

THE PORTUGUESE BLOOD TRANSFUSION SYSTEM

Maj/Gen MED AERON/RES
Gabriel de Olim

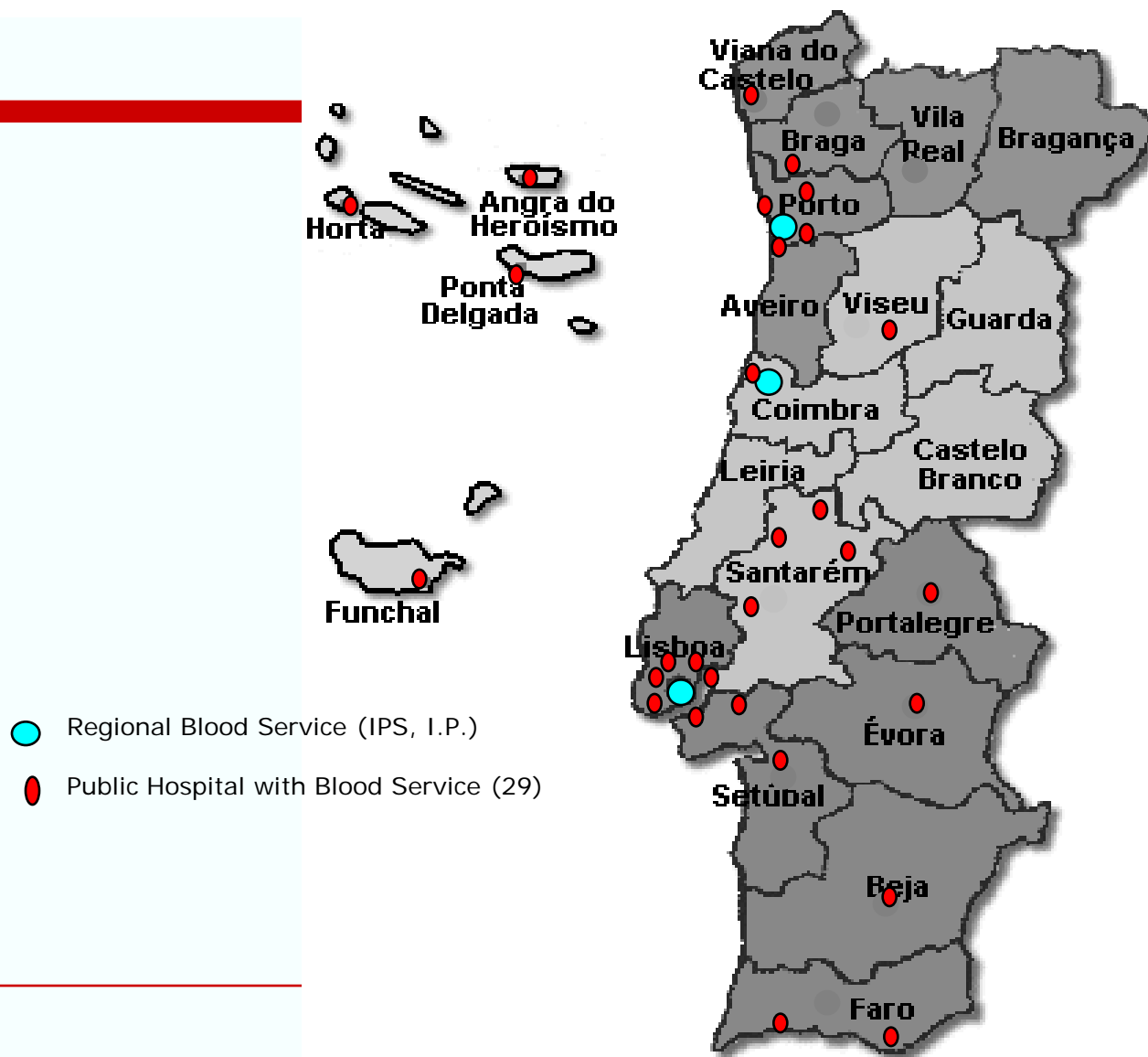
NATO MEDICAL CONFERENCE - 8th NATO BLOOD CONFERENCE

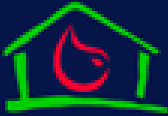
LISBON – 2009



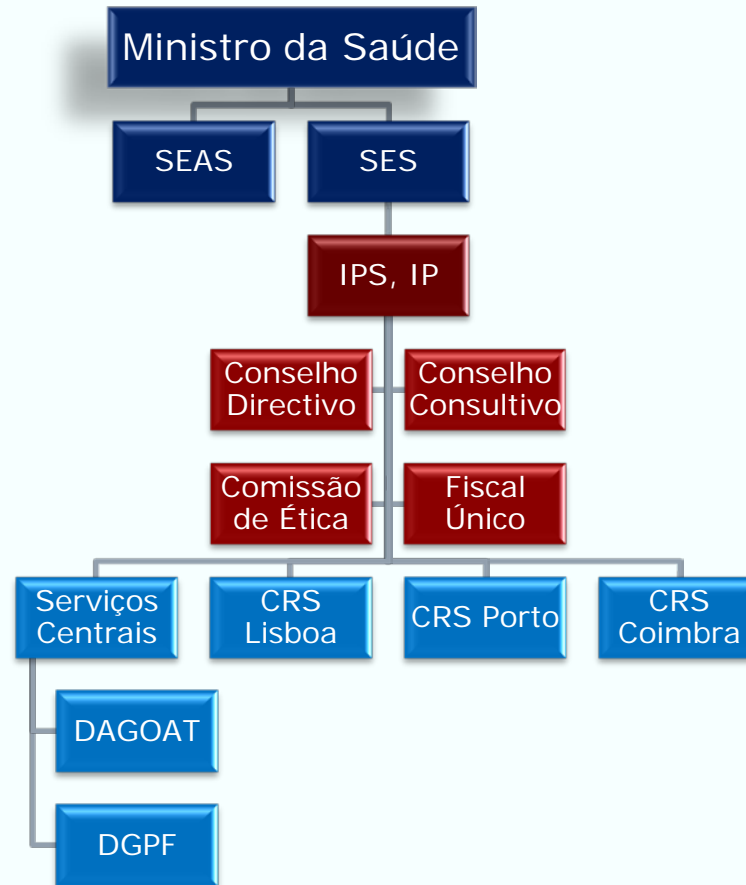
BLOOD SERVICES IN PORTUGAL

Year 2009





THE PORTUGUESE BLOOD INSTITUTE (IPS, I.P.)



