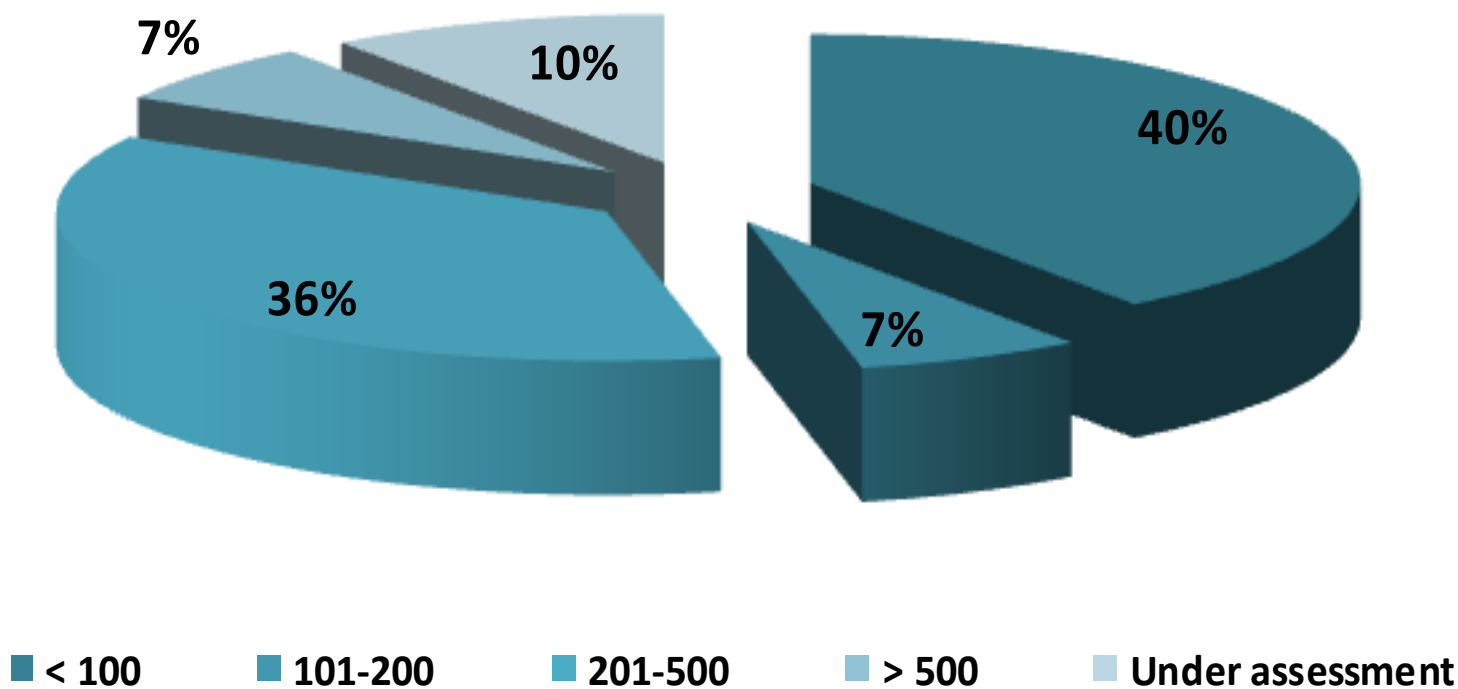
<b>Year of previous screening</b>	<b>No. patients</b>
<b>2007</b>	<b>1</b>
<b>2015</b>	<b>1</b>
<b>2017</b>	<b>1</b>
<b>Total</b>	<b>3</b>

**New HIV/AIDS cases registered in the National HIV/AIDS Data Base during 2009-2018 vs.  
New HIV/AIDS cases in IDUs registered in the National Data Base during 2009-2018**

CRITERION	YEAR																			
	2009		2010		2011		2012		2013		2014		2015		2016		2017		01.01-30.06.2018	
	TOTAL of wich	IDU	TOTAL of wich	IDU	TOTAL of wich	IDU	TOTAL of wich	IDU	TOTAL of wich	IDU	TOTAL of wich	IDU	TOTAL of wich	IDU	TOTAL of wich	IDU	TOTAL of wich	IDU	TOTAL of wich	IDU
<b>No. of HIV infections</b>	258	6	294	6	405	95	484	154	532	149	483	81	429	61	418	45	420	58	142	14
<b>No. of AIDS cases</b>	297	6	282	12	378	64	430	139	441	152	425	117	410	115	350	79	312	56	115	16
<b>Total number of HIV/AIDS cases</b>	555	12	576	18	783	159	914	293	973	301	908	198	839	176	768	124	732	114	257	30



## CD4 count in IDUs diagnosed with HIV/AIDS during the first 6 months of 2018



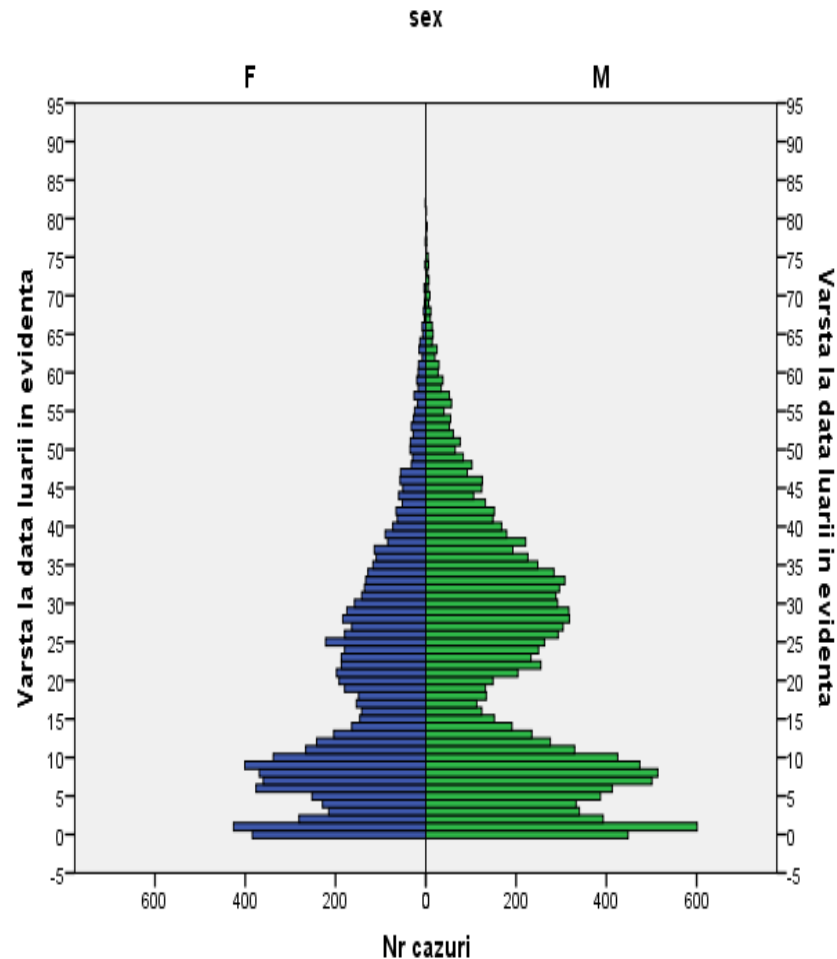
# **Evolution of HIV/AIDS infection in Romania**

**1985-2018**

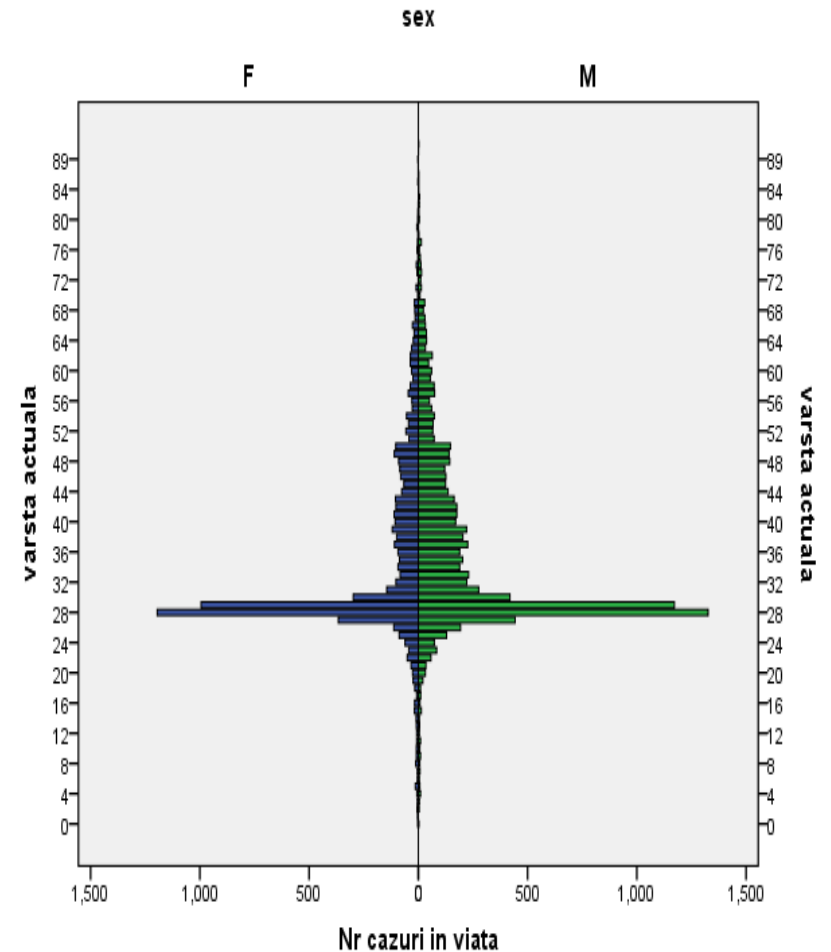


# Distribution of ages

**Age at date of diagnosis/notification  
Cumulative total 1985-2017**



**Distribution by age of PLWHA**



# Distribution of HIV/AIDS living patients, by age groups, current age and gender at 30 June 2018 (cumulative total 1985-2018)

Age group	Gender		TOTAL
	Male	Female	
< 1 year	4	0	4
1-4 years	24	13	37
5-9 years	58	27	85
10-12 years	28	23	51
13-14 years	6	7	13
15-19 years	116	47	163
20-24 years	365	127	492
25-29 years	2053	3231	5284
30-34 years	1335	1503	2838
35-39 years	920	628	1548
40-49 years	1304	1162	2466
50-59 years	582	733	1315
≥60	347	569	916
<b>TOTAL</b>	<b>7142</b>	<b>8070</b>	<b>15212</b>

# Tendencies in routes of transmission in Romania

## 2007-2018\*

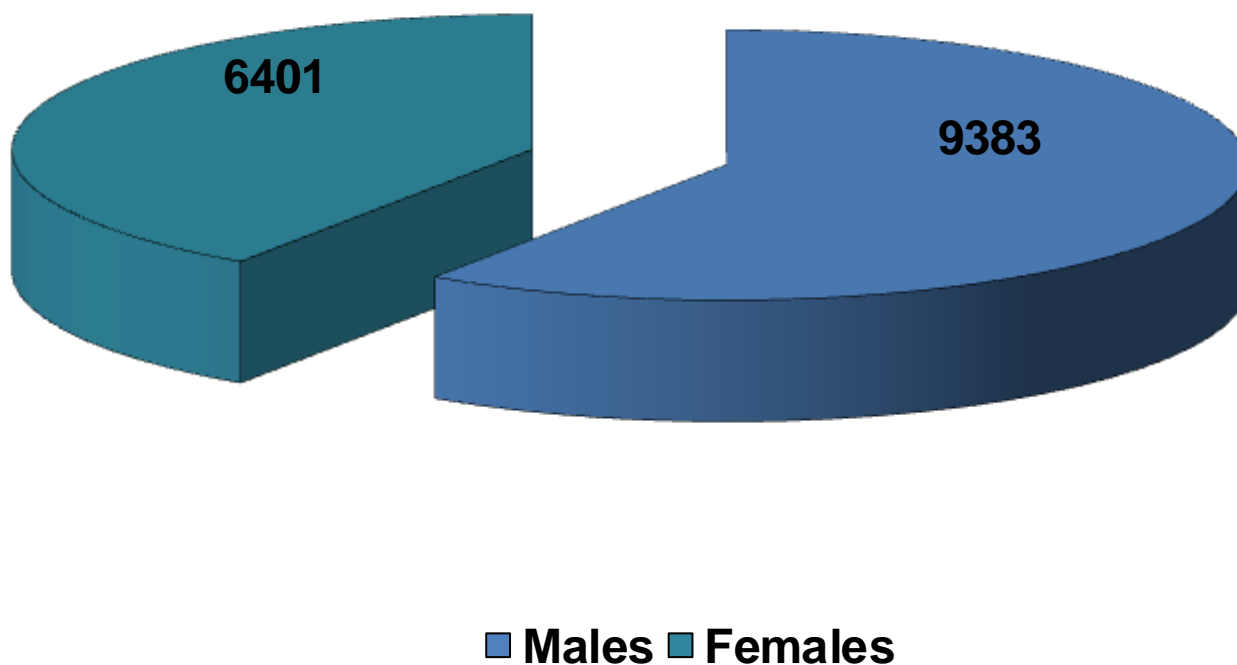
Route of transmission	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Vertical**	9 (1.91%)	13 (2,33%)	23 (4,14%)	27 (4,7%)	22 (2.81%)	21 (2,3%)	28 (2.89%)	17 (1.87%)	19 (2,27%)	6 (0,78%)	14 (2.02%)	3 (1.2%)
MSM	19 (4.03%)	43 (7,71%)	51 (9,18%)	65 (11,32%)	102 (13.04%)	99 (10.86%)	100 (10.34%)	139 (15,35%)	127 (15,19%)	137 (17.97%)	133 (19.21%)	57 (22.2%)
IDU (injecting drug use)	6 (1.27%)	4 (0.71%)	11 (1.98%)	17 (2.96%)	153 (19.56%)	283 (31.06%)	290 (29.98%)	187 (20,66%)	164 (19.61%)	118 (15.48%)	106 (15.31%)	29 (11.3%)
MSM/IDU	1 (0.21%)		1 (0,18%)	1 (0.17%)	8 (1.02%)	7 (0,76%)	10 (1.03%)	9 (0.99%)	10 (1.19%)	3 (0,39%)	2 (0.28%)	1 (0.4%)
Heterosexual	367 (77.91%)	424 (76.12%)	419 (75,49%)	430 (74.91%)	470 (60.1%)	460 (50,49%)	524 (54.18%)	532 (58,78%)	491 (58,73%)	488 (64.04%)	430 (62.13%)	165 (64%)
Unkown	69 (14.64%)	73 (13.1%)	50 (9%)	34 (5,92%)	27 (3.45%)	41 (4,5%)	15 (1.55%)	21 (2,32%)	25 (2.99%)	10 (1.31%)	7 (1.01%)	2 (0.8%)
<b>Total</b>	<b>471</b>	<b>557</b>	<b>555</b>	<b>574</b>	<b>782</b>	<b>911</b>	<b>967</b>	<b>905</b>	<b>836</b>	<b>762</b>	<b>692</b>	<b>254</b>

\*The update of delayed reporting data and the confirmation of cases is performed annually.

