

## Data Summaries by Chapter

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## Chapter 6: Incorrect Blood Component Transfused (IBCT) – Wrong Component Transfused (WCT)

DATA SUMMARY – IBCT-WCT							
Total number of cases: n=82							
Implicated components				Mortality/morbidity			
Red cells		59	Deaths <i>definitely</i> due to transfusion		0		
Fresh frozen plasma		6	Deaths <i>probably/likely</i> due to transfusion		1		
Platelets		8	Deaths <i>possibly</i> due to transfusion		0		
Cryoprecipitate		2	Major morbidity		4		
Granulocytes		0	Potential for major morbidity ( <i>Anti-D or K only</i> )		2		
Anti-D Ig		0					
Multiple components		7					
Unknown		0					
Gender		Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place	
Male	46	≥ 18 years	54	Emergency	16	Emergency department	3
Female	31	16 years to <18 years	0	Urgent	17	Theatre	9
Not known	5	1 year to <16 years	4	Routine	42	ITU/NNU/HDU/recovery	14
		>28 days to <1 year	4	Not known	7	Wards	40
		Birth to ≤28 days	13			Delivery ward	2
		Not known	7	In core hours	38	Postnatal	2
				Out of core hours	17	Medical assessment unit	2
				Not known/not applicable	27	Community	0
						Outpatient/day unit	4
						Hospice	0
						Antenatal clinic	0
						Obstetrics	0
						Other/unknown	6

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 6: Incorrect Blood Component Transfused (IBCT) – Specific Requirements Not Met (SRNM)

**DATA SUMMARY – IBCT-SRNM**  
Total number of cases: n=198

Implicated components		Mortality/morbidity	
Red cells	155	Deaths <i>definitely</i> due to transfusion	0
Fresh frozen plasma	14	Deaths <i>probably/likely</i> due to transfusion	0
Platelets	16	Deaths <i>possibly</i> due to transfusion	0
Cryoprecipitate	1	Major morbidity	5
Granulocytes	1	Potential for major morbidity ( <i>Anti-D or K only</i> )	4
Anti-D Ig	0		
Multiple components	10		
Unknown	1		
Gender	Age	Emergency vs. routine and core hours vs. out of core hours	Where transfusion took place
Male 107	≥ 18 years 158	Emergency 21	Emergency department 15
Female 87	16 years to <18 years 7	Urgent 50	Theatre 12
Not known 4	1 year to <16 years 12	Routine 107	ITU/NNU/HDU/recovery 19
	>28 days to <1 year 7	Not known 20	Wards 102
	Birth to ≤28 days 7		Delivery ward 3
	Not known 7	In core hours 92	Postnatal 1
		Out of core hours 31	Medical assessment unit 8
		Not known/not applicable 75	Community 1
			Outpatient/day unit 11
			Hospice 1
			Antenatal clinic 0
			Obstetrics 0
			Other/unknown 25

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 7: Avoidable, Delayed or Undertransfusion (ADU)

### DATA SUMMARY

Total number of cases: n=241

Implicated components		Mortality/morbidity	
Red cells	190	Deaths <i>definitely</i> due to transfusion	1
Fresh frozen plasma	6	Deaths <i>probably/likely</i> due to transfusion	4
Platelets	30	Deaths <i>possibly</i> due to transfusion	1
Cryoprecipitate	4	Major morbidity	5
Granulocytes	0	Potential for major morbidity ( <i>Anti-D or K only</i> )	0
Anti-D Ig	0		
Multiple components	7		
Unknown	4		

  

Gender	Age	Emergency vs. routine and core hours vs. out of core hours	Where transfusion took place
Male 104	≥ 18 years 194	Emergency 61	Emergency department 28
Female 131	16 years to <18 years 2	Urgent 71	Theatre 30
Not known 6	1 year to <16 years 18	Routine 93	ITU/NNU/HDU/recovery 30
	>28 days to <1 year 8	Not known 16	Wards 104
	Birth to ≤28 days 14		Delivery ward 5
	Not known 5	In core hours 110	Postnatal 4
		Out of core hours 55	Medical assessment unit 14
		Not known/not applicable 76	Community 2
			Outpatient/day unit 5
			Hospice 0
			Antenatal clinic 0
			Obstetrics 0
			Other/unknown 19