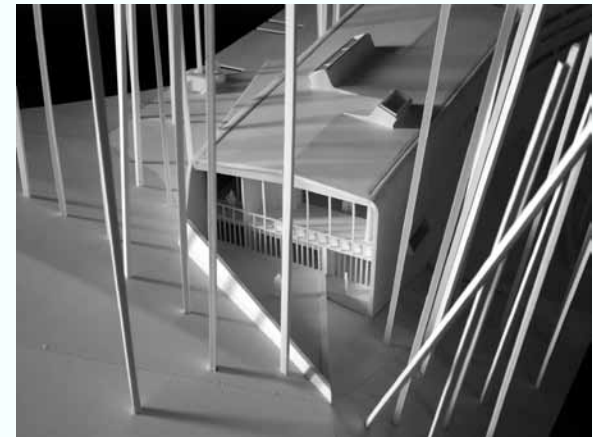
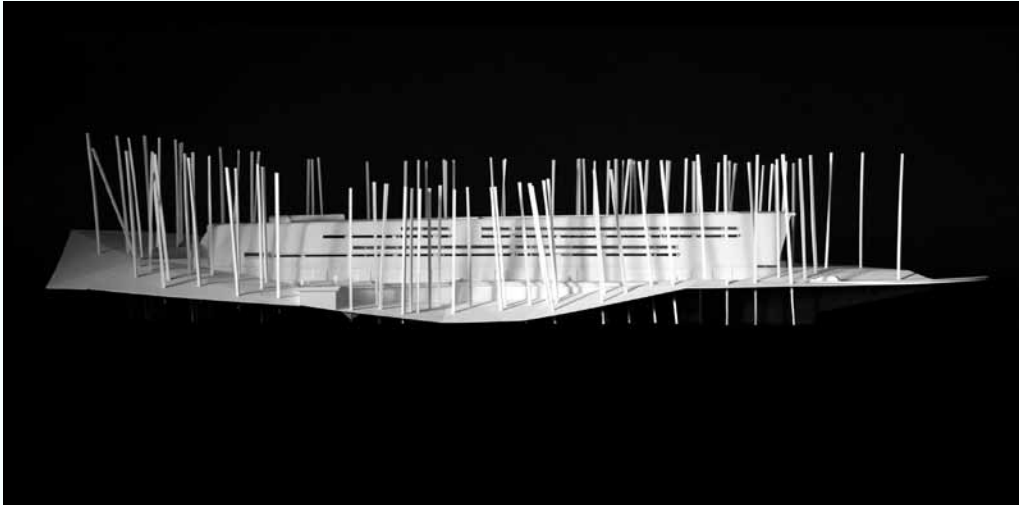


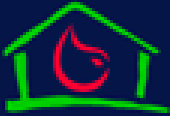
CRS DO PORTO (inaugurated in 2004)





CRS de COIMBRA (inauguration in 2010)





MOBILE UNITS



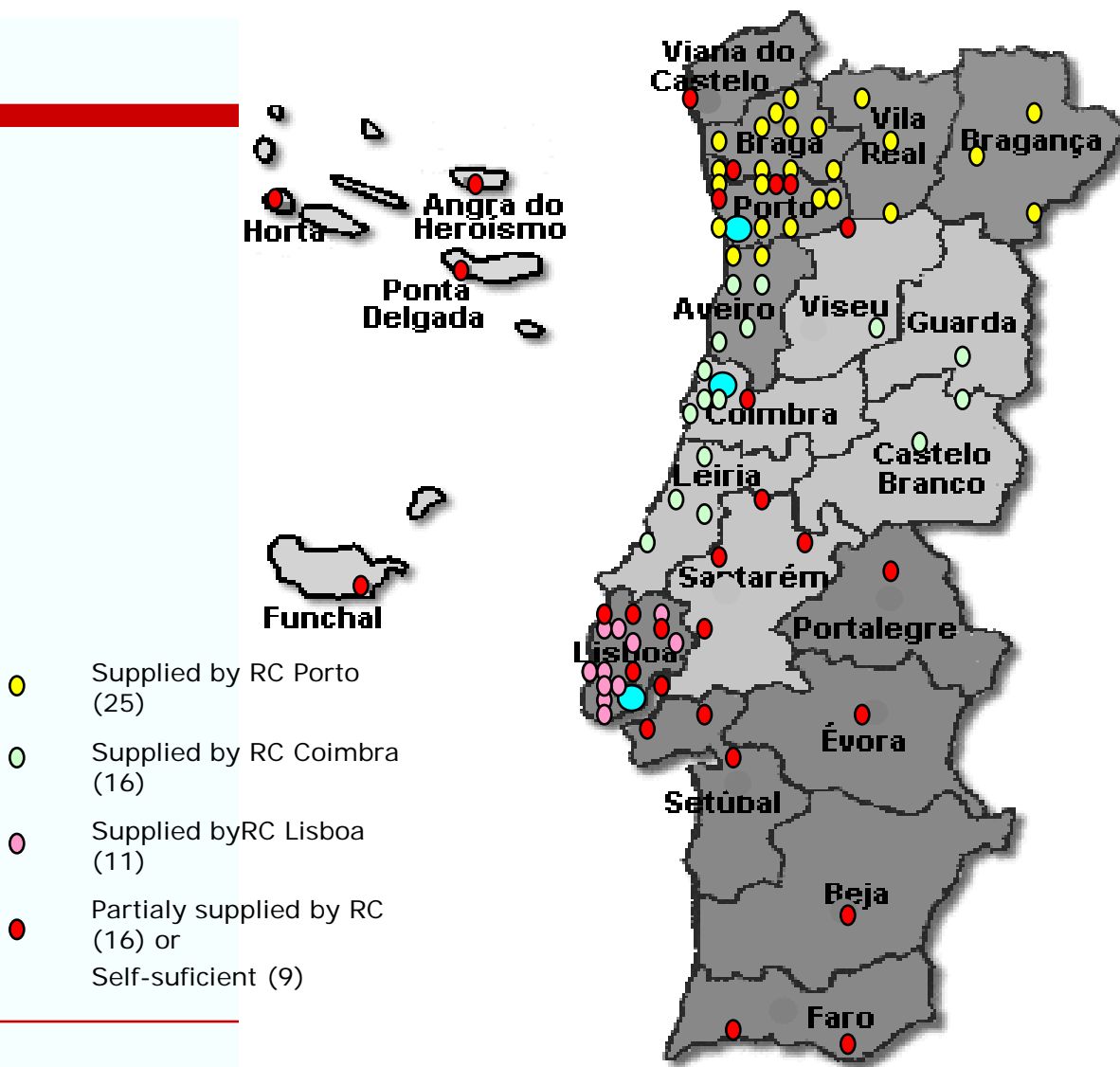


MOBILE UNIT





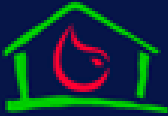
PUBLIC HOSPITALS SUPPLIED BY IPS, I.P. YEAR 2009



