



ISTARE: donor vigilance

The Working Group

***C. Politis (Greece), P. Renaudier (France), C. Richardson (Greece),
P. Robillard (Quebec-Canada), J. Wiersum (The Netherlands)***

Aim of ISTARE

To provide an international tool for reporting and analyzing **all adverse reactions (ARs) and events (AEs)** associated with the donation and transfusion of blood components, irrespective of their severity

Specify if adverse events related to autologous donations are included in the tables: Yes No Unknown

Whole Blood and Aphaeresis Donations All Donations

Category	Number of cases-Whole blood				Number of cases-Aphaeresis				Total
	Mild ?	Moderate ?	Severe ?	Subtotal	Mild ?	Moderate ?	Severe ?	Subtotal	
Haematoma ?	340	24	10	374	33	7		40	414
Arterial puncture ?	10		8	18					18
Delayed bleeding ?									
Painful arm* ?	4	1	1	6					6
Localised infection									
Thrombophlebitis ?									
Total number local symptoms ?	354	25	19	398	33	7		40	438
VV R Immediate type ?	4005	795	29	4829					4829
VV R Immediate, accident ?	19		2	21					21
VV R Delayed type ?	211	42		253					253
VV R Delayed, accident ?									
Total no. Vaso-Vagal Reactions ?	4235	837	31	5103					5103
Citrate reaction					129			129	129
Haemolysis									
Generalised allergic reaction	2			2					2
Air embolism									
Other	407	5	14	426					426
Total	4998	867	64	5929	162	7		169	6098

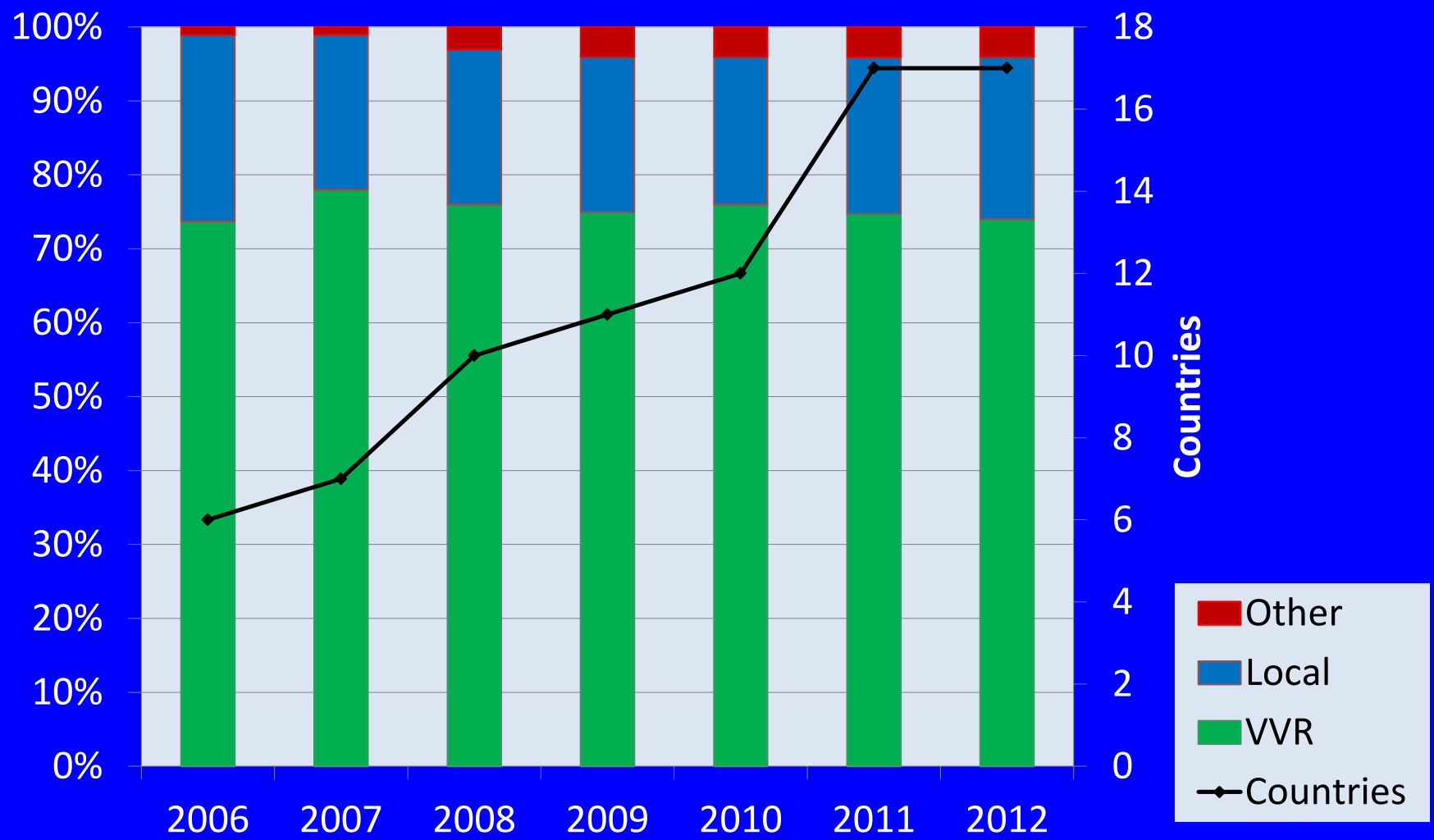
*Painful arm included tendon and nerve injury and irritation