\*\* 2017 New bourns perinatally exposed to HIV , whose status was declared “HIV infected” in 2017 and perinatally exposed to HIV during the previous years and confirmed HIV positive in 2017

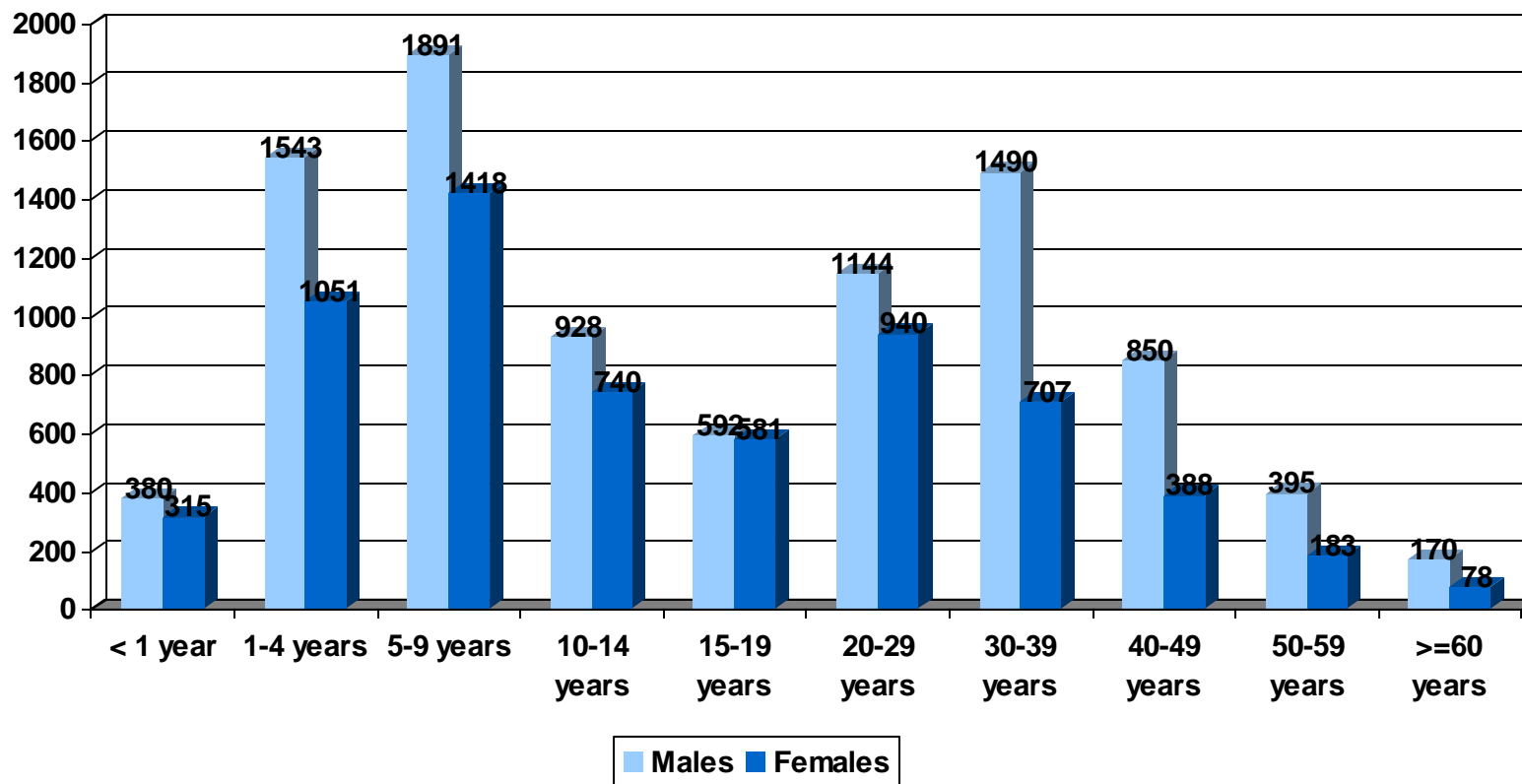


## Gender distribution of AIDS cases at 30 June 2018 (Cumulative number 1985-2018)



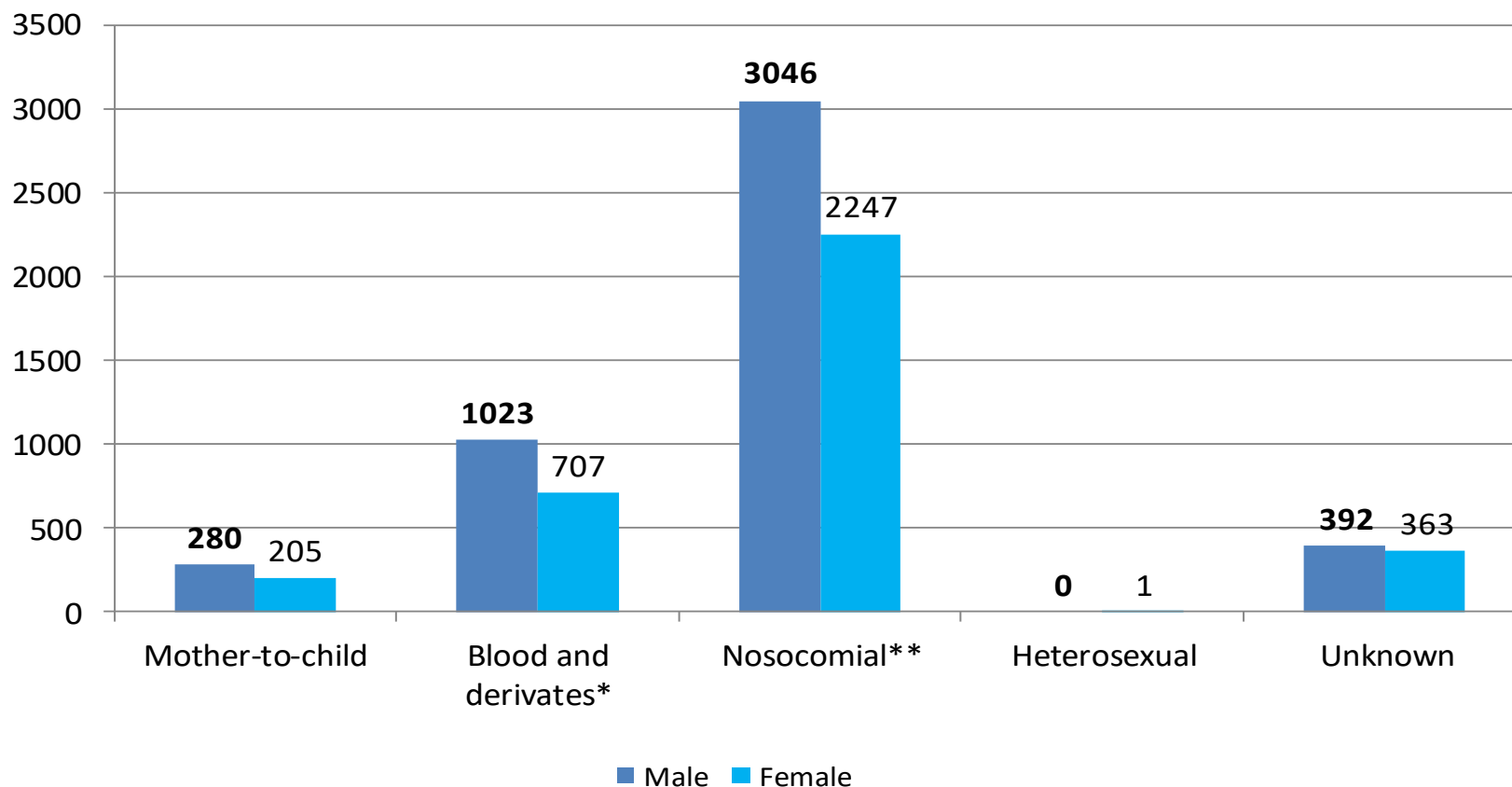


## Age groups (at time of diagnosis) and gender distribution of AIDS cases at June 30 2018 (Cumulative total 1985-2018)





## Probable route of transmission in children diagnosed with AIDS (0-14 years at time of diagnosis) at 30 June 2018 (cumulative total 1989-2018)

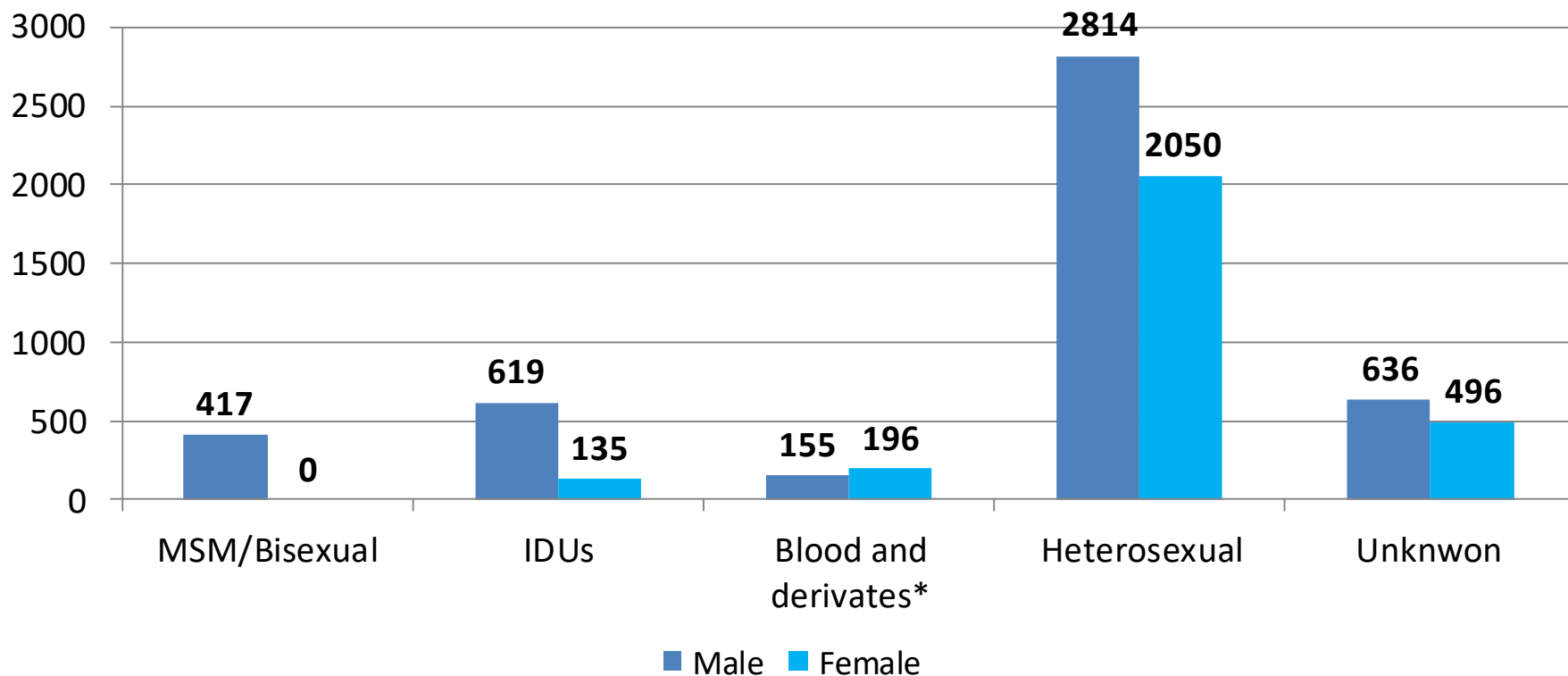


\*Persons who received blood transfusions at the end of 1980s and in the early 1990s.

\*\*Persons with multiple admissions and/or multiple parenteral treatments at the end of 1980s and in the early 1990s.