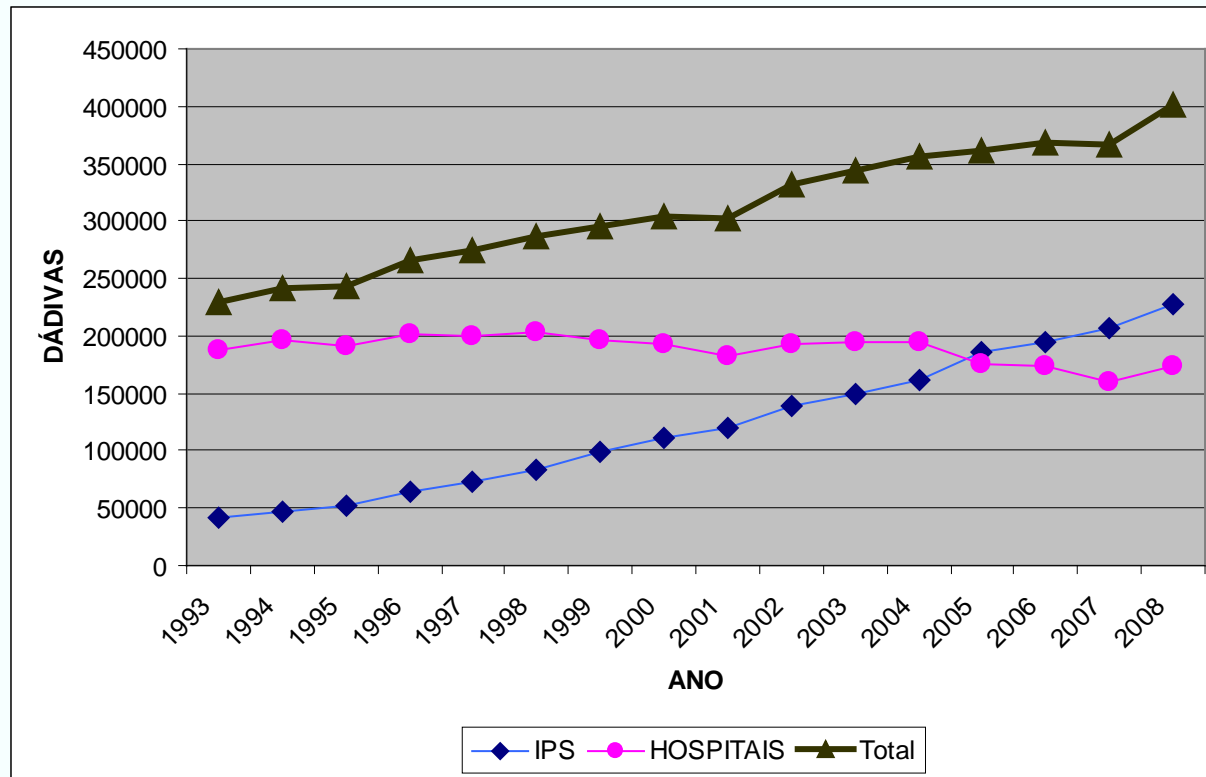


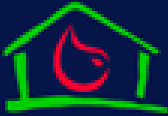
HOSPITALS AND CLINICS SUPPLIED BY IPS, IP

Year	<u>2007</u>	<u>2009</u>
Lisboa -	56	63
Porto -	39	39
Coimbra -	23	27
<i>Total</i> -	118	129