VV R = vasovagal reaction

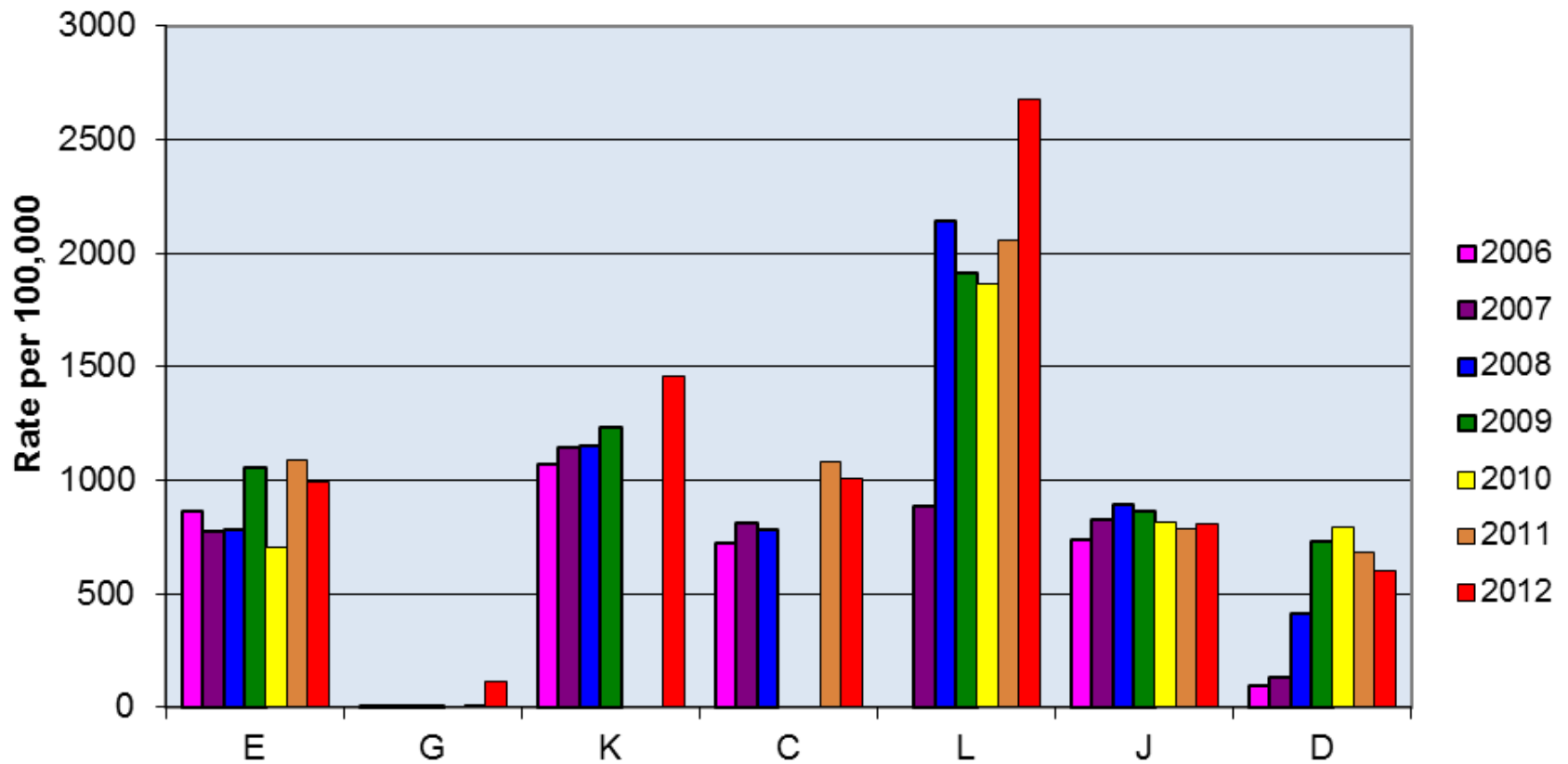


Total N = 95.8 million donations