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 8: Near Miss Reporting (NM)

### DATA SUMMARY

Total number of cases: n=1243

Implicated components		Mortality/morbidity	
Not specified	1243	Deaths <i>definitely</i> due to transfusion	0
		Deaths <i>probably/likely</i> due to transfusion	0
		Deaths <i>possibly</i> due to transfusion	0
		Major morbidity	0
		Potential for major morbidity ( <i>Anti-D or K only</i> )	0
Gender		Emergency vs. routine and core hours vs. out of core hours	
Age		Where transfusion took place	
Male	483	≥ 18 years	1055
Female	718	16 years to <18 years	4
Not known	42	1 year to <16 years	23
		>28 days to <1 year	20
		Birth to ≤28 days	50
		Not known	91
		Emergency	0
		Urgent	0
		Routine	0
		Not known	1243
		In core hours	638
		Out of core hours	224
		Not known/not applicable	381
		Emergency department	119
		Theatre	24
		ITU/NNU/HDU/recovery	43
		Wards	449
		Delivery ward	5
		Postnatal	0
		Medical assessment unit	22
		Community	24
		Outpatient/day unit	71
		Hospice	1
		Antenatal clinic	64
		Hospital transfusion laboratory	283
		Obstetrics	127
		Other/unknown	11

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 9 & 21: Anti-D Ig Incidents

DATA SUMMARY					
Total number of cases: n=350					
Implicated components				Mortality/morbidity	
Red cells		0	Deaths <i>definitely</i> due to transfusion		0
Fresh frozen plasma		0	Deaths <i>probably/likely</i> due to transfusion		1
Platelets		0	Deaths <i>possibly</i> due to transfusion		0
Cryoprecipitate		0	Major morbidity		3
Granulocytes		0	Potential for major morbidity ( <i>Anti-D or K only</i> )		268
Anti-D Ig		350			
Multiple components		0			
Unknown		0			
Gender	Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place
Male	0	≥ 18 years	348	Emergency	0
Female	350	16 years to <18 years	0	Urgent	0
Not known	0	1 year to <16 years	1	Routine	0
		>28 days to <1 year	0	Not known	350
		Birth to ≤28 days	1		
		Not known	0	In core hours	172
				Out of core hours	29
				Not known/not applicable	149

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 11: Acute Transfusion Reaction (ATR)

DATA SUMMARY					
Total number of cases: n=296					
Implicated components				Mortality/morbidity	
Red cells		143	Deaths <i>definitely</i> due to transfusion		0
Fresh frozen plasma		20	Deaths <i>probably/likely</i> due to transfusion		0
Platelets		105	Deaths <i>possibly</i> due to transfusion		0
Cryoprecipitate		4	Major morbidity		86
Granulocytes		2	Potential for major morbidity ( <i>Anti-D or K only</i> )		0
Anti-D Ig		0			
Multiple components		22			
Unknown		0			
Gender		Age		Emergency vs. routine and core hours vs. out of core hours	
Male	155	≥ 18 years	267	Emergency	16
Female	140	16 years to <18 years	3	Urgent	57
Not known	1	1 year to <16 years	22	Routine	210
		>28 days to <1 year	0	Not known	13
		Birth to ≤28 days	1		
		Not known	3	In core hours	164
				Out of core hours	58
				Not known/Not applicable	74
			</		

ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit

## Chapter 13a & 24: Transfusion-Related Acute Lung Injury (TRALI)

DATA SUMMARY							
Total number of cases: n=10							
Implicated components (with concordant antibodies)				Mortality/morbidity			
Red cells		2		Deaths <i>definitely</i> due to transfusion		0	
Fresh frozen plasma		0		Deaths <i>probably/likely</i> due to transfusion		1	
Platelets		1		Deaths <i>possibly</i> due to transfusion		3	
Cryoprecipitate		1		Major morbidity		4	
Granulocytes		0		Potential for major morbidity ( <i>Anti-D or K only</i> )		0	
Anti-D Ig		0					
Multiple components		1					
No concordant antibodies identified		6					
Gender		Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place	
Male	8	≥ 18 years	9	Emergency	1	Emergency department	0
Female	2	16 years to <18 years	0	Urgent	3	Theatre	0
Not known	0	1 year to <16 years	1	Routine	6	ITU/NNU/HDU/recovery	5
		>28 days to <1 year	0	Not known	0	Wards	5
		Birth to ≤28 days	0			Delivery ward	0
		Not known	0	In core hours	4	Postnatal	0
				Out of core hours	5	Medical assessment unit	0
				Not known/not applicable	1	Community	0
						Outpatient/day unit	0
						Hospice	0
						Antenatal clinic	0
						Other	0
						Unknown	0