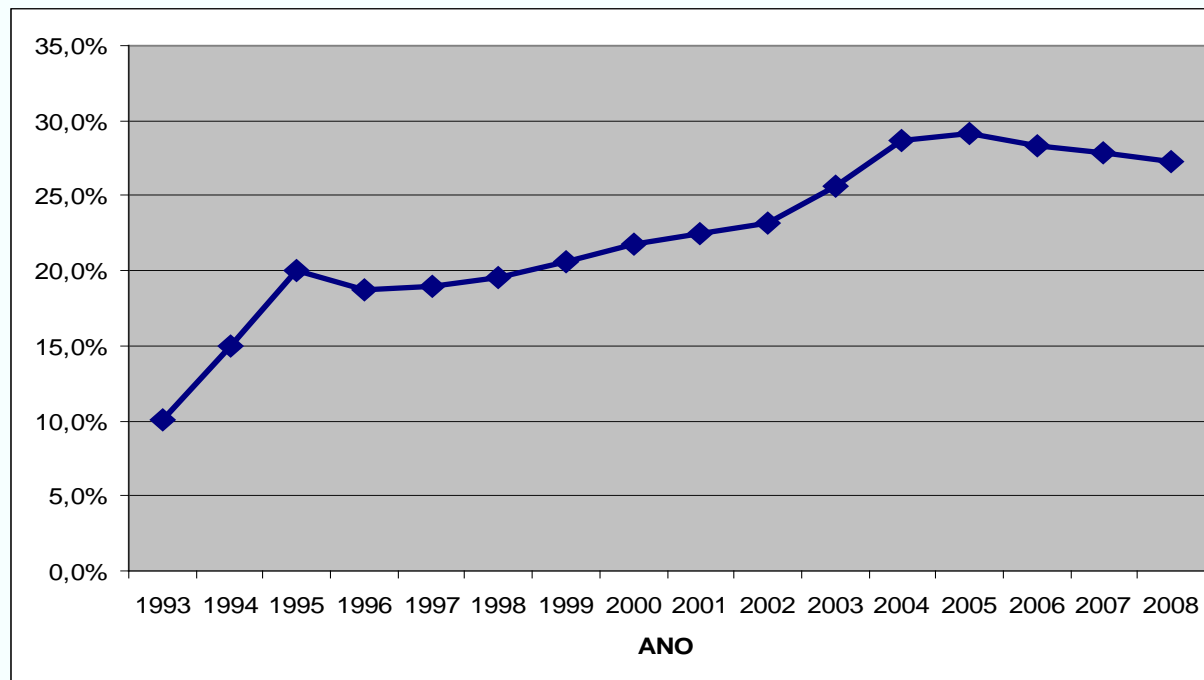


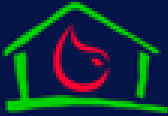
BLOOD DONATIONS



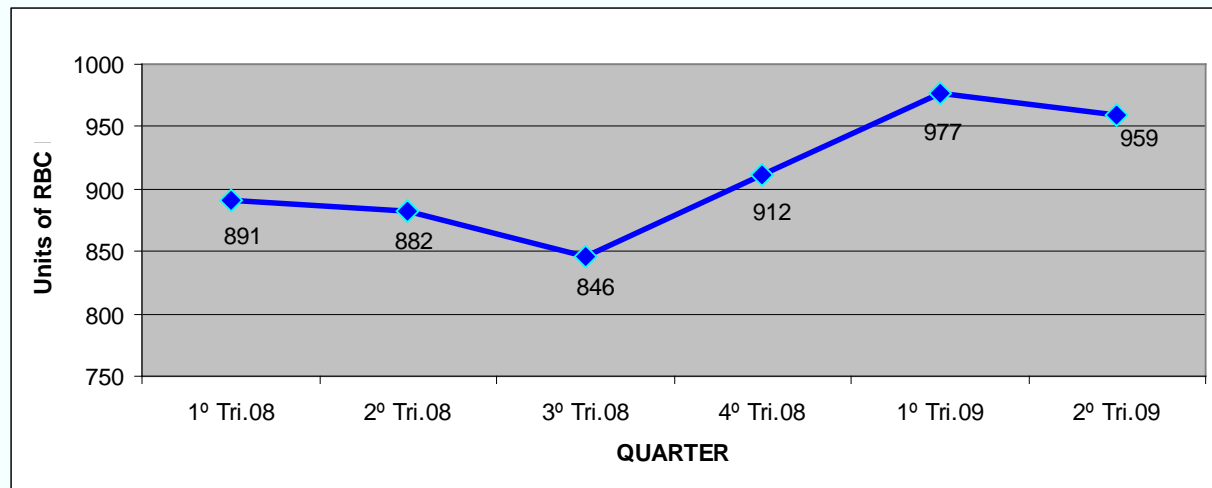


TEMPORARY AND PERMANENT DEFERRALS





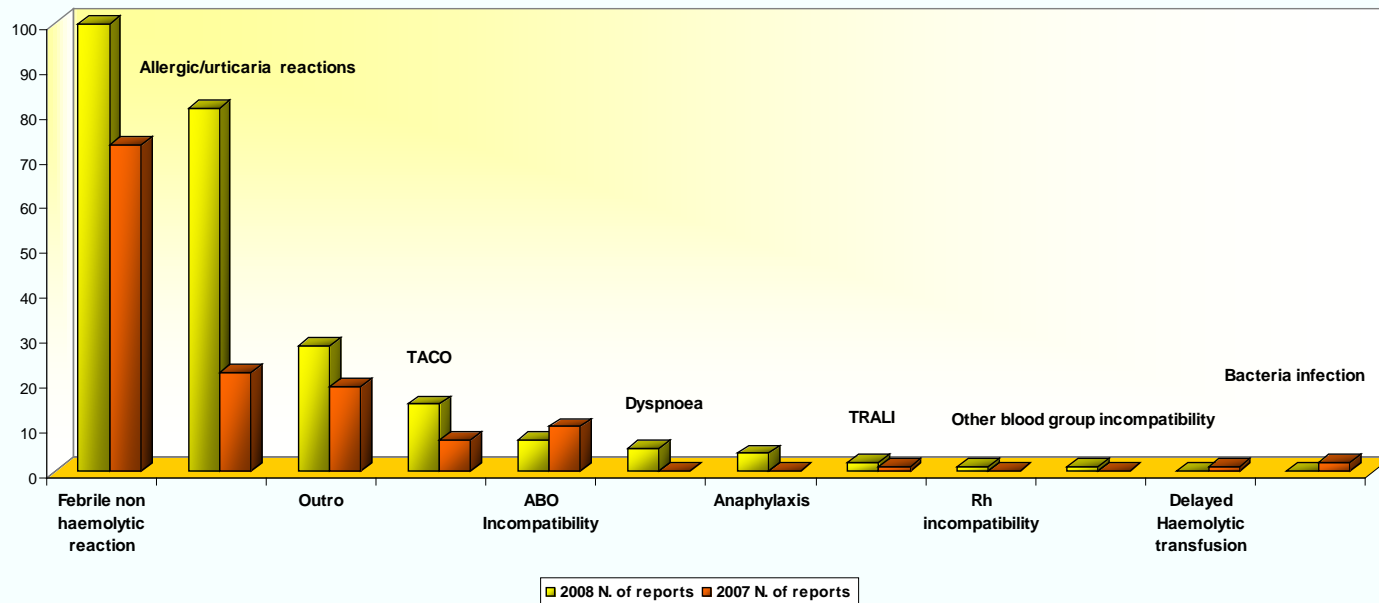
CLINICAL UTILIZATION OF RBC – DAILY AVERAGE, BY QUARTER (2008 AND 2009)