588389 donation complications = 0.63%

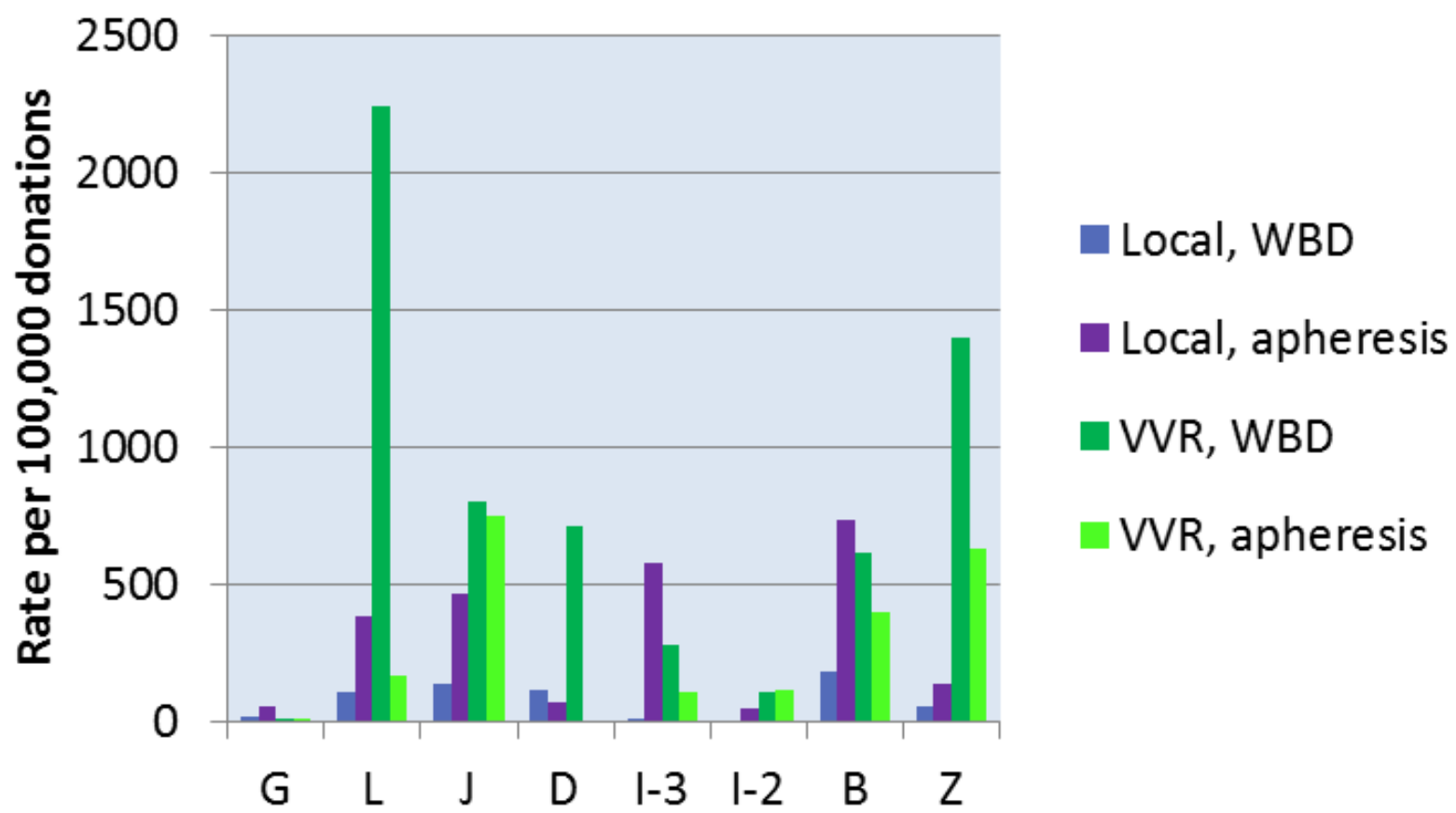
Donor complications



Vasovagal reactions (total)