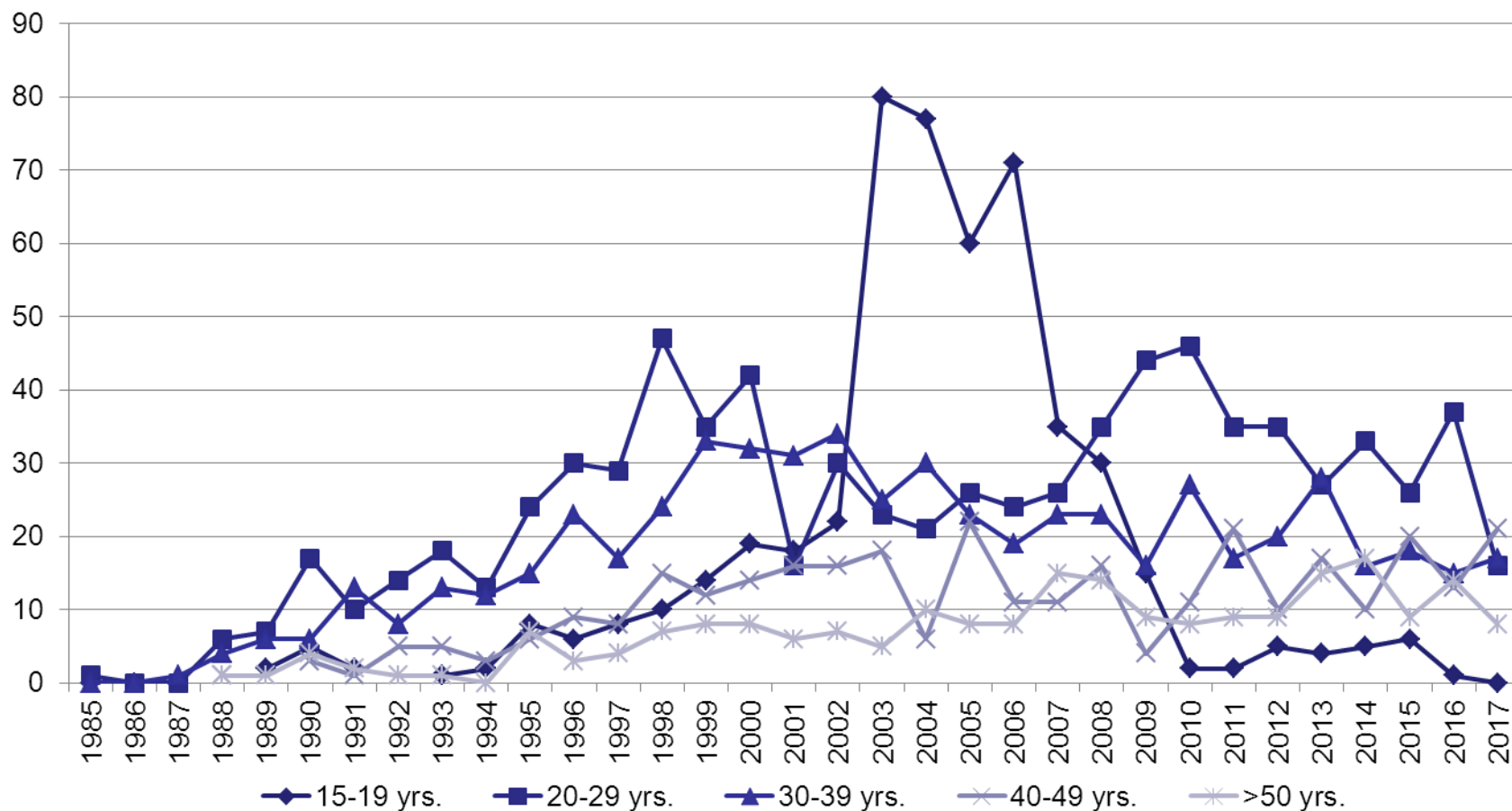
**Probable route of transmission in teenagers and adults diagnosed with AIDS  
(>14 at time of diagnosis) at 30 June 2018  
(cumulative total 1985-2018)**



\* Persons who received blood transfusions in the late 1980s and early 1990s



# Distribution of AIDS cases in women, by age group and year of diagnosis, between 1985-2017

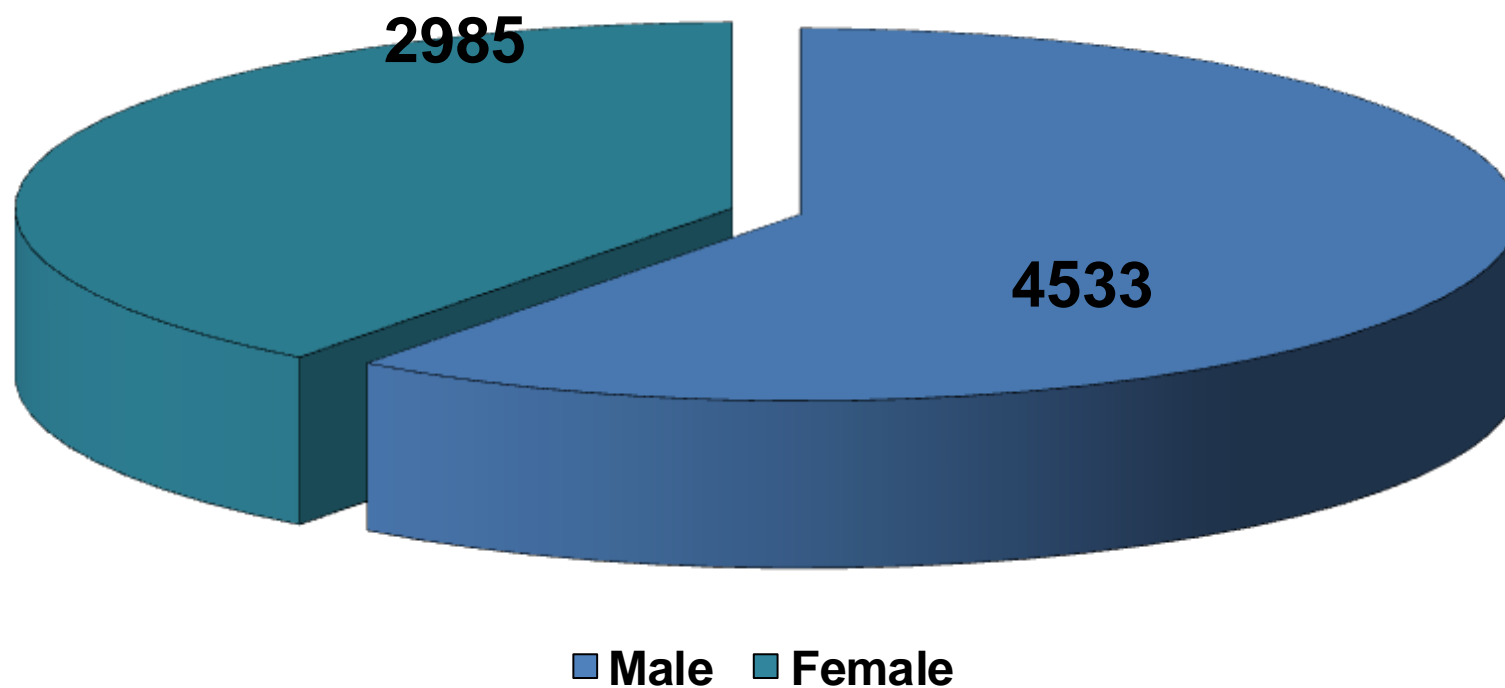


Source: Compartment for Monitoring and Evaluation of HIV/AIDS Infection in Romania INBI "Prof.Dr.M.Balș"



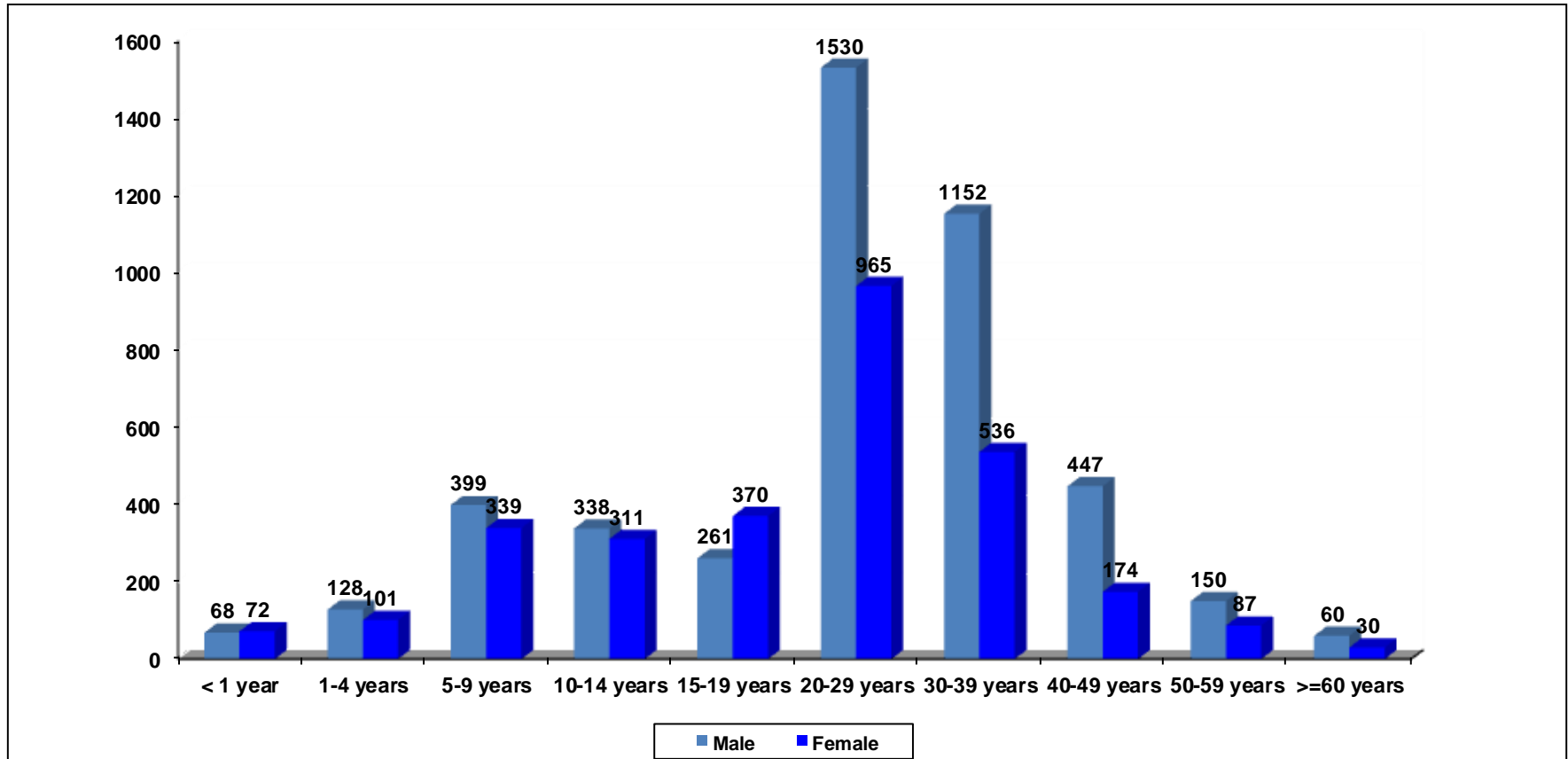


**Gender distribution of HIV infection cases  
at June 30, 2018  
(cumulative total 1992-2018)**

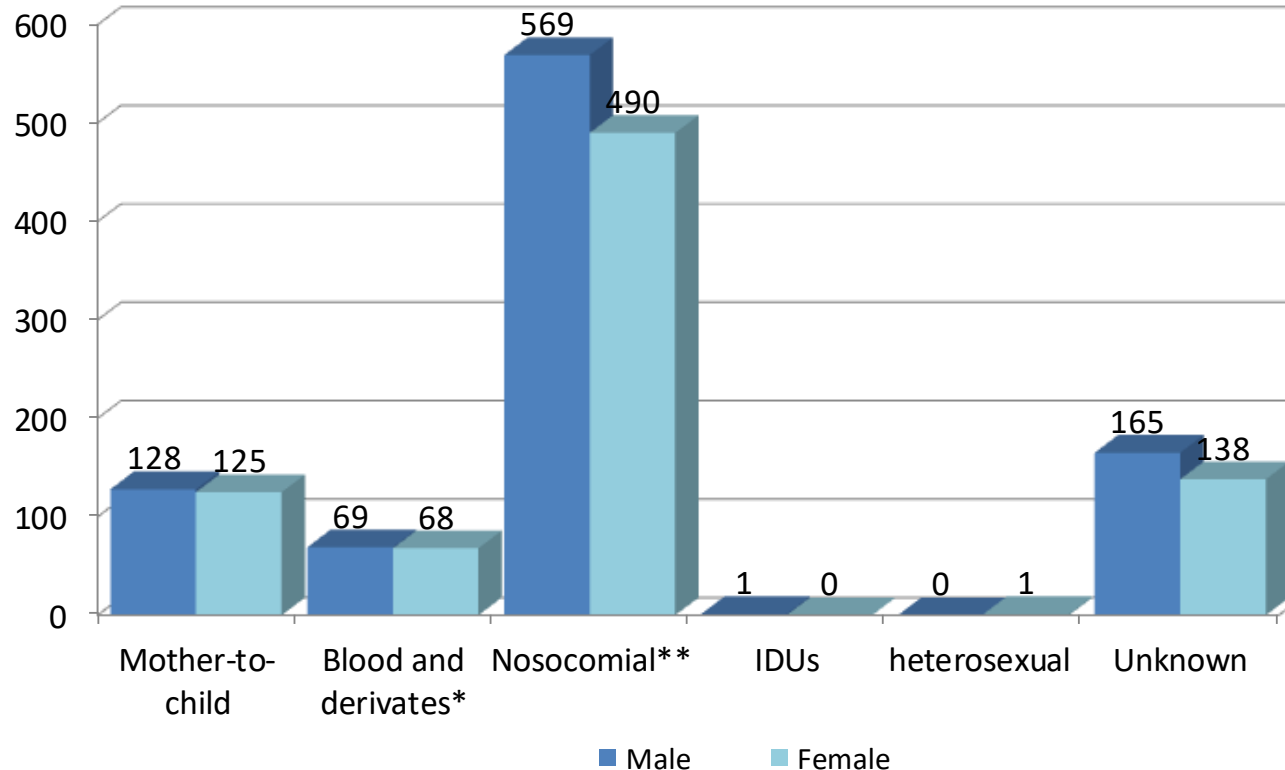




## Age group (at time of diagnosis) and gender distribution of HIV infection cases at 30 June 2018 (cumulative total 1992-2018)



