







Indian

Immunohematology Initiative

 The goal of III is to improve the safety of blood transfusion in India by promoting implementation of up-todate immunohematologic testing methods.

BLOODCENTER

PART OF VERSIT







		2016		
Population, est.	1,111,713,910	1,326,801,576		
Birth Rate/1,000	22	20 41.8		
Infant Mortality Rate/1,000	54.6			
Life Expectancy	64.7	68		

















Accreditation

 The National Accreditation Board for Hospitals and Healthcare Providers (NABH), an arm of Quality Council of India (QCI), launched its accreditation standard programme for blood banks and transfusion services on January 25, 2008.

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- 1,126 NACO, Ministry of Health and Family Welfare (MoHFW) supported blood (~39.8% of total blood banks)
 - 79% (867) owned by public sector
 - 21% (234) owned by non-profit sector such as non-governmental/non profit, charitable trusts, societies, foundations

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Lions Blood Bank 2011-2014 Unpublished Data courtesy of P. Shrivastava										
	Single Ab N-412	Multiple Ab N-206	Total Ab N-618	% of Total N-618		Single Ab	Multiple Abs	Total	% of Total N-618	
-D	149	25	174	28.2 %	-Fy ^a	08	04	12	1.94 %	
-C	06	27	33	5.33 %	-Fy ^b	0	06	06	0.97 %	
-C	16	31	47	7.60 %	-M	32	08	40	6.47 %	
-E	63	53	116	18.8 %	-N	09	04	13	2.10 %	
-е	02	0	02	0.32 %	-S	08	04	12	1.94 %	
-K	13	14	27	4.36 %	-S	04	0	04	0.64 %	
-Le ^a	57	8	65	10.5 %	-C ^w	0	05	05	0.80 %	
-Le ^b	28	1	29	4.70 %	-Xg ^a	01	00	01	0.16 %	
-Jk ^a	04	12	16	2.60 %	-H	04	0	01	0.64 %	
-Jk ^b	04	03	07	1.15 %	others	06	0	06	0.96 %	

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Points to Ponder

- Indian Studies on alloantibodies few, mainly focused on Thalassemia, multitransfused or antenatal patients
- This study covers the general patient population of Delhi and alloantibody prevalence is ~ 1%
- Need for improving IH practices

Points to Ponder

Dr. Poonam Shrivastava's Thoughts

- A Robust Rh D Immunisation Programme is needed
- Clinically significant antibodies identified and the problems of many patients who had been denied transfusion earlier from other facilities, were solved!











Challenges Today

- Too many blood banks
- Resources
 - Expense of reagents
- Physician education
- Laboratory Scientist clinical training
- Politics in business
- Enforcement of standards for sustainable improvement

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