Complications and procedure type



Donation complications per type, 2012

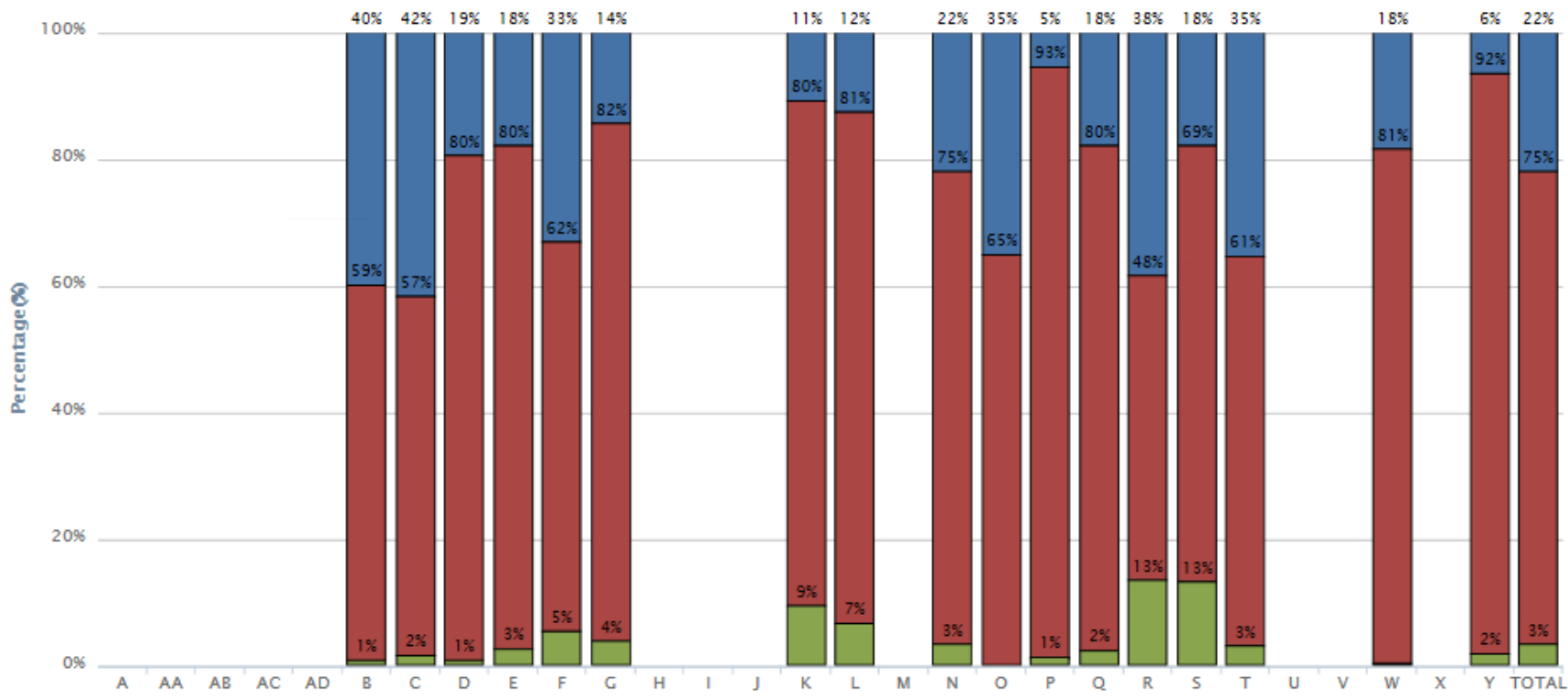
type | by Severity | Whole Blood | Aphaeresis