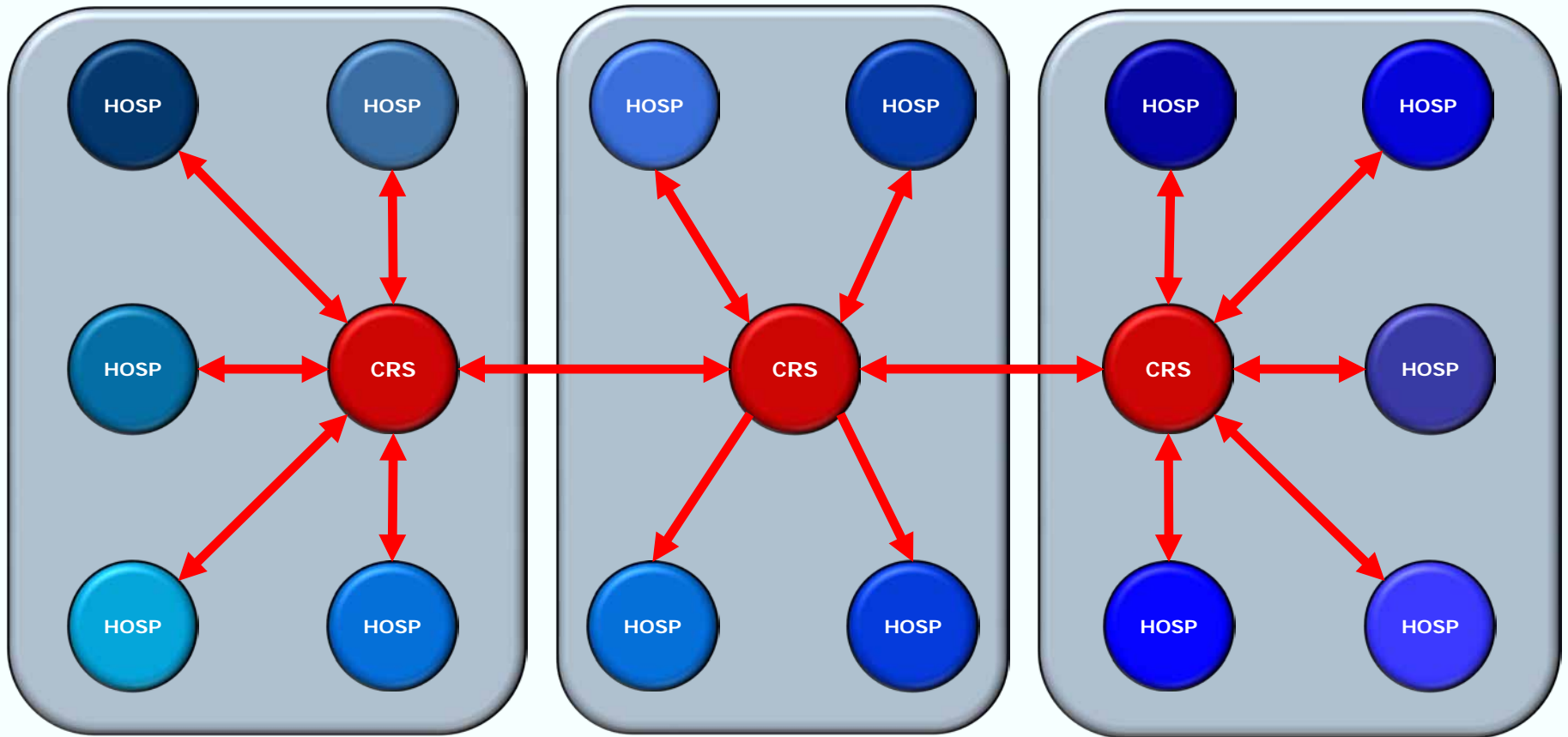
HAEMOVIGILANCE

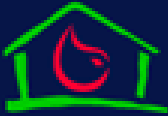
Adverse reactions in patients





THE CONSOLIDATION PROCESS





THE MONITORIZATION OF THE NATIONAL RBC STOCKS

- Access via internet**
- Permanently updated**
- Displays:**
 - The number of whole blood units collected by the IPS and by Hospital
 - The number of issued RBC units by the IPS
 - Utilization rates by Hospital
 - The stocks in the Regional Blood Centres and Public Hospitals
- Calculates:** - The minimum stocks of RBC by ABO and Rh blood groups
- Generates:** - Graphics
- Stores:** - Data



OVERVIEW OF THE PROGRAMME

RBC STOCKS • ISSUED RBC • RBC UTILIZATION RATES • WB DONATIONS • STOCKS IN DAYS • MINIMUM STOCK AND DEVIATIONS

Geral - versão compacta

RBC PLAT.

TOTAL

226717 74495

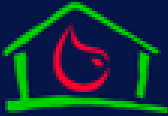
Valores em unidades

	A +		A -		AB +		AB -		B +		B -		O +		O -	
TOTAL CONSUMIDOS	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP
	89220	29065	16753	5355	5360	1935	1275	320	14108	4723	3019	866	80550	26978	16432	5253

Lisboa - versão compacta

Valores em unidades

	A +		A -		AB +		AB -		B +		B -		O +		O -		Total CE	CE/n	Total CP
Instituição	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP			
CENTRO REGIONAL ONCOLOGIA DE LISBOA	2667	2603	447	440	251	177	78	23	506	440	84	64	2301	2446	351	413	6685	25	6606
HOSPITAL GARCIA DE ORTA - ALMADA	2100	941	292	159	103	77	29	14	308	161	62	29	2116	917	328	166	5338	20	2464
CHLO - HOSPITAL EGAS MONIZ	1192	88	161	14	48	8	7	0	240	13	25	0	1087	81	173	22	2933	11	226
CHLN - HOSPITAL PULIDO VALENTE	999	28	155	4	76	0	1	0	160	3	23	0	922	28	135	4	2471	9	67
CHLO - HOSPITAL DE SANTA CRUZ - LISBOA	1627	107	302	17	62	0	23	1	173	10	60	3	1534	117	261	19	4042	15	274
CHLN - HOSPITAL DE SANTA MARIA	6293	1048	1150	150	362	62	150	4	977	168	232	8	5522	994	1215	145	15901	60	2579
CHLO - HOSPITAL S. FRANCISCO XAVIER	1233	216	189	34	29	7	8	0	286	30	33	2	1437	178	226	31	3441	13	498
HOSPITAL DISTRITAL DE TORRES VEDRAS	962	19	141	2	73	1	1	0	66	1	31	0	766	13	160	1	2200	8	37
CHMT - UNIDADE DE ABRANTES	888	404	177	59	45	21	7	4	143	89	41	8	752	381	204	80	2257	9	1046
HOSPITAL DISTRITAL DE SANTAREM	1408	200	220	41	54	14	17	2	186	36	62	6	1262	191	243	50	3452	13	540
CHMT - UNIDADE DE TOMAR	777	283	143	52	44	19	9	2	136	61	23	9	675	236	128	37	1935	7	699
CHMT - UNIDADE DE TORRES NOVAS	1067	742	219	133	74	56	10	5	226	160	39	31	887	626	215	145	2737	10	1898
HOSPITAL N. SENHORA ROSARIO - BARREIRO	1506	212	289	43	101	13	11	2	240	34	31	5	1291	221	245	27	3714	14	557
HOSPITAL DE S. BERNARDO - SETUBAL	1242	41	227	9	67	1	18	0	227	7	42	1	1196	41	182	1	3201	12	101
HOSPITAL JOSE JOAQUIM FERNANDES - BEJA	885	568	121	86	73	51	7	4	175	105	28	18	836	469	153	83	2278	9	1384
HOSPITAL ESPIRITO SANTO - EVORA	1803	658	195	108	141	48	18	12	352	110	72	22	1455	688	278	129	4314	16	1775
HOSPITAL CENTRAL DE FARO	2059	106	361	7	153	2	18	0	327	14	42	1	1956	89	350	10	5266	20	229
CHBA - HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	1402	101	243	9	107	10	23	1	244	11	37	47	1250	78	251	17	3557	13	274
HOSPITAL FERNANDO DA FONSECA	2347	214	403	27	159	4	47	2	410	30	103	2	2455	191	427	26	6351	24	496
CHLC - HOSPITAL DE S. JOSE	4021	1037	725	137	363	87	56	2	919	202	164	17	3998	1047	702	190	10948	41	2719