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)



## Chapter 13b: Transfusion-Associated Circulatory Overload (TACO)

DATA SUMMARY					
Total number of cases: n=89					
Implicated components			Mortality/morbidity		
Red cells	74		Deaths <i>definitely</i> due to transfusion	0	
Fresh frozen plasma	5		Deaths <i>probably/likely</i> due to transfusion	2	
Platelets	2		Deaths <i>possibly</i> due to transfusion	5	
Cryoprecipitate	0		Major morbidity	34	
Granulocytes	0		Potential for major morbidity ( <i>Anti-D or K only</i> )	0	
Anti-D Ig	0				
Multiple components	8				
Unknown					
Gender	Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place
Male 40	≥ 18 years	84	Emergency 9		Emergency department 4
Female 49	16 years to <18 years	1	Urgent 31		Theatre 3
Not known 0	1 year to <16 years	1	Routine 42		ITU/NNU/HDU/recovery 13
	>28 days to <1 year	1	Not known 7		Wards 46
	Birth to ≤28 days	2			Delivery ward 1
	Not known	0	In core hours 37		Postnatal 0
			Out of core hours 34		Medical assessment unit 13
			Not known/not applicable 18		Community 2
					Outpatient/day unit 2
					Hospice 0
					Antenatal clinic 0
					Other 5
					Unknown 0

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 13c: Transfusion-Associated Dyspnoea (TAD)

### DATA SUMMARY

Total number of cases: n=3

Implicated components				Mortality/morbidity			
Red cells		2	Deaths <i>definitely</i> due to transfusion			0	
Fresh frozen plasma		0	Deaths <i>probably/likely</i> due to transfusion			0	
Platelets		1	Deaths <i>possibly</i> due to transfusion			0	
Cryoprecipitate		0	Major morbidity			0	
Granulocytes		0	Potential for major morbidity ( <i>Anti-D or K only</i> )			0	
Anti-D Ig		0					
Multiple components		0					
Unknown		0					
Gender		Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place	
Male	1	≥ 18 years	3	Emergency	0	Emergency department	0
Female	2	16 years to <18 years	0	Urgent	0	Theatre	0
Not known	0	1 year to <16 years	0	Routine	3	ITU/NNU/HDU/recovery	0
		>28 days to <1 year	0	Not known	0	Wards	3
		Birth to ≤28 days	0			Delivery ward	0
		Not known	0	In core hours	2	Postnatal	0
				Out of core hours	0	Medical assessment unit	0
				Not known/not applicable	1	Community	0
						Outpatient/day unit	0
						Hospice	0
						Antenatal clinic	0
						Other	0
						Unknown	0

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 14: Haemolytic Transfusion Reaction (HTR)

DATA SUMMARY							
Total number of cases: n=59							
Implicated components				Mortality/morbidity			
Red cells		56	Deaths <i>definitely</i> due to transfusion		1		
Fresh frozen plasma		0	Deaths <i>probably/likely</i> due to transfusion		0		
Platelets		1	Deaths <i>possibly</i> due to transfusion		2		
Cryoprecipitate		0	Major morbidity		17		
Granulocytes		0	Potential for major morbidity ( <i>Anti-D or K only</i> )		0		
Anti-D Ig		0					
Multiple components		1					
Unknown		1					
Gender		Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place	
Male	17	≥ 18 years	52	Emergency	6	Emergency department	4
Female	42	16 years to <18 years	0	Urgent	16	Theatre	3
Not known	0	1 year to <16 years	6	Routine	33	ITU/NNU/HDU/recovery	7
		>28 days to <1 year	0	Not known	4	Wards	31
		Birth to ≤28 days	0			Delivery ward	1
		Not known	1	In core hours	25	Postnatal	0
				Out of core hours	11	Medical assessment unit	2
				Not known/Not applicable	23	Community	0
						Outpatient/day unit	6
						Hospice	0
						Antenatal clinic	0
						Other	5
						Unknown	0