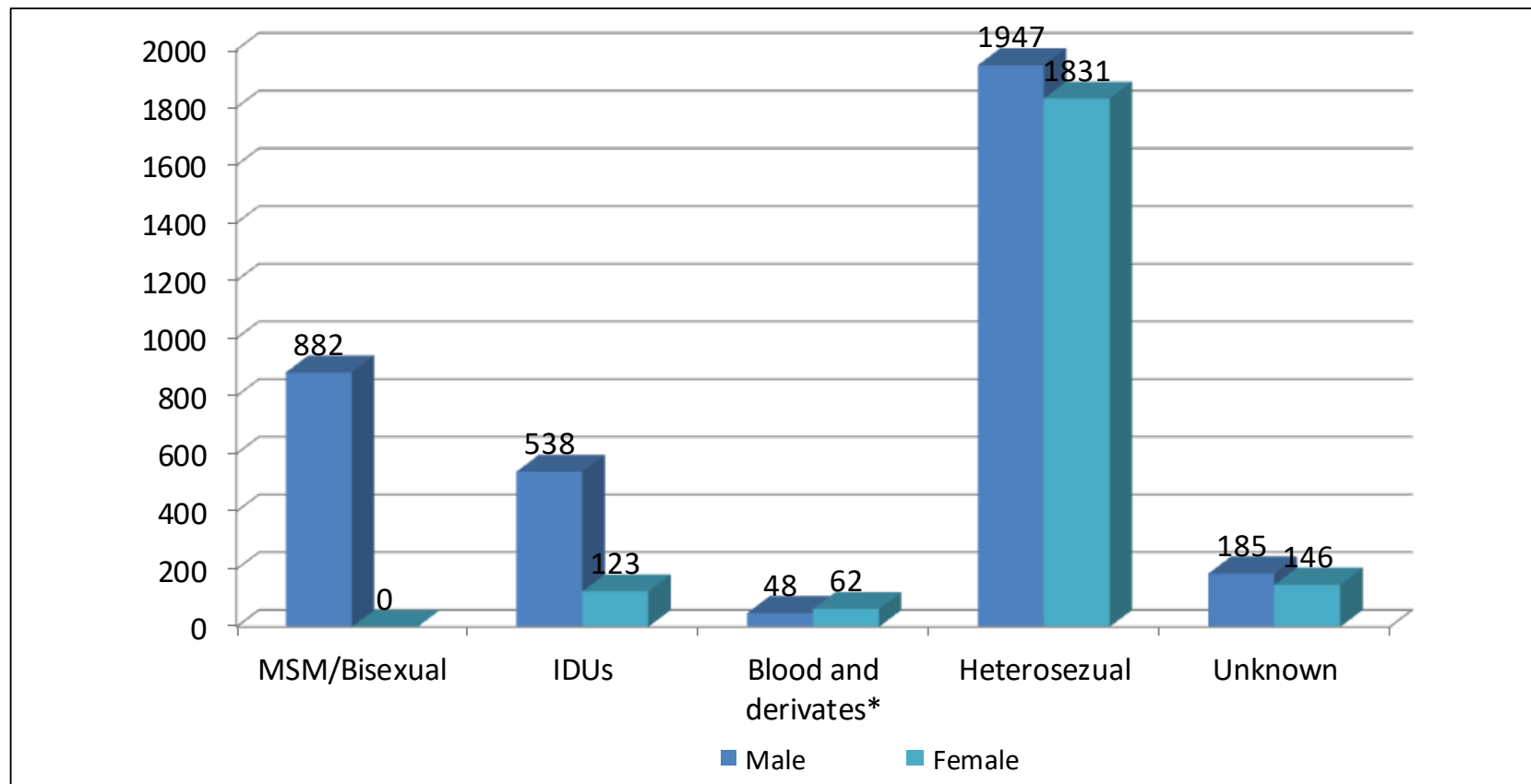
# Probable route of transmission in children with HIV infection (0-14 years at time of diagnosis) at 30 June 2018 (cumulative total 1992-2018)



\*Persons who received blood transfusions at the end of 1980s and in the early 1990s.

\*\*Persons with multiple admissions and/or multiple parenteral treatment at the end of 1980s and in the early 1990s.

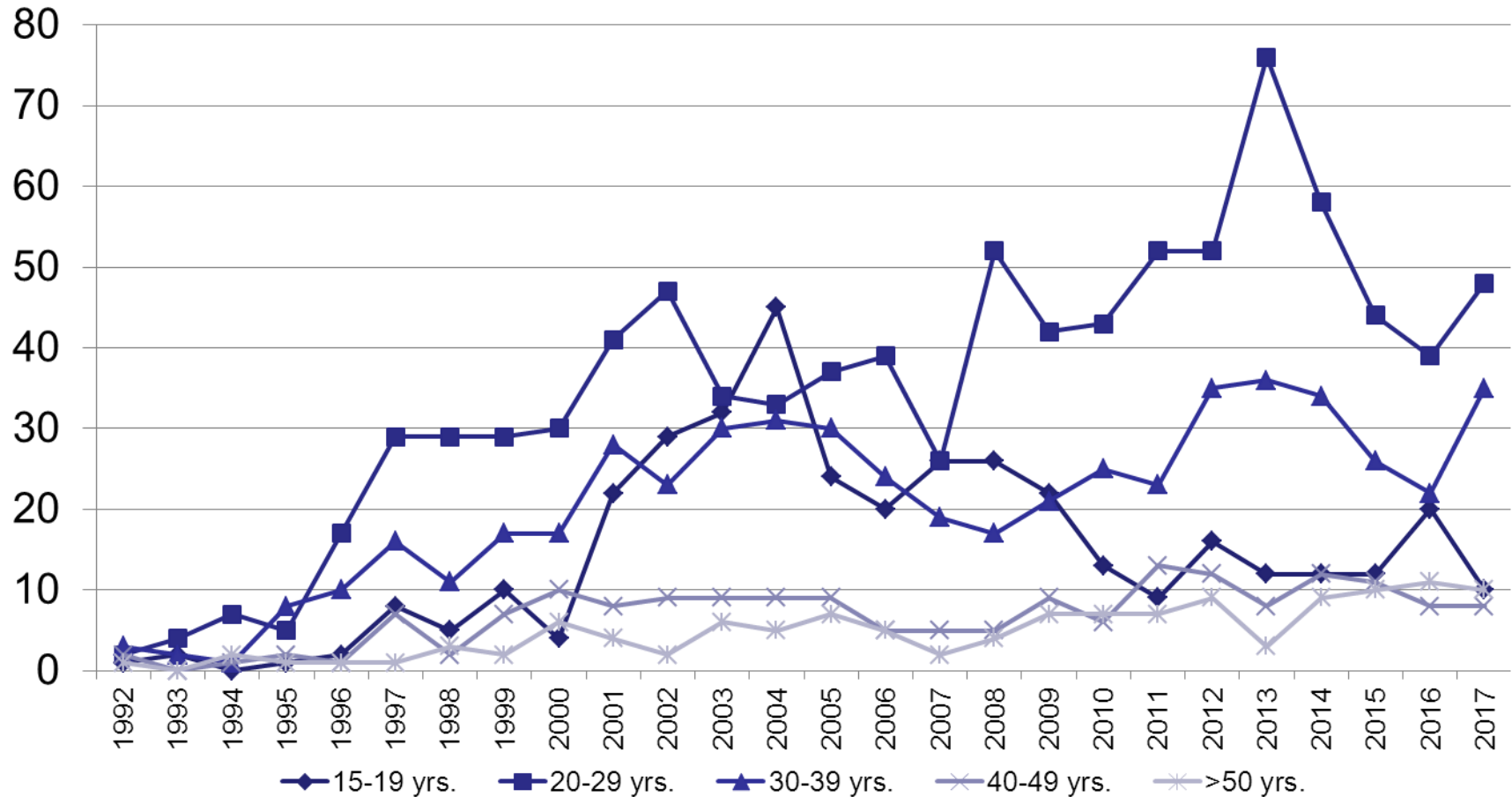
**Probable route of transmission in teenagers and adults with HIV infection  
(>14 years at time of diagnosis)  
at 30 June 2018  
(cumulative total 1992-2018)**



\* Persons who received blood transfusions at the end of 1980s and in the early 1990s

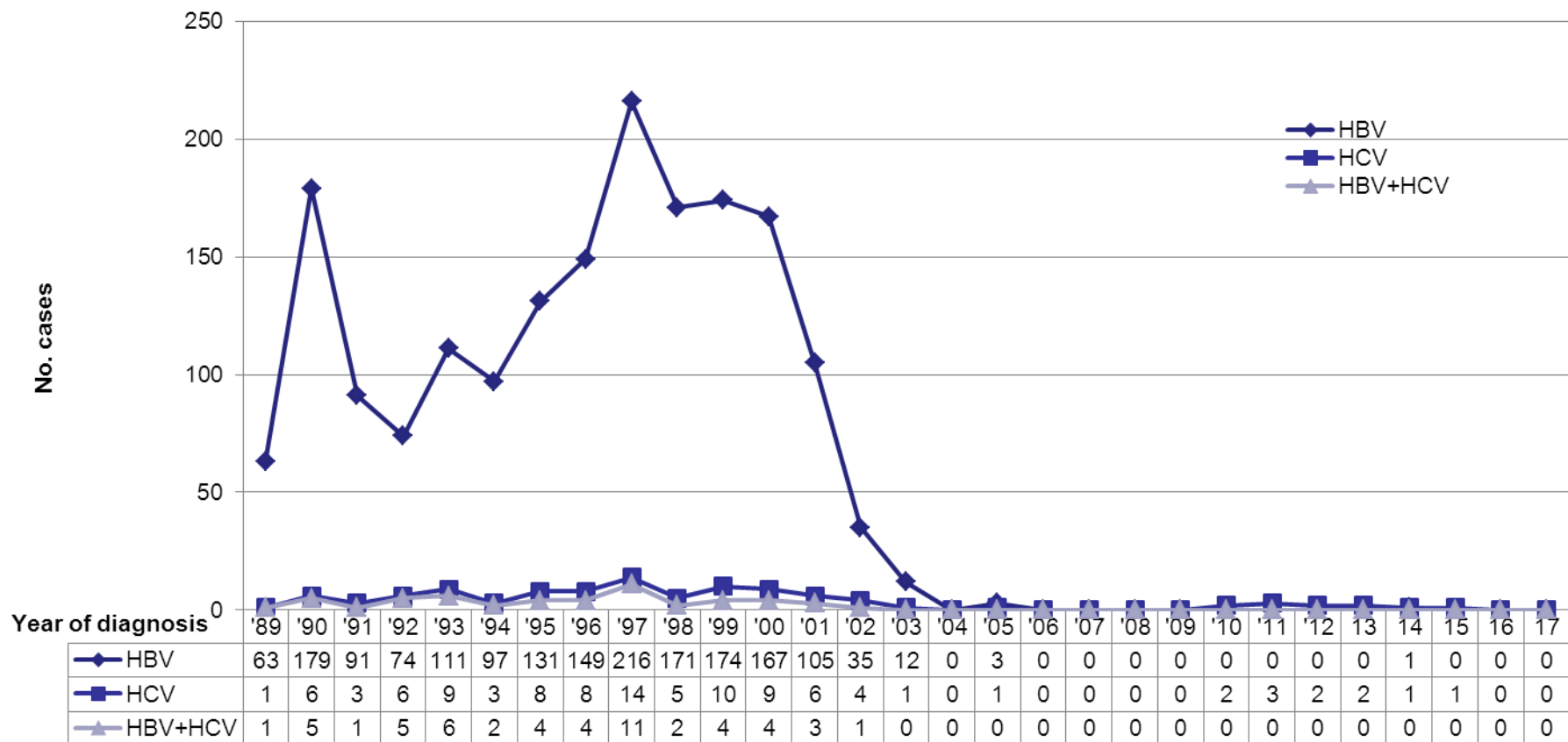


# Distribution of HIV infection in women by years of diagnosis and age group (1992-2017)



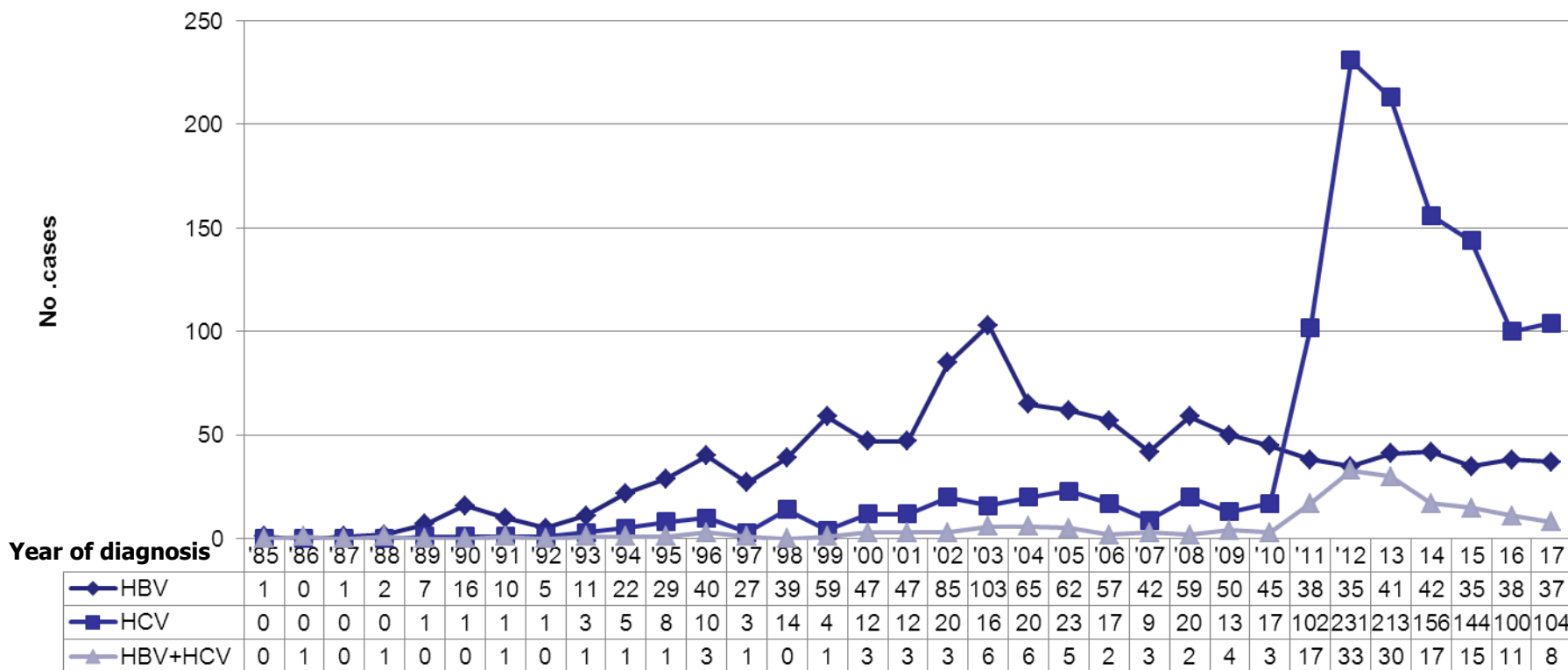
Source: Compartment for Monitoring and Evaluation of HIV/AIDS Infection in Romania INBI "Prof.Dr.M.Balș"