Selected years: 2006 2007 2008 2009 2010 2012 2013

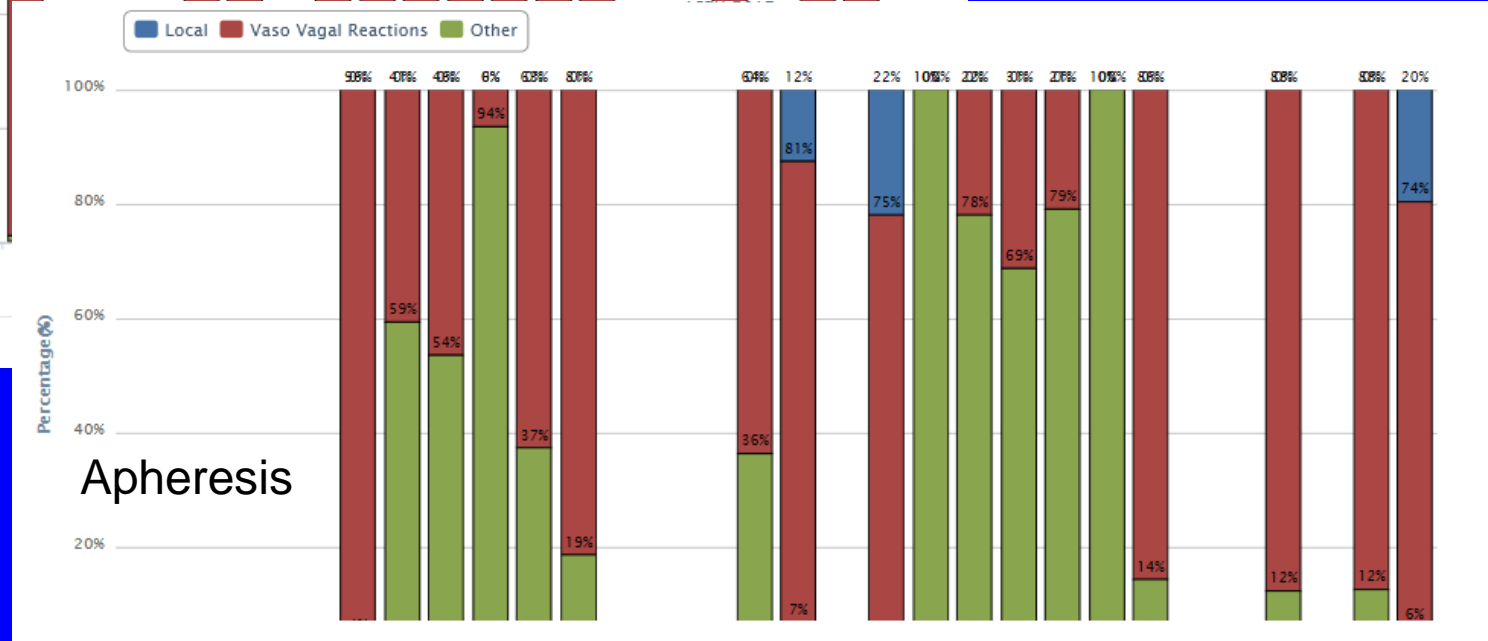
Donor Complications
Year: 2012



Local Vaso Vagal Reactions Other



Donation complications by collection type

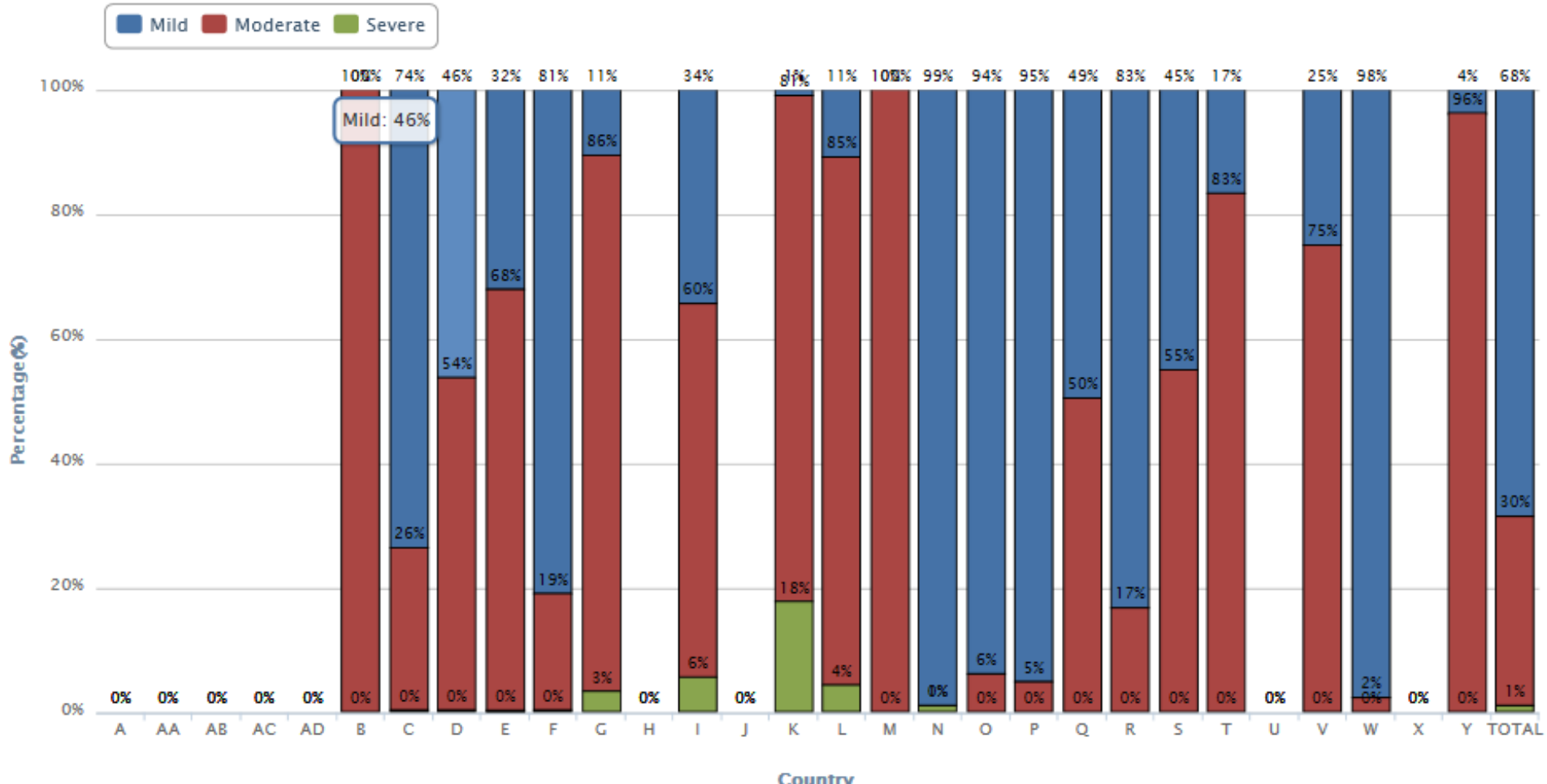




Donation complications by severity

Index Reports Forms Charts User Info