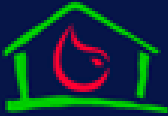


RBC AND PLATELET STOCKS (# of units)

RBC STOCKS ISSUED RBC · RBC UTILIZATION RATES · WB DONATIONS · STOCKS IN DAYS · MINIMUM STOCK AND DEVIATIONS

Geral															
RBC	PLAT.														
5994	801														
Valores em unidades															
A+		A-		AB+		AB-		B+		B-		O+		O-	
CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP
1359	273	638	52	490	32	83	5	961	46	150	13	1663	315	650	65

Lisboa																		
Valores em unidades																		
Instituição	A+	A-	AB+	AB-	B+	B-	O+	O-	Total CE	Total CP								
CENTRO REGIONAL ONCOLOGIA DE LISBOA	19	7	18	3	3	0	4	1	12	0	0	48	9	11	6	121	33	
CENTRO REGIONAL SANGUE DE LISBOA	33	24	36	4	111	2	4	0	237	1	7	0	39	23	6	1	473	55
CHBA - HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	34	3	15	1	5	1	3	0	15	0	2	0	20	3	14	0	108	8
CHLC - HOSPITAL DE S. JOSE	26	26	25	4	2	2	2	1	16	6	11	0	25	33	8	6	115	78
CHLC - HOSPITAL DE SANTA MARTA - LISBOA	22	0	7	0	0	0	0	0	8	0	2	0	29	2	11	0	79	2
CHLC - HOSPITAL DONA ESTEFANIA - LISBOA	18	1	6	0	0	2	0	0	2	0	0	0	23	2	4	1	53	6
CHLO - HOSPITAL DE SANTA CRUZ - LISBOA	11	1	9	0	0	0	1	0	2	0	0	0	21	0	5	1	49	2
CHLO - HOSPITAL EGAS MONIZ	14	0	6	0	3	0	0	0	2	0	3	0	11	0	4	0	43	0
CHLO - HOSPITAL S. FRANCISCO XAVIER	10	0	5	0	0	0	0	0	1	0	0	0	10	1	1	0	27	1
CHMT - UNIDADE DE ABRANTES	34	1	2	0	2	0	0	0	3	0	3	0	26	0	7	0	77	1
CHMT - UNIDADE DE TOMAR	23	0	9	0	3	0	0	0	5	0	2	0	27	0	12	0	81	0
CHMT - UNIDADE DE TORRES NOVAS	28	0	2	0	2	0	2	0	4	0	5	0	25	0	12	0	80	0
HOSP BEJA	8	7	8	0	2	0	1	0	3	0	1	1	37	3	6	0	66	11
HOSP EVORA	16	7	23	2	5	2	3	1	9	3	1	1	0	1	17	1	74	18
HOSPITAL CENTRAL DE FARO	26	7	17	3	7	0	4	0	33	1	8	0	38	22	21	2	154	35
HOSPITAL CURRY CABRAL	22	1	1	0	3	0	5	0	8	0	2	0	22	1	9	0	72	2
HOSPITAL DE S. BERNARDO - SETUBAL	17	9	6	1	3	1	2	1	4	2	8	2	37	8	15	0	92	24
HOSPITAL DE SANTA MARIA	39	5	14	1	4	0	3	0	5	1	7	0	69	8	10	2	151	17
HOSPITAL DISTRIITAL DE SANTAREM	14	8	8	3	7	0	0	0	1	0	4	0	12	1	6	2	52	14
HOSPITAL FERNANDO DA FONSECA	14	8	11	1	2	3	0	0	6	2	1	1	4	5	5	0	43	20
HOSPITAL GARCIA DE ORTA - ALMADA	19	15	12	2	4	2	2	0	14	8	4	2	39	19	9	2	103	50



CLINICAL UTILIZATION OF RBC AND PLATELETS

RBC STOCKS • ISSUED RBC • **RBC UTILIZATION RATES** • WB DONATIONS • STOCKS IN DAYS • MINIMUM STOCK AND DEVIATIONS

Geral - versão compacta

RBC PLAT.

TOTAL

226717 74495

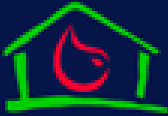
Valores em unidades

A +		A -		AB +		AB -		B +		B -		O +		O -	
CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP
89220	29065	16753	5355	5360	1935	1275	320	14108	4723	3019	866	80550	26978	16432	5253