# HBV, HCV and HBV+HCV infection in seropositive children during 1989-2017



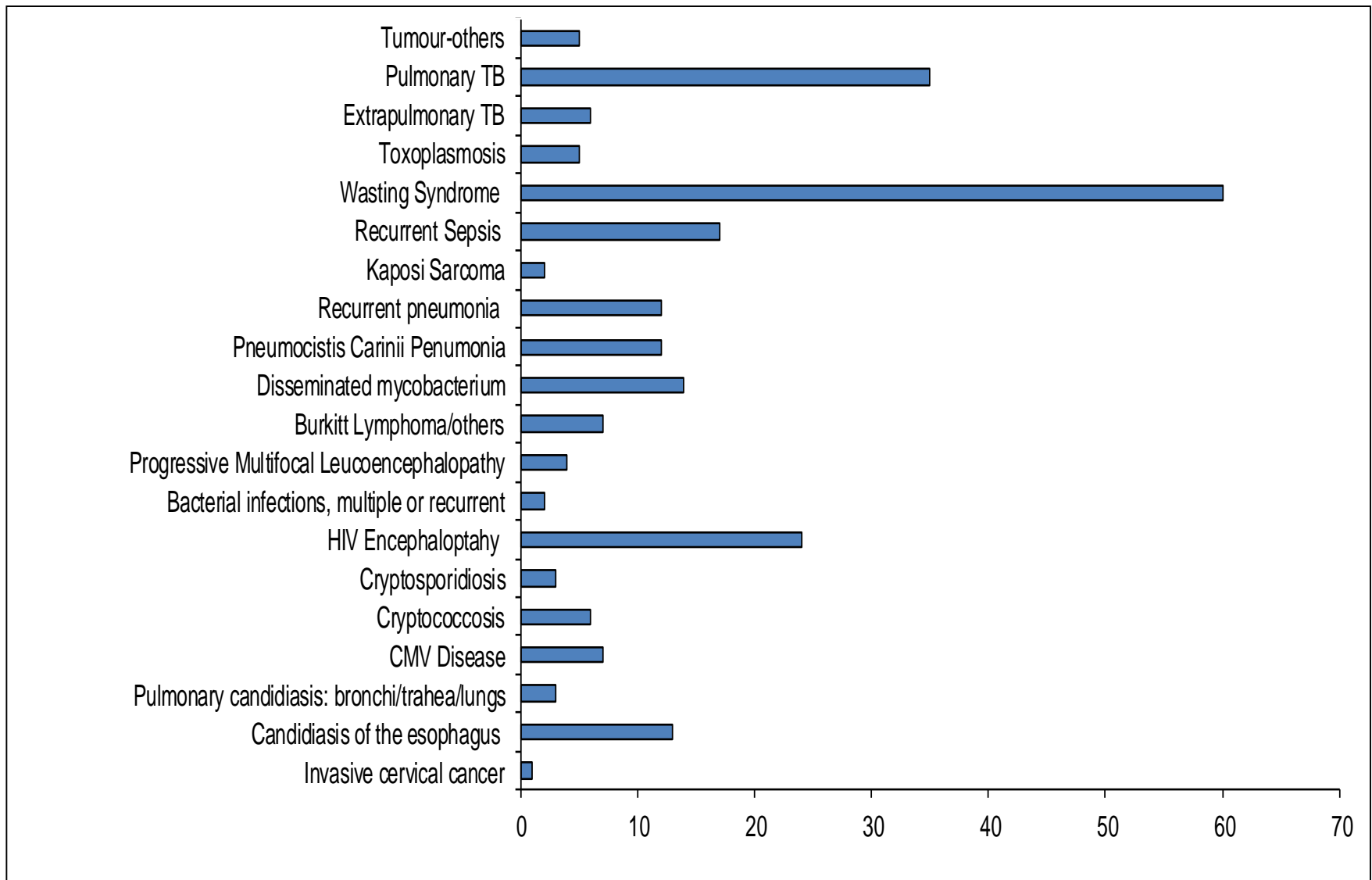
Source: Compartment for Monitoring and Evaluation of HIV/AIDS Infection in Romania INBI “Prof.Dr.M.Balș”

# HBV, HCV and HBV+HCV infection in seropositive adults during 1985-2017



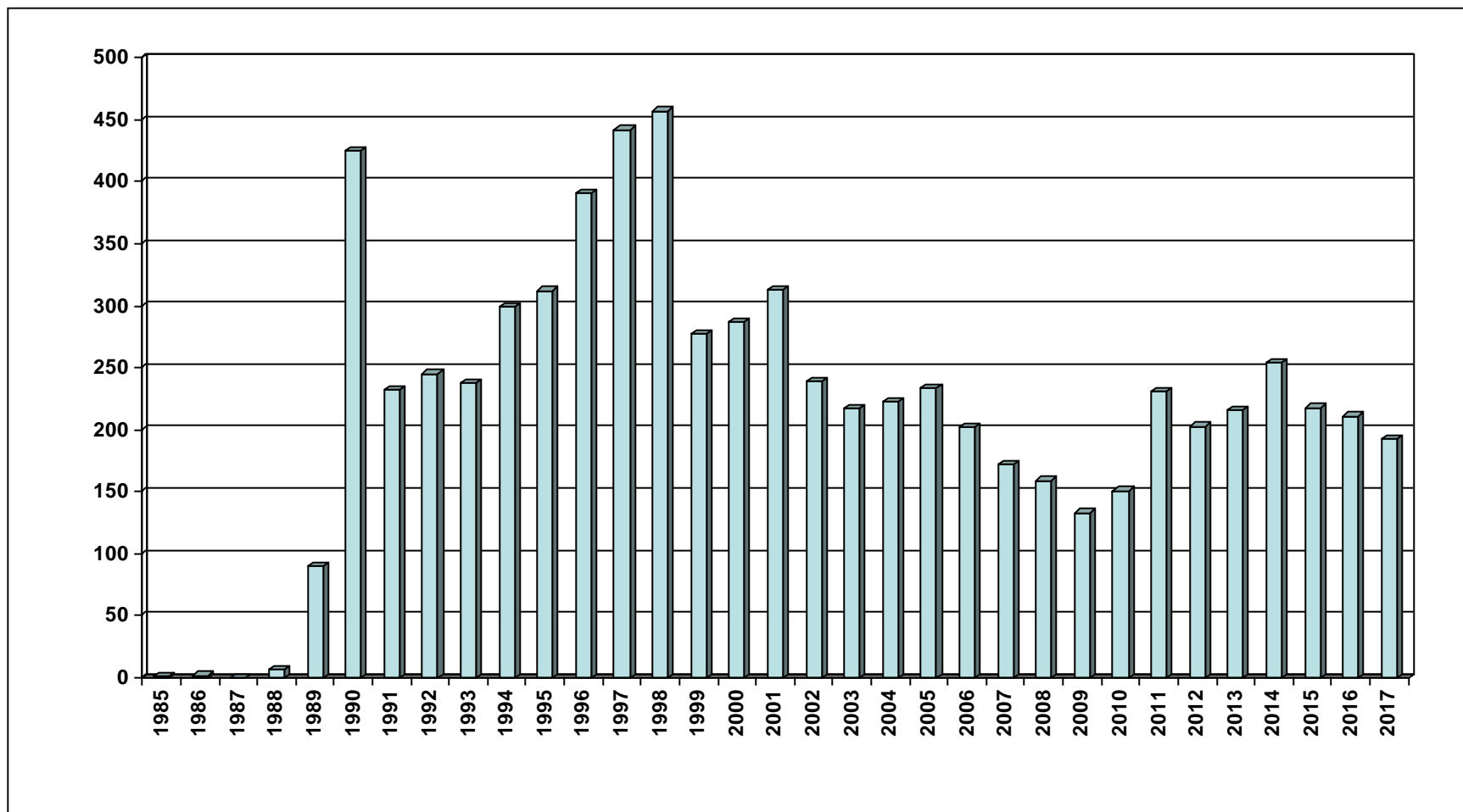
Source: Compartment for Monitoring and Evaluation of HIV/AIDS Infection in Romania INBI “Prof.Dr.M.Balș”

## Associated diseases 01.01 – 30.06.2018





# Deaths by year 1985-2017



# **HIV testing**

**January-June 2018**

## HIV testing\* in risk groups during the first 6 months of 2018

Risk group	Negative tests	Positive tests	TOTAL	%POSITIVE
STDs	247	5	252	1.98
TBC	2472	12	2484	0.48
Maternity testing	113	1	114	0.88
Pregnant women	35639	22	35661	0.06
Health workers	1923		1923	0.00
Pts. with hemodialysis	325		325	0.00
Persons who received transfusions	12		12	0.00
Prenuptial check-up	1609	1	1610	0.06
IDUs	13		13	0.00
Prisoners	106	2	108	1.85
MSM	3		3	0.00
SWs (sex workers)	1		1	0.00
HIV contacts	148	22	170	12.94
Sailors	839	1	840	0.12
Drivers	2234	1	2235	0.04
Work abroad> 6 months	68	1	69	1.45
Stay abroad> 6 months	0	0	0	0.00
On request	24770	86	24856	0.35
Occasional	10442	165	10607	1.56
<b>TOTAL</b>	<b>80964</b>	<b>319</b>	<b>81283</b>	<b>0.39</b>

\*The data are sent by the County Public Health Authorities

## HIV testing\* in pregnant women, by age groups, during the first six months of 2018

Age group	Negative tests	<i>Positive tests</i>	TOTAL	%POSITIVE
12-14 years	178		178	0.00
15-19 years	4185		4185	0.00
20-24 years	7796	11	7807	0.14
25-29 years	9980	6	9986	0.06
30-34 years	8078	3	8081	0.04
35-39 years	3763	2	3765	0.05
> 40 years	1127		1127	0.00
Unspecified age	532		532	0.00
<b>TOTAL</b>	<b>35639</b>	<b>22</b>	<b>35661</b>	<b>0.06</b>

\*The data are sent by the County Public Health Authorities

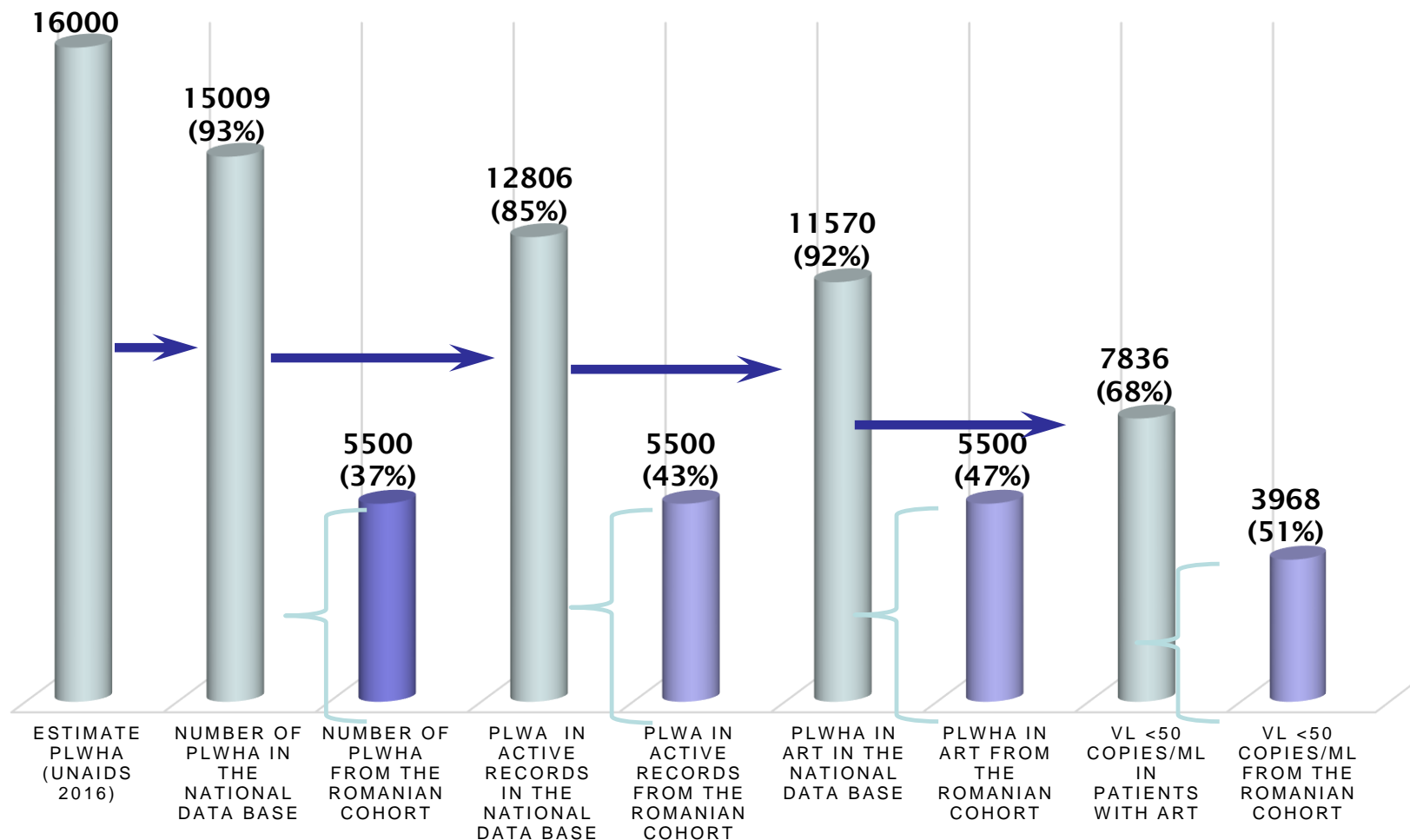
## HIV testing \* in blood donors during the first six months of 2018