Years: 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013



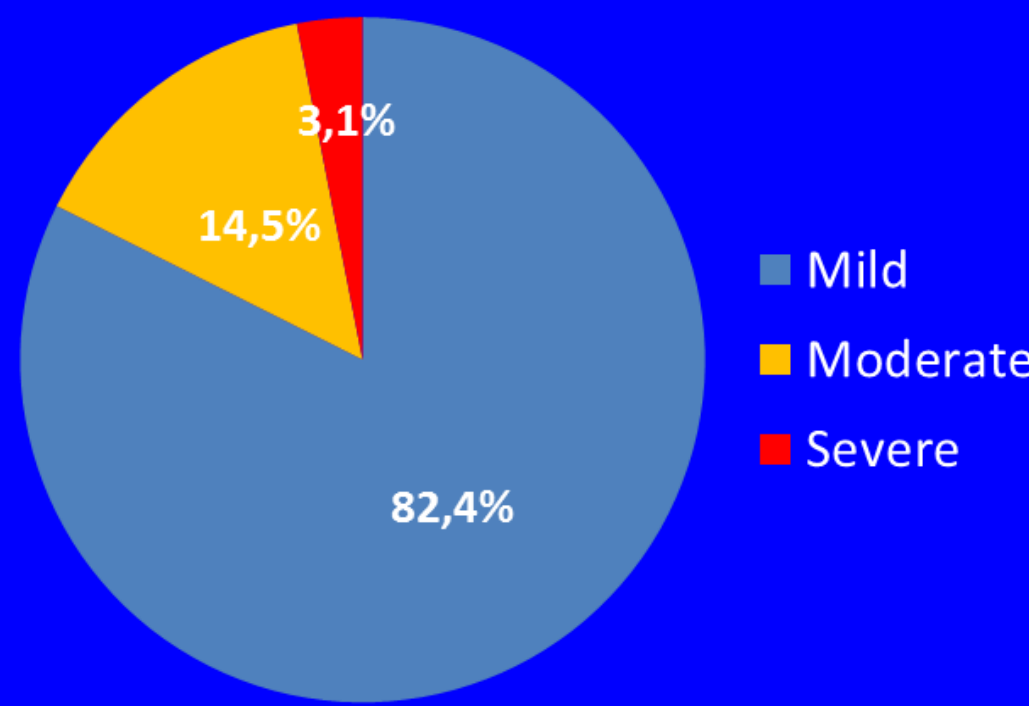
Donation complications, 2012

(n= 120313)

Analysis by type

Haematoma	19544	16.4%
Arterial puncture	243	0.20%
Delayed bleeding	294	0.25%
Painful arm	4764	4.00%
localised infection	46	0.04%
thrombophlebitis	47	0.04%
VVR Immediate type	86203	72.4%