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 15: New or Unclassified Complication of Transfusion (UCT)

DATA SUMMARY							
Total number of cases: n=14							
Implicated components				Mortality/morbidity			
Red cells		12		Deaths <i>definitely</i> due to transfusion		0	
Fresh frozen plasma		0		Deaths <i>probably/likely</i> due to transfusion		0	
Platelets		0		Deaths <i>possibly</i> due to transfusion		3	
Cryoprecipitate		0		Major morbidity		3	
Granulocytes		1		Potential for major morbidity ( <i>Anti-D or K only</i> )		0	
Anti-D Ig		0					
Multiple components		0					
Unknown		1					
Gender		Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place	
Male	7	≥ 18 years	7	Emergency	1	Emergency department	0
Female	7	16 years to <18 years	0	Urgent	7	Theatre	0
Not known	0	1 year to <16 years	1	Routine	4	ITU/NNU/HDU/recovery	7
		>28 days to <1 year	5	Not known	2	Wards	3
		Birth to ≤28 days	1			Delivery ward	0
		Not known	0	In core hours	6	Postnatal	0
				Out of core hours	4	Medical assessment unit	0
				Not known/not applicable	4	Community	0
						Outpatient/day unit	0
						Hospice	0
						Antenatal clinic	0
						Other	4
						Unknown	0

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 19: Right Blood Right Patient (RBRP)

### DATA SUMMARY

Total number of cases: n=187

Implicated components		Mortality/morbidity	
Red cells	150	Deaths <i>definitely</i> due to transfusion	0
Fresh frozen plasma	9	Deaths <i>probably/likely</i> due to transfusion	0
Platelets	15	Deaths <i>possibly</i> due to transfusion	0
Cryoprecipitate	1	Major morbidity	0
Granulocytes	1	Potential for major morbidity ( <i>Anti-D or K only</i> )	0
Anti-D Ig	0		
Multiple components	10		
Unknown	1		
Gender	Age	Emergency vs. routine and core hours vs. out of core hours	Where transfusion took place
Male 98	≥ 18 years 163	Emergency 35	Emergency department 19
Female 82	16 years to <18 years 1	Urgent 38	Theatre 11
Not known 7	1 year to <16 years 3	Routine 95	ITU/NNU/HDU/recovery 27
	>28 days to <1 year 5	Not known 19	Wards 79
	Birth to ≤28 days 6		Delivery ward 2
	Not known 9	In core hours 93	Postnatal 3
		Out of core hours 34	Medical assessment unit 20
		Not known/not applicable 60	Community 1
			Outpatient/day unit 8
			Hospice 2
			Antenatal clinic 0
			Other 12
			Unknown 3

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 20: Handling and Storage Errors (HSE)

DATA SUMMARY					
Total number of cases: n=254					
Implicated components			Mortality/morbidity		
Red cells	207		Deaths <i>definitely</i> due to transfusion		0
Fresh frozen plasma	18		Deaths <i>probably/likely</i> due to transfusion		0
Platelets	22		Deaths <i>possibly</i> due to transfusion		0
Cryoprecipitate	5		Major morbidity		0
Granulocytes	0		Potential for major morbidity ( <i>Anti-D or K only</i> )		0
Anti-D Ig	0				
Multiple components	2				
Unknown	0				
Gender	Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place
Male 104	≥ 18 years	215	Emergency 15		Emergency department 14
Female 129	16 years to <18 years	1	Urgent 54		Theatre 14
Not known 21	1 year to <16 years	9	Routine 125		ITU/NNU/HDU/recovery 21
	>28 days to <1 year	1	Not known 60		Wards 102
	Birth to ≤28 days	3			Delivery ward 3
	Not known	25	In core hours 106		Postnatal 0
			Out of core hours 71		Medical assessment unit 12
			Not known/not applicable 77		Community 5
					Outpatient/day unit 10
					Hospice 0
					Antenatal clinic 0
					Other 40
					Unknown 33