Group	Gender	Positive	Negative	TOTAL	%Positive
First time donor	Male	10	32826	32836	0,03
	Female	3	22577	22580	0,013
	Total	13	55403	55416	0,023
Regular donor	Male	2	70783	70785	0,003
	Female	1	36315	36316	0,002
	Total	3	107098	107101	0,003
Occasional donor	Male	3	27717	27720	0,01
	Female	0	15735	15735	0
	Total	3	43452	43455	0,007
TOTAL		19	205953	205972	0,009

\*The data are sent by the National Institute for Hematology "PROF.C.T.NICOLAU" Bucharest

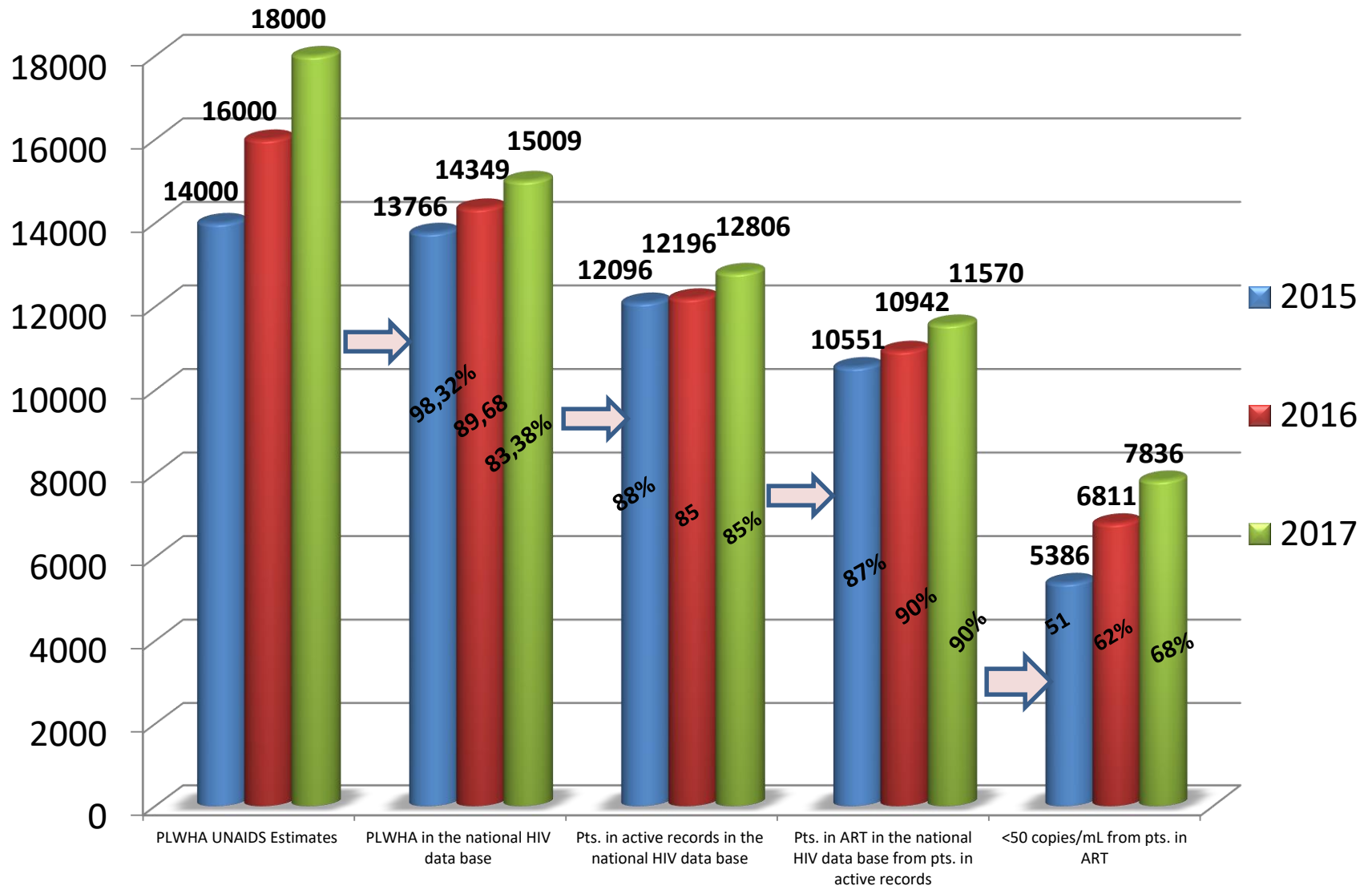
# CURRENT STANDARDS OF HIV CARE IN ROMANIA

# Cascade of HIV care - Romania 31 December 2017



Source: Compartment for Monitoring and Evaluation of HIV/AIDS Data in Romania  
INBI "Prof.Dr.M.Balș"/  
The National HIV/AIDS Data Base  
Data under assessment

# Cascade of HIV cares in Romania 2015-2018



Source: Compartment for Monitoring and Evaluation of HIV/AIDS Data in Romania

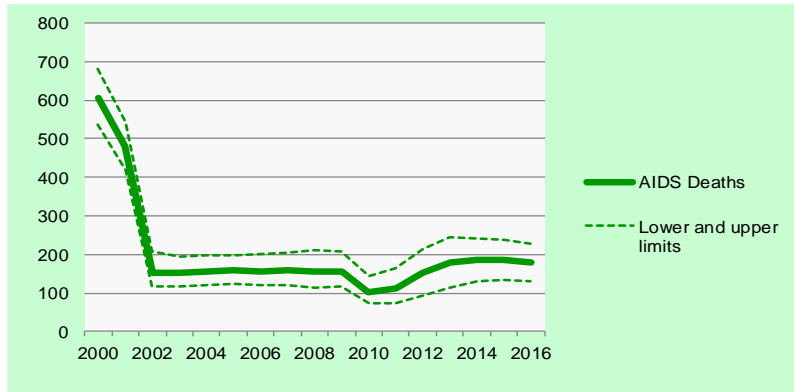
[www.cnlas.ro](http://www.cnlas.ro)