VVR Immediate , accident	703	0.59%
VVR Delayed type	4724	3.97%
VVR Delayed, accident	237	0.20%
Citrate reaction	2231	1.87%
Haemolysis	0	0.00%
Generalised allergic R	29	0.02%
Air embolism	2	0.00%
Other	2235	1.88%

Analysis by severity



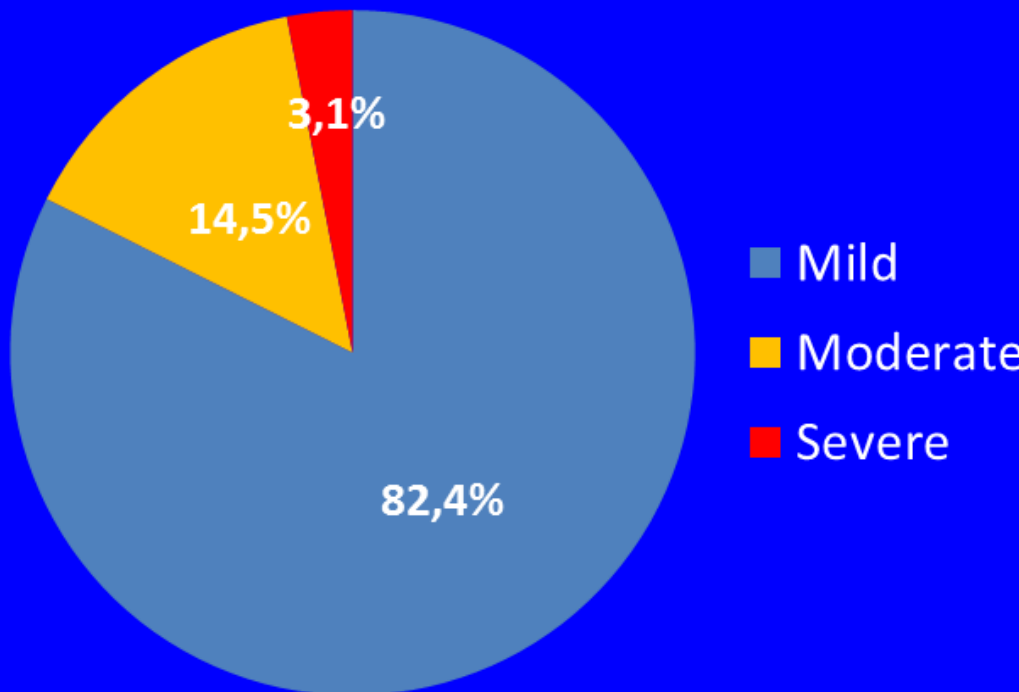


Donation complications, 2012 (n= 120313)