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 25: Post-Transfusion Purpura (PTP)

### DATA SUMMARY

Total number of cases: n=2

Implicated components				Mortality/morbidity			
Red cells		2	Deaths <i>definitely</i> due to transfusion			0	
Fresh Frozen Plasma		0	Deaths <i>probably/likely</i> due to transfusion			0	
Platelets		0	Deaths <i>possibly</i> due to transfusion			0	
Cryoprecipitate		0	Major morbidity			0	
Granulocytes		0	Potential for major morbidity ( <i>Anti-D or K only</i> )			0	
Anti-D Ig		0					
Multiple components		0					
Unknown		0					
Gender		Age	Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place		
Male	1	≥ 18 years	2	Emergency	1	Emergency Department	1
Female	1	16 years to <18 years	0	Urgent	0	Theatre	0
Not known	0	1 year to <16 years	0	Routine	1	ITU/NNU/HDU/Recovery	0
		>28 days to <1 year	0	Not known	0	Wards	0
		Birth to ≤28 days	0			Delivery Ward	0
		Not known	0	In core hours	1	Postnatal	0
				Out of core hours	0	Medical Assessment Unit	0
				Not known/Not applicable	1	Community	0
						Outpatient/day unit	1
						Hospice	0
						Antenatal Clinic	0
						Other	0
						Unknown	0

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)

## Chapter 26: Cell Salvage (CS)

DATA SUMMARY							
Total number of cases: n=20							
Implicated components				Mortality/morbidity			
Red cells		20		Deaths <i>definitely</i> due to transfusion		0	
Fresh Frozen Plasma		0		Deaths <i>probably/likely</i> due to transfusion		0	
Platelets		0		Deaths <i>possibly</i> due to transfusion		0	
Cryoprecipitate		0		Major morbidity		3	
Granulocytes		0		Potential for major morbidity ( <i>Anti-D or K only</i> )		0	
Anti-D Ig		0					
Multiple components		0					
Unknown		0					
Gender		Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place	
Male	7	≥ 18 years	18	Emergency	0	Emergency Department	0
Female	13	16 years to <18 years	0	Urgent	0	Theatre	0
Not known	0	1 year to <16 years	0	Routine	0	ITU/NNU/HDU/Recovery	0
		>28 days to <1 year	0	Not known	20	Wards	0
		Birth to ≤28 days	0			Delivery Ward	0
		Not known	2	In core hours	11	Postnatal	0
				Out of core hours	7	Medical Assessment Unit	0
				Not known/Not applicable	2	Community	0
						Outpatient/day unit	0
						Hospice	0
						Antenatal Clinic	0
						Other	0
						Unknown	20

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)



## Chapter 27: Alloimmunisation (Allo)

DATA SUMMARY							
Total number of cases: n=236							
Implicated components				Mortality/morbidity			
Red cells		235	Deaths <i>definitely</i> due to transfusion		0		
Fresh frozen plasma		0	Deaths <i>probably/likely</i> due to transfusion		0		
Platelets		0	Deaths <i>possibly</i> due to transfusion		0		
Cryoprecipitate		0	Major morbidity		0		
Granulocytes		0	Potential for major morbidity ( <i>Anti-D or K only</i> )		0		
Anti-D Ig		0					
Multiple components		1					
Unknown		0					
Gender		Age		Emergency vs. routine and core hours vs. out of core hours		Where transfusion took place	
Male	100	≥ 18 years	232	Emergency	0	Emergency department	0
Female	136	16 years to <18 years	0	Urgent	0	Theatre	0
Not known	0	1 year to <16 years	3	Routine	0	ITU/NNU/HDU/recovery	0
		>28 days to <1 year	1	Not known	236	Wards	0
		Birth to ≤28 days	0			Delivery ward	0
		Not known	0	In core hours	0	Postnatal	0
				Out of core hours	0	Medical assessment unit	0
				Not known/not applicable	236	Community	0
						Outpatient/day unit	0
						Hospice	0
						Antenatal clinic	0
						Other	0
						Not applicable	236

(ITU=Intensive therapy unit; NNU=Neonatal unit; HDU=High dependency unit)