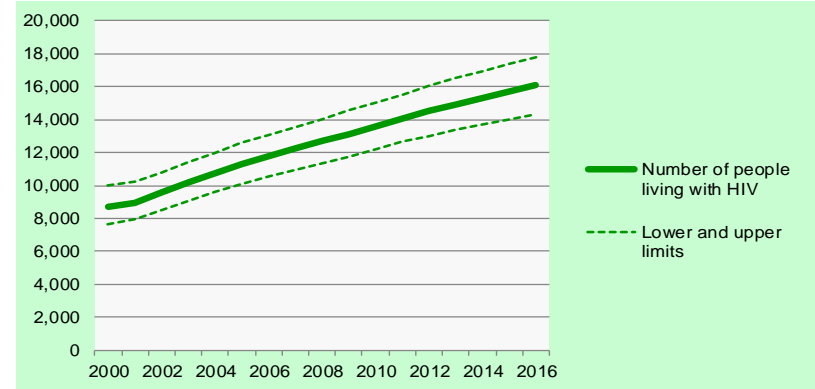
# UNAIDS Estimates for Romania 2017

## ROMANIA SELECTED TRENDS

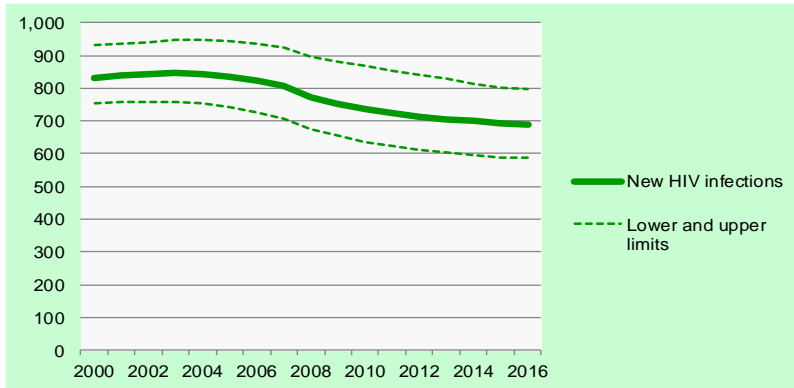
### AIDS Deaths



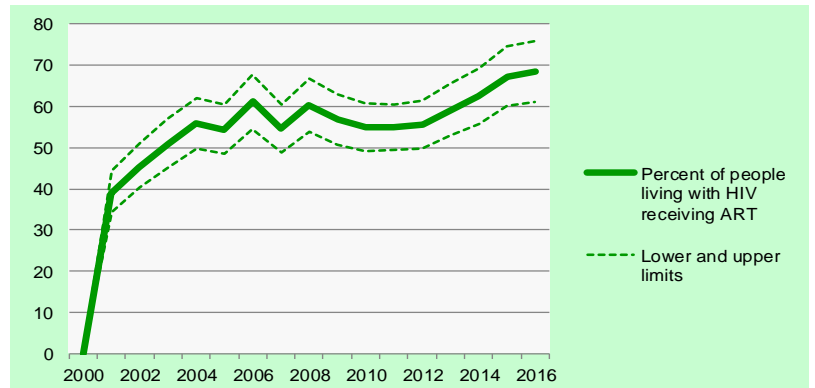
### Number of people living with HIV



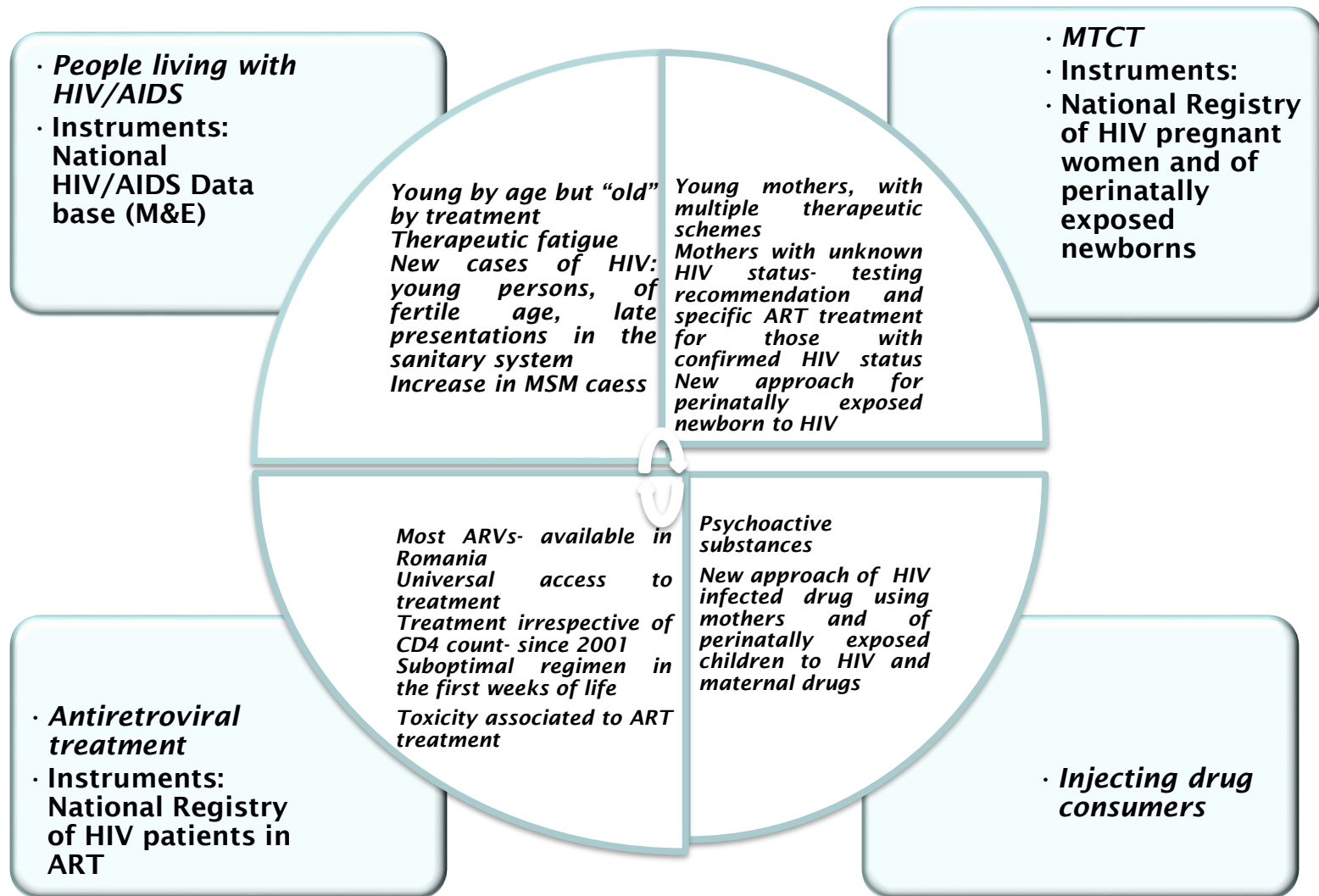
### New HIV Infections



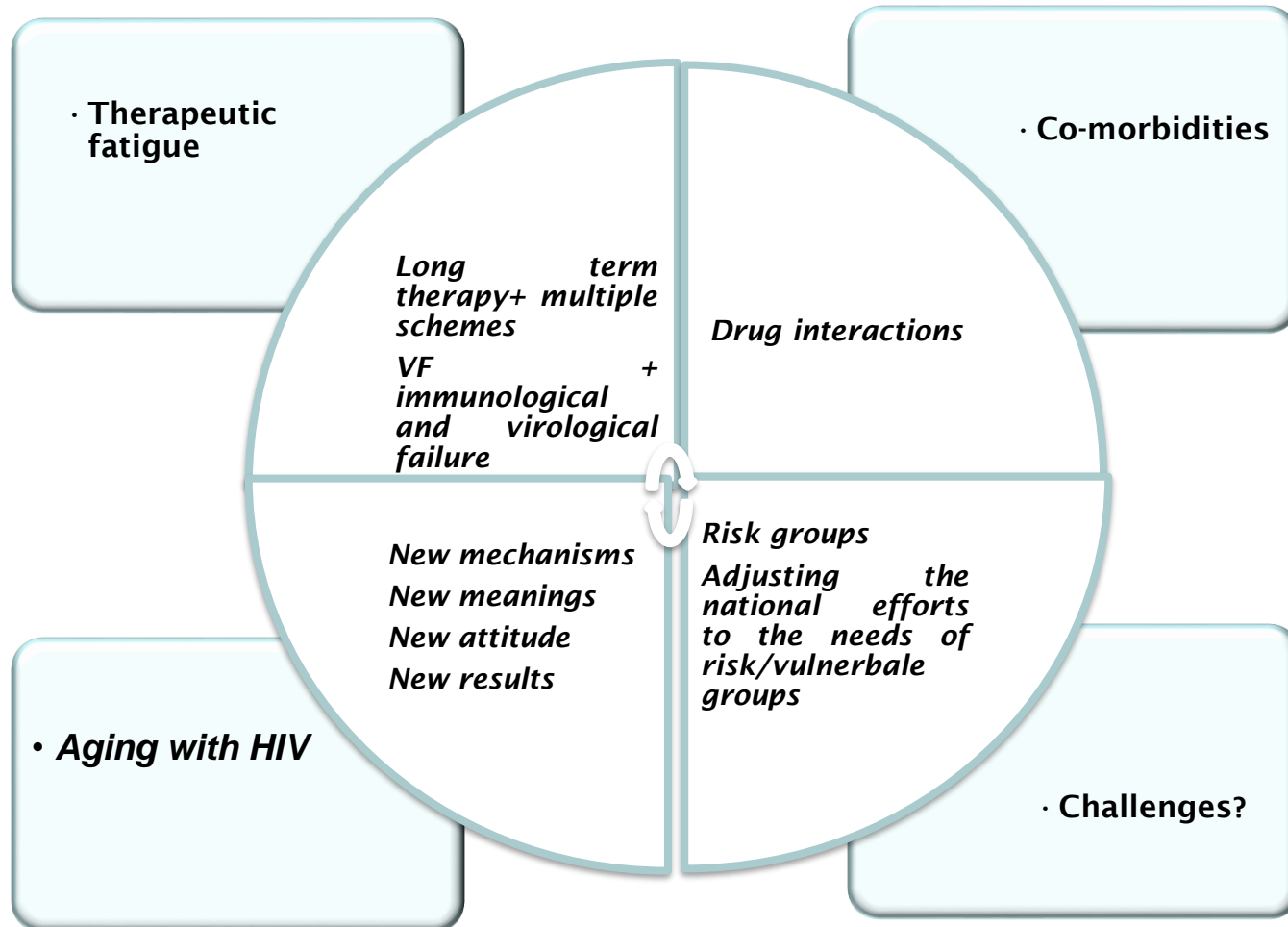
### Percent of people living with HIV receiving ART



# Current standards of care and perspectives related to HIV infection in Romania



# Current standards of care and perspectives related to HIV infection in Romania



# **HIV/AIDS Phenomenon in the world**

UNAIDS  
**PARIS DECLARATION**  
1 December 2014

**FAST -- TRACK CITIES: ENDING THE AIDS EPIDEMIC**

Cities Achieving 90-90-90 Targets by 2020

- **90%** of people living with HIV knowing their HIV status.
- 
- **90%** of people who know their HIV-positive status on treatment.
- **90%** of people on treatment with suppressed viral loads.

# Global summary of the AIDS epidemic | 2017

## Number of people living with HIV

Total	36.9 million [31.1 million–43.9 million]
Adults	
Women (15+ years)	35.1 million [29.6 million–41.7 million]
Children (<15 years)	18.2 million [15.6 million–21.4 million]

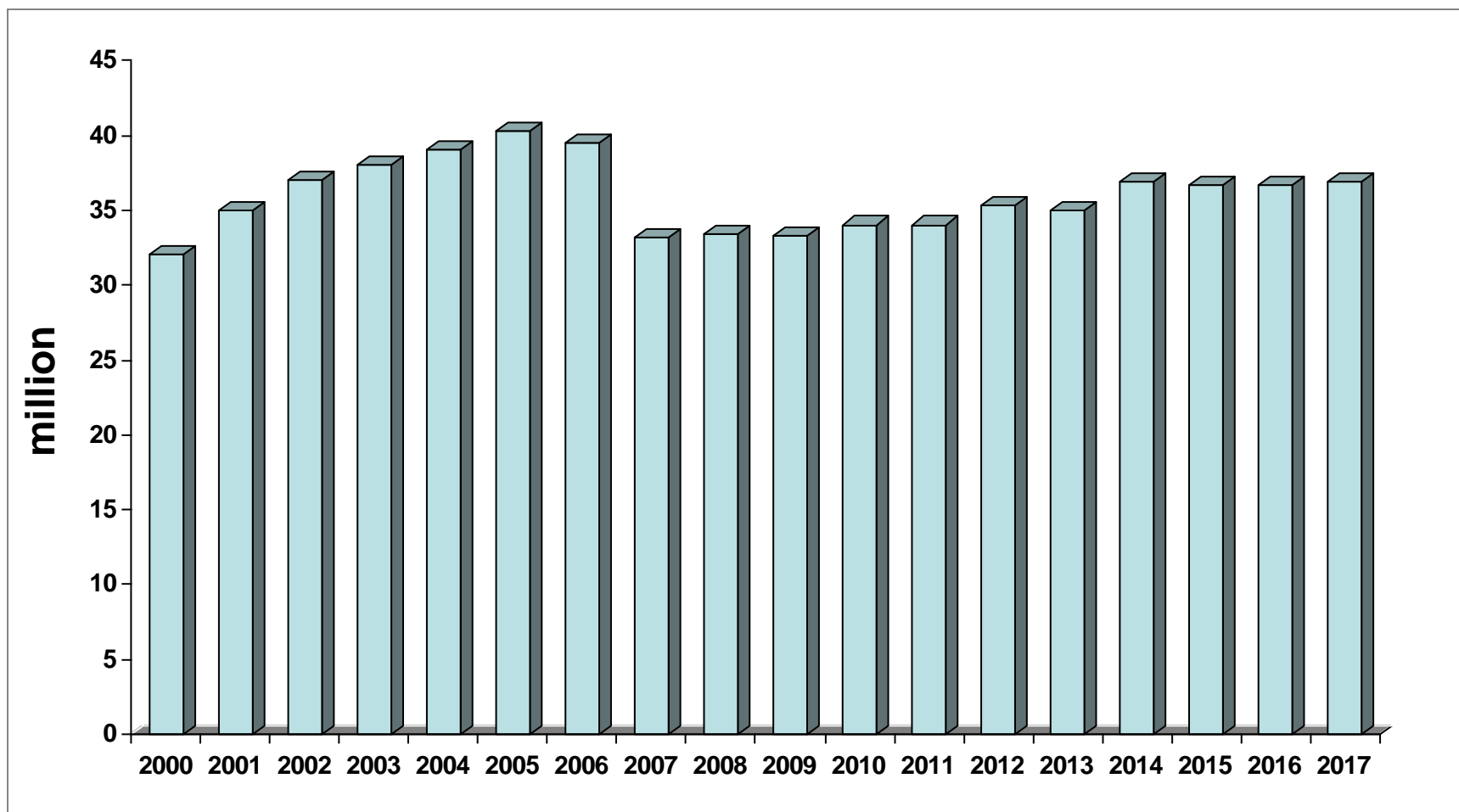
## People newly infected with HIV in 2017

Total	1.8 million [1.3 million–2.4 million]
Adults	
Children (<15 years)	1.8 million [1.4 million–2.4 million]
	1.6 million [1.3 million–2.1 million]

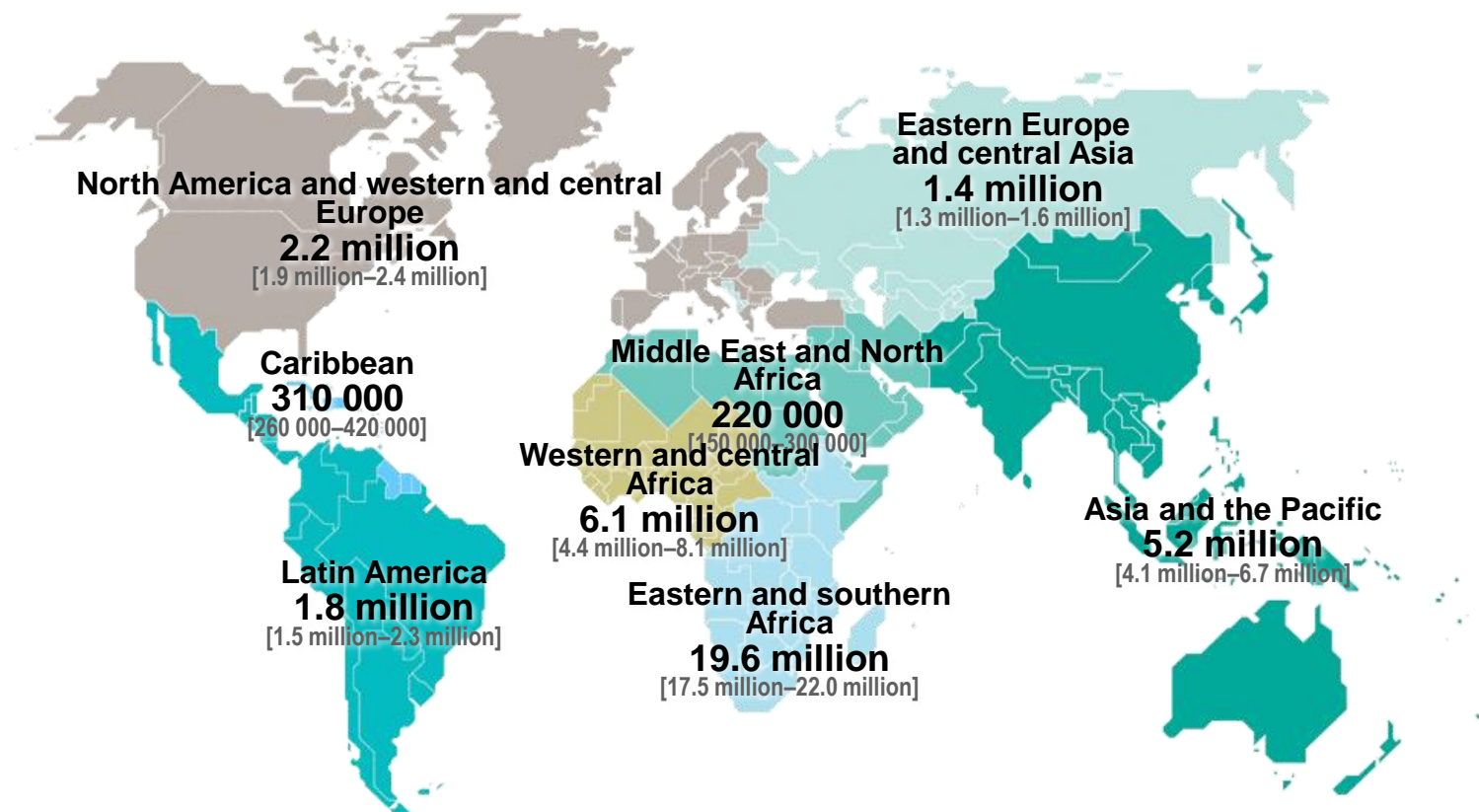
## AIDS-related deaths in 2017

Total	180 000 [110 000–260 000]
Adults	
Children (<15 years)	940 000 [670 000–1.3 million]
	830 000 [590 000–1.2 million]
	110 000 [63 000–160 000]