Lisboa - versão compacta

Valores em unidades

Instituição	A +		A -		AB +		AB -		B +		B -		O +		O -		Total CE	CE/n	Total CP
	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP					
CENTRO REGIONAL ONCOLOGIA DE LISBOA	2667	2603	447	440	251	177	78	23	506	440	84	64	2301	2446	351	413	6685	25	6606
HOSPITAL GARCIA DE ORTA - ALMADA	2100	941	292	159	103	77	29	14	308	161	62	29	2116	917	328	166	5338	20	2464
CHLO - HOSPITAL EGAS MONIZ	1192	88	161	14	48	8	7	0	240	13	25	0	1087	81	173	22	2933	11	226
CHLN - HOSPITAL PULIDO VALENTE	999	28	155	4	76	0	1	0	160	3	23	0	922	28	135	4	2471	9	67
CHLO - HOSPITAL DE SANTA CRUZ - LISBOA	1627	107	302	17	62	0	23	1	173	10	60	3	1534	117	261	19	4042	15	274
CHLN - HOSPITAL DE SANTA MARIA	6293	1048	1150	150	362	62	150	4	977	168	232	8	5522	994	1215	145	15901	60	2579
CHLO - HOSPITAL S. FRANCISCO XAVIER	1233	216	189	34	29	7	8	0	286	30	33	2	1437	178	226	31	3441	13	498
HOSPITAL DISTRITAL DE TORRES VEDRAS	962	19	141	2	73	1	1	0	66	1	31	0	766	13	160	1	2200	8	37
CHMT - UNIDADE DE ABRANTES	888	404	177	59	45	21	7	4	143	89	41	8	752	381	204	80	2257	9	1046
HOSPITAL DISTRITAL DE SANTAREM	1408	200	220	41	54	14	17	2	186	36	62	6	1262	191	243	50	3452	13	540
CHMT - UNIDADE DE TOMAR	777	283	143	52	44	19	9	2	136	61	23	9	675	236	128	37	1935	7	699
CHMT - UNIDADE DE TORRES NOVAS	1067	742	219	133	74	56	10	5	226	160	39	31	887	626	215	145	2737	10	1898
HOSPITAL N. SENHORA ROSARIO - BARREIRO	1506	212	289	43	101	13	11	2	240	34	31	5	1291	221	245	27	3714	14	557
HOSPITAL DE S. BERNARDO - SETUBAL	1242	41	227	9	67	1	18	0	227	7	42	1	1196	41	182	1	3201	12	101
HOSPITAL JOSE JOAQUIM FERNANDES - BEJA	885	568	121	86	73	51	7	4	175	105	28	18	836	469	153	83	2278	9	1384
HOSPITAL ESPIRITO SANTO - EVORA	1803	658	195	108	141	48	18	12	352	110	72	22	1455	688	278	129	4314	16	1775
HOSPITAL CENTRAL DE FARO	2059	106	361	7	153	2	18	0	327	14	42	1	1956	89	350	10	5266	20	229
CHBA - HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	1402	101	243	9	107	10	23	1	244	11	37	47	1250	78	251	17	3557	13	274
HOSPITAL FERNANDO DA FONSECA	2347	214	403	27	159	4	47	2	410	30	103	2	2455	191	427	26	6351	24	496
CHLC - HOSPITAL DE S. JOSE	4021	1037	725	137	363	87	56	2	919	202	164	17	3998	1047	702	190	10948	41	2719



MINIMUM STOCKS OF RBC AND DEVIATIONS (in # of units)

RBC STOCKS • ISSUED RBC • RBC UTILIZATION RATES • WB DONATIONS • STOCKS IN DAYS **MINIMUM STOCK AND DEVIATIONS**

Lisboa - versão compacta

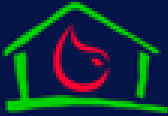
Valores em unidades

Instituição	A +		A -		AB +		AB -		B +		B -		O +		O -		E	Rm	≠
	E	Rm	E	Rm	E	Rm	E	Rm	E	Rm	E	Rm	E	Rm	E	Rm			
CENTRO REGIONAL ONCOLOGIA DE LISBOA	19	36	15	6	3	3	1	1	11	7	5	1	53	32	11	5	118	90	28
HOSPITAL GARCIA DE ORTA - ALMADA	27	32	11	4	3	2	3	0	10	5	4	1	39	31	11	5	108	80	28
CHLO - HOSPITAL EGAS MONIZ	13	18	7	2	1	1	0	0	3	4	4	0	11	16	6	3	45	44	1
CHLN - HOSPITAL PULIDO VALENTE	8	15	4	2	1	1	0	0	1	2	0	0	19	14	5	2	38	37	1
CHLO - HOSPITAL DE SANTA CRUZ - LISBOA	15	25	12	5	3	1	0	0	2	3	0	1	13	24	5	4	50	64	-14
CHLN - HOSPITAL DE SANTA MARIA	50	84	22	15	0	5	2	2	13	13	8	3	61	75	14	17	170	213	-43
CHLO - HOSPITAL S. FRANCISCO XAVIER	8	15	3	3	0	0	0	0	3	4	2	0	12	18	5	3	33	44	-11
CHMT - UNIDADE DE ABRANTES	28	14	2	3	0	1	0	0	3	2	4	1	20	12	9	3	66	35	31
HOSPITAL DISTRITAL DE SANTAREM	10	21	7	3	8	1	0	0	0	3	0	1	8	19	9	4	42	53	-11
CHMT - UNIDADE DE TOMAR	17	12	6	2	3	1	0	0	5	2	2	0	22	10	8	2	63	29	34
CHMT - UNIDADE DE TORRES NOVAS	29	16	2	3	3	1	2	0	2	3	5	1	34	13	12	3	89	41	48
HOSPITAL N. SENHORA ROSARIO - BARREIRO	33	22	13	4	4	1	0	0	11	4	7	1	54	19	15	4	137	55	82
HOSPITAL DE S. BERNARDO - SETUBAL	20	19	9	4	2	1	2	0	3	4	8	1	31	18	20	3	95	49	46
HOSPITAL JOSE JOAQUIM FERNANDES - BEJA	11	14	9	2	2	1	0	0	0	3	0	0	43	13	6	2	71	35	36
HOSPITAL ESPIRITO SANTO - EVORA	23	24	22	3	7	2	2	0	7	4	1	1	0	20	18	4	80	58	22
HOSPITAL CENTRAL DE FARO	28	31	18	5	8	2	3	0	34	5	8	1	41	29	24	5	164	79	85
CHBA - HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	22	17	10	3	6	1	3	0	10	3	2	0	30	14	14	3	97	42	55
HOSPITAL FERNANDO DA FONSECA	8	35	3	6	1	2	2	1	7	6	1	2	9	37	2	7	33	96	-63
CHLC - HOSPITAL DE S. JOSE	27	54	18	10	4	5	2	1	8	13	9	2	49	55	6	9	123	149	-26
HOSPITAL CURRY CABRAL	11	26	7	5	6	2	4	1	5	5	4	1	13	28	11	5	61	72	-11
CHLC - HOSPITAL DONA ESTEFANIA - LISBOA	17	4	7	1	0	0	0	0	1	1	0	0	19	5	4	1	48	12	36
CHLC - HOSPITAL DE SANTA MARTA - LISBOA	19	15	8	3	0	0	0	0	11	4	1	1	18	16	12	2	69	41	28
TOTAL	605	560	268	98	188	35	30	9	419	102	87	20	732	531	250	99	2579	1454	1125