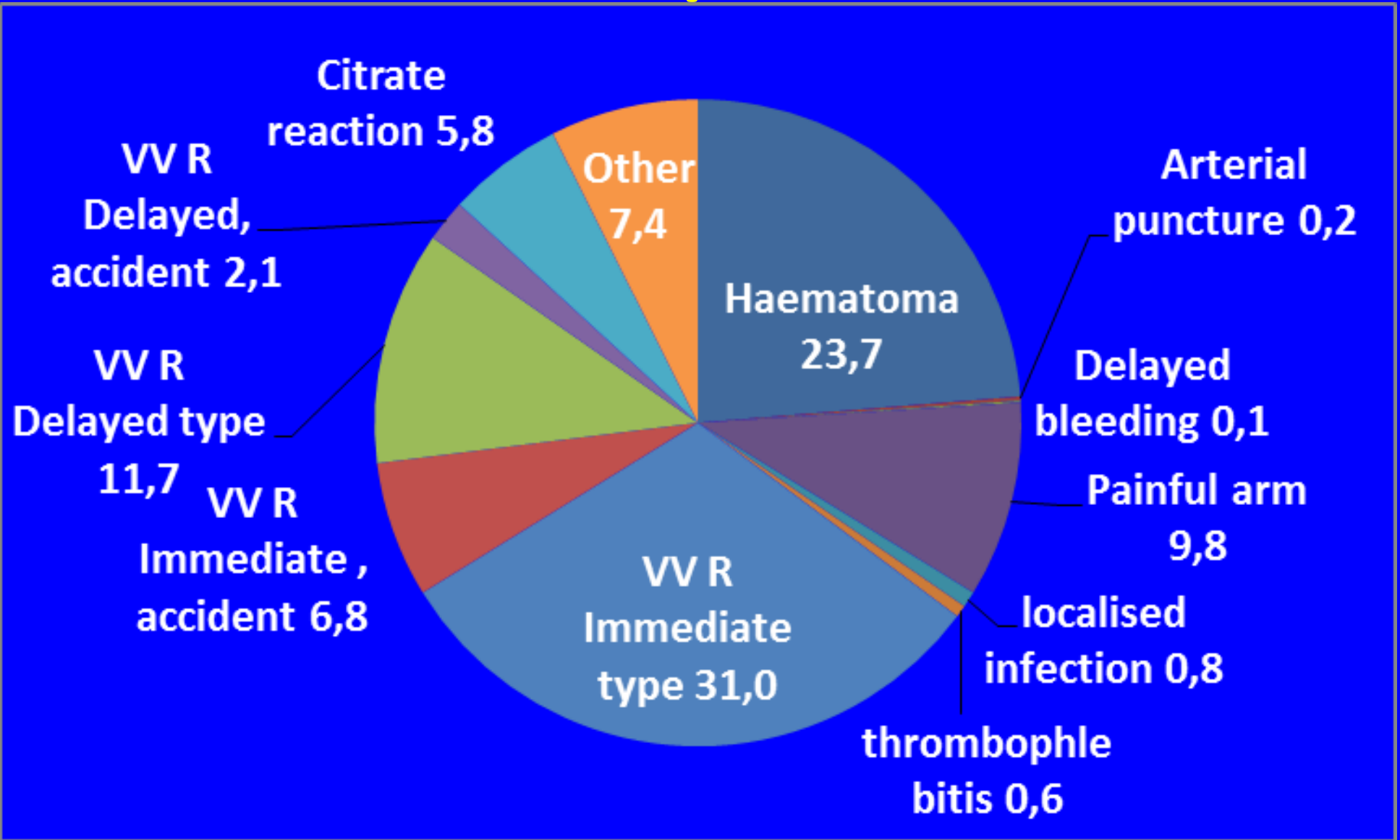
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Analysis by severity



Severe donor complications, 2012





Summary

- Variation in rates
- Variation in severity assessment
- Not all countries can break down between whole blood donation and apheresis donations
- Shows up rare complications and serious complications



Next steps

- Technical maintenance and hosting
- Improvements and further development
 - 2013: help facility
 - 2013 Improve export of data
 - 2013 More charts
 - Self calculated totals
- Improve accessibility
 - Own data next to others'
- Strengthen possibilities for analysis

***Special thanks to all correspondents
who provided data
for their countries or regions***

**And to IHN Secretariat
SKAE staff**

Michael Sarantinos & Steficon SA

as well as former inspirational leaders

Rene de Vries

Jan Jorgensen