# Estimates on the numbers of PLWHA 2000-2017



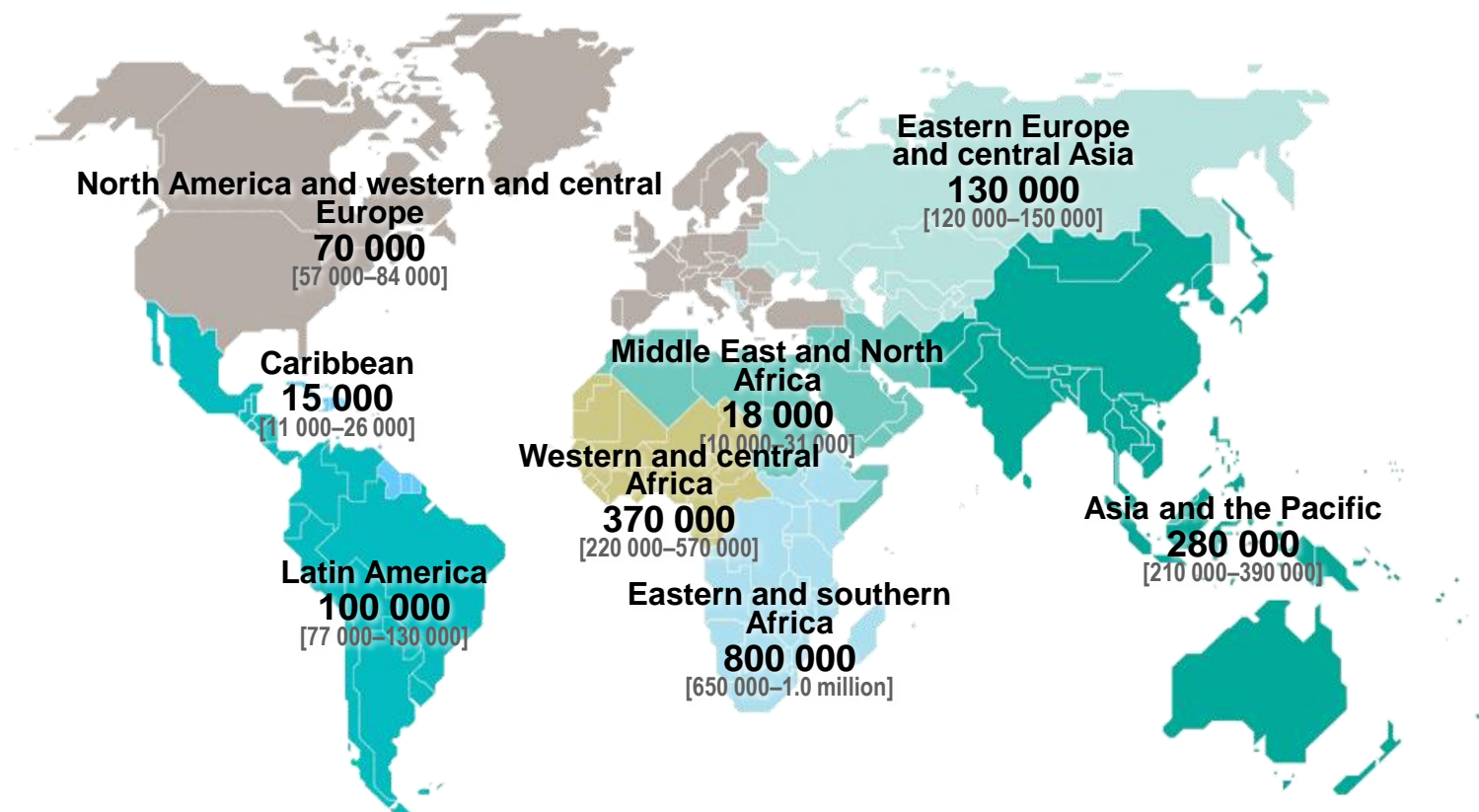
# Adults and children estimated to be living with HIV | 2017



**Total: 36.9 million** [31.1 million–43.9 million]

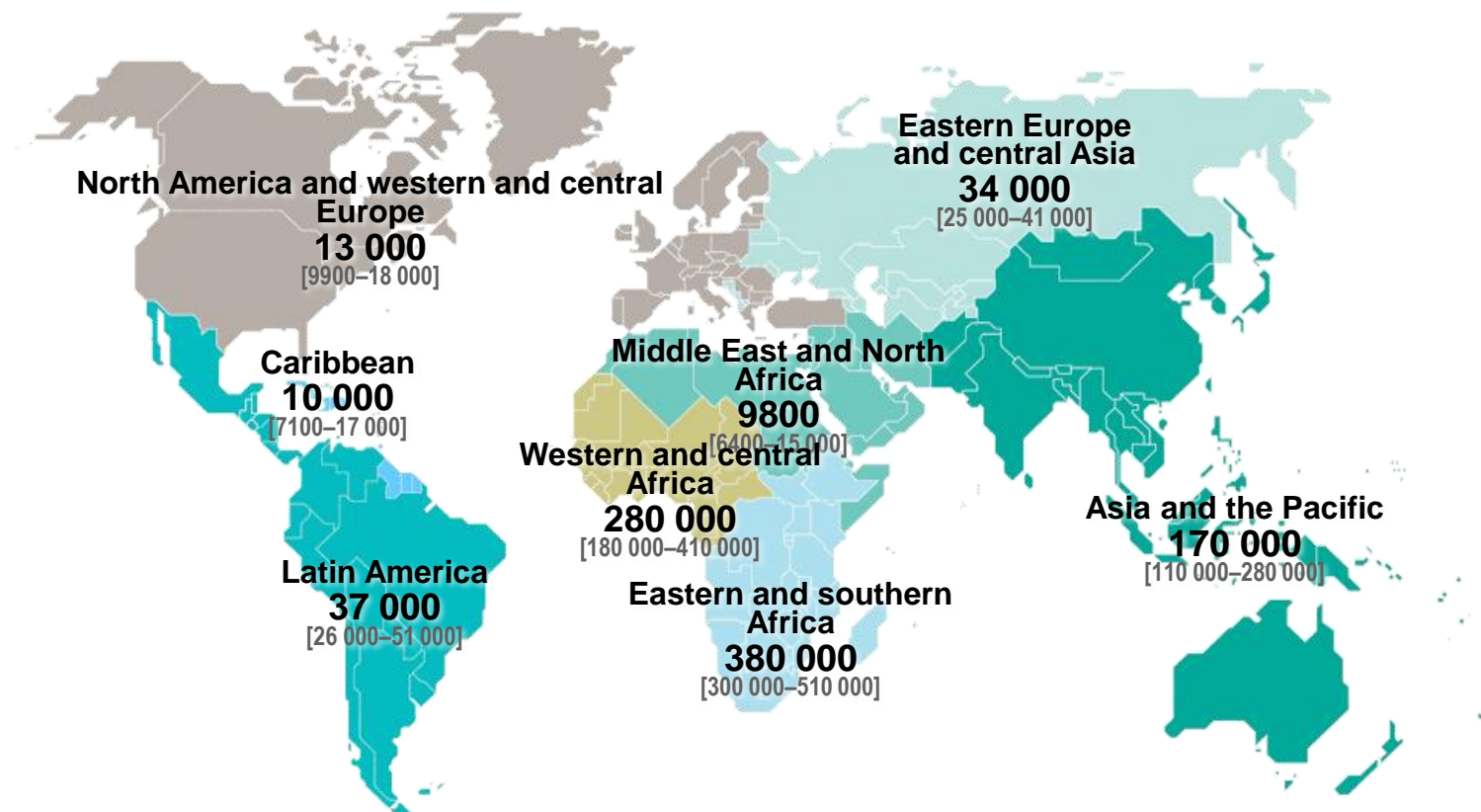


# Estimated number of adults and children newly infected with HIV 2017



**Total: 1.8 million** [1.4 million–2.4 million]

## Estimated adult and child deaths from AIDS | 2017



**Total: 940 000** [670 000–1.3 million]

## Global estimates for children (<15 years) | 2017

<b>Children living with HIV</b>	1.8 million [1.3 million–2.4 million]
<b>New HIV infections in 2017</b>	180 000 [110 000–260 000]
<b>AIDS-related deaths in 2017</b>	110 000 [63 000–160 000]

# **About 5000 new HIV infections (adults and children) a day | 2017**

- **About 66% are in sub-Saharan Africa**
- **About 500 are among children under 15 years of age**
- **About 4400 are among adults aged 15 years and older, of whom:**
  - **almost 43% are among women**
  - **about 33% are among young people (15–24)**
  - **about 19% are among young women (15–24)**

# Regional HIV and AIDS statistics and features | 2017

	Adults and children living with HIV	Adults and children newly infected with HIV	Adult and child deaths due to AIDS
<b>Eastern and southern Africa</b>	19.6 million [17.5 million–22.0 million]	800 000 [650 000–1.0 million]	380 000 [300 000–510 000]
<b>Western and central Africa</b>	6.1 million [4.4 million–8.1 million]	370 000 [220 000–570 000]	280 000 [180 000–410 000]
<b>Middle East and North Africa</b>	220 000 [150 000–300 000]	18 000 [10 000–31 000]	9800 [6400–15 000]
<b>Asia and the Pacific</b>	5.2 million [4.1 million–6.7 million]	280 000 [210 000–390 000]	170 000 [110 000–280 000]
<b>Latin America</b>	1.8 million [1.5 million–2.3 million]	100 000 [77 000–130 000]	37 000 [26 000–51 000]
<b>Caribbean</b>	310 000 [260 000–420 000]	15 000 [11 000–26 000]	10 000 [7100–17 000]
<b>Eastern Europe and central Asia</b>	1.4 million [1.3 million–1.6 million]	130 000 [120 000–150 000]	34 000 [25 000–41 000]
<b>Western and central Europe and North America</b>	2.2 million [1.9 million–2.4 million]	70 000 [57 000–84 000]	13 000 [9900–18 000]
<b>TOTAL</b>	36.9 million [31.1 million–43.9 million]	1.8 million [1.4 million–2.4 million]	940 000 [670 000–1.3 million]

The ranges around the estimates in this table define the boundaries within which the actual numbers lie, based on the best available information.

# Characteristics of HIV infection cases diagnosed in the WHO European Region in 2016, by geographical areas

	WHO European Region	West	Centre	East	EU/EEA countries
Reporting countries/no. of reporting countries*	50/53 (51/53)	23/23	15/15	12/15 (13/15)	31/31
Number of HIV infection cases	57 015 (160 453)	26 602	5772	24 641 (128 079)	29 444
Rate per 100.000 population	7.7 (18.2)	6.2	2.9	22.1 (50.2)	5.9
<b>% of cases:</b>					
15-24 age group	9.4%	10.2%	14.8%	7.1%	10.6%
Percentage age 50+ years	15.6%	19.6%	12.1%	12.2%	18.5%
Men/women ration	2.3	3.1	5.9	1.5	3.2
<b>Way of transmsion</b>					
Heterosexual	46.8%	32.9%	27.0%	66.4%	32.3%
MSM	23.9%	41.3%	29.9%	3.7%	40.1%
I.V. drugs	12.5%	2.9%	2.7%	25.2%	3.6%
MTCT	0.7%	0.5%	0.5%	0.9%	0.5%
Unknown	16.0%	22.1%	39.7%	3.8%	23.2%

\* No data received from Russia, Turkmenistan, Uzbekistan. All data presented were reported to ECDC/WHO through the European Surveillance System (TESSy), except for data for Russia which were obtained through the Russian Federal Scientific and Methodological Center for Prevention and Control of AIDS [1]. Russian data are included in the numbers in parentheses for the European Region and the East.

\*\* EU/EEA rate is adjusted for reporting delay (Annex 5), the corresponding estimated number of new diagnoses adjusted for reporting delay is 30 523

Source: HIV/AIDS Surveillance in Europe 2017;

[https://ecdc.europa.eu/sites/portal/files/documents/20171127-Annual\\_HIV\\_Report\\_Cover%2BInner.pdf](https://ecdc.europa.eu/sites/portal/files/documents/20171127-Annual_HIV_Report_Cover%2BInner.pdf)

# \*References

- UNAIDS, July 2018  
<http://www.unaids.org/en/resources/documents/2018/core-epidemiology-slides>
- HIV/AIDS Surveillance in Europe 2016, ECDC  
[www.ecdc.europa.eu](http://www.ecdc.europa.eu)  
[www.euro.who.int](http://www.euro.who.int)

# References

- Revised surveillance Case Definition for HIV Infection Among Adults, Adolescents, and Children Aged < 18 Months and for HIV Infection and AIDS Among Children Aged 18 Months to <13 years--- CDC, United States, 2008

<http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5710a1.htm>

- CASE DEFINITIONS OF COMMUNICABLE DISEASES

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:2002D0253:20120927:EN:PDF>

- The WHO case definition of HIV surveillance is available at:

<http://www.who.int/hiv/pub/vct/hivstaging/en/index.html>



# **CASE DEFINITIONS OF COMMUNICABLE DISEASES ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) AND HUMAN IMMUNODEFICIENCY VIRUS (HIV) INFECTION**

## **Clinical Criteria (AIDS)**

**Any person who has any of the clinical conditions as defined in the European AIDS case definition for:**

- Adults and adolescents  $\geq 15$  years**
- Children  $< 15$  years of age**

## **Laboratory Criteria (HIV)**

- Adults, adolescents and children aged  $\geq 18$  months**

**At least one of the following three:**

- Positive result of a HIV screening antibody test or a combined screening test (HIV antibody and HIV p24 antigen) confirmed by a more specific antibody test (e.g. Western blot)**
- Positive result of 2 EIA antibody test confirmed by a positive result of a further EIA test**
- Positive results on two separate specimens from at least one of the following three:**
  - Detection of HIV nucleic acid (HIV-RNA, HIV-DNA)**
  - Demonstration of HIV by HIV p24 antigen test, including neutralisation assay**
  - Isolation of HIV**
- Children aged  $< 18$  months**

**Positive results on two separate specimens (excluding cord blood) from at least one of the following three:**

- Isolation of HIV**
- Detection of HIV nucleic acid (HIV-RNA, HIV-DNA)**
- Demonstration of HIV by HIV p24 antigen test, including neutralisation assay in a child  $\geq 1$  month of age**

## **Epidemiological Criteria NA**

### **Case Classification**

**A. Possible case NA**

**B. Probable case NA**

**C. Confirmed case**

**— HIV infection**

**Any person meeting the laboratory criteria for HIV infection**

**— AIDS**

**Any person meeting the clinical criteria for AIDS and the laboratory criteria for HIV infection**



# **National Institute for Infectious Diseases “Prof Dr. Matei Bals” .**

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  - **Coordinator of the children’s programme:** **Sorin Petrea MD**
- Statistical data operators:**
- **PC operators :** **As.med. Marieta Iancu**  
**Daniela Vițelaru**  
**Sanda Vintilă**
  - **Colaborators** **Ionel Iosif, MD – CNSCBT**