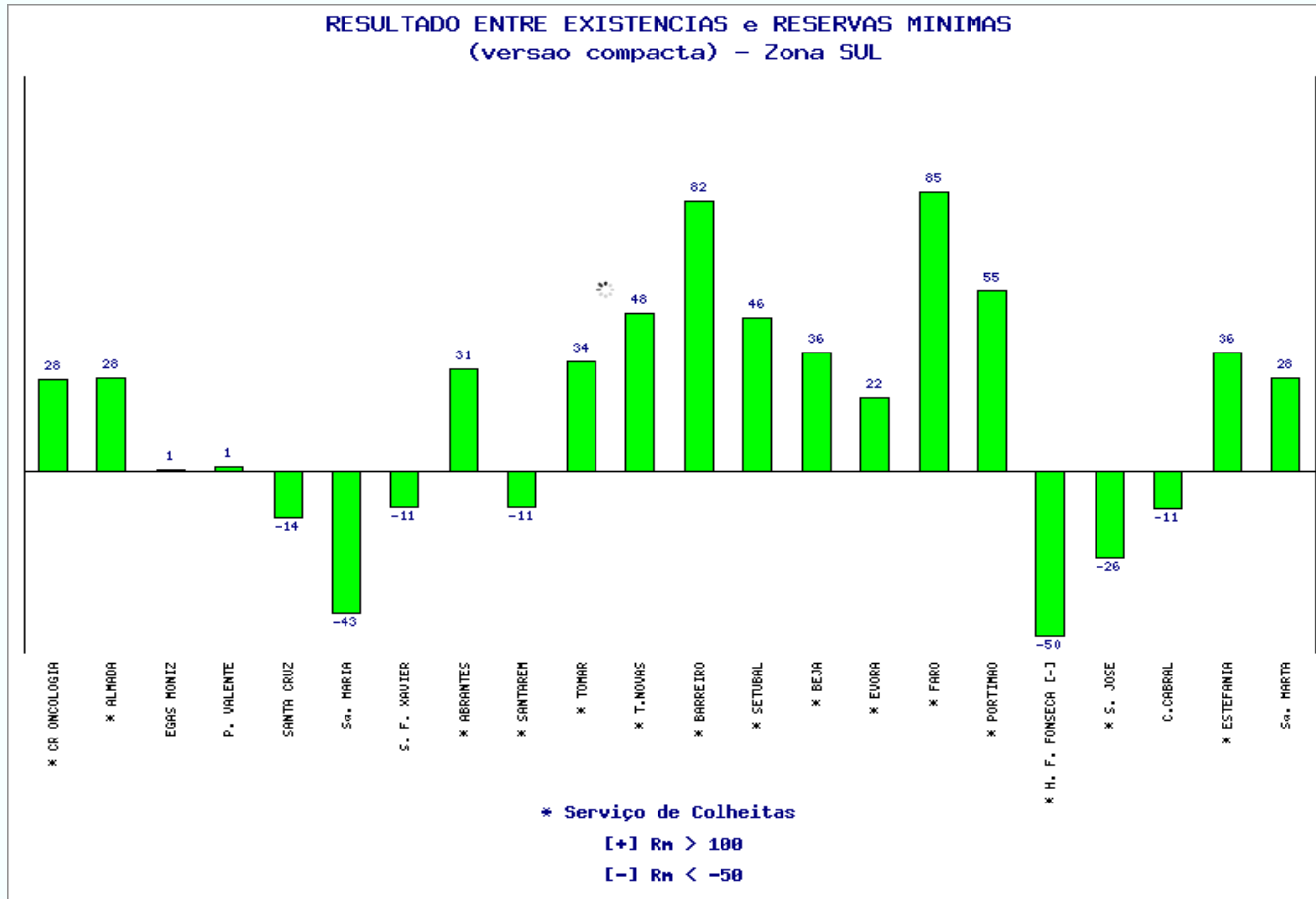
Rm = 4 (CT/n)

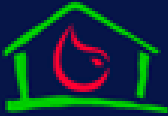
Porto - versão compacta

Coimbra - versão compacta



MINIMUM STOCKS DEVIATIONS





RBC STOCKS (in days)

RBC STOCKS • ISSUED RBC • RBC UTILIZATION RATES • WB DONATIONS • **STOCKS IN DAYS** • MINIMUM STOCK AND DEVIATIONS

Lisboa - versão compacta

Valores em dias

Instituição	A +		A -		AB +		AB -		B +		B -		O +		O -		Total CE
	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE		
CENTRO REGIONAL ONCOLOGIA - LISBOA	2.1	10.	3.6	4.2	6.3	17.	6.7	9.7	5.2								5.2
HOSPITAL GARCIA DE ORTA - ALMADA	3.4	9.8	7.6	27.	8.8	16.	4.9	9.0	5.4								5.4
HOSPITAL EGAS MONIZ	2.8	11.	5.7	0	3.3	43.	2.6	9.0	4.0								4.0
HOSPITAL PULIDO VALENTE	2.1	7.0	3.4	0	1.6	0	5.6	9.8	4.1								4.1
HOSPITAL DE SANTA CRUZ - LISBOA	2.3	9.6	13	0	2.6	0	2.1	4.7	3.1								3.1
HOSPITAL DE SANTA MARIA	2.3	5.8	0	3.7	4.0	10.	3.2	3.3	3.1								3.1
HOSPITAL S. FRANCISCO XAVIER	2.1	4.7	0	0	3.0	10.	2.0	0.3	3.0								3.0
CHMT - UNIDADE DE ABRANTES	8.2	3.0	0	0	5.3	24.	6.7	11.	7.5								7.5
HOSPITAL DISTRITAL DE SANTAREM	1.8	8.0	40.	0	0	0	1.6	9.3	3.1								3.1
CHMT - UNIDADE DE TOMAR	5.7	10.	20.	0	9.5	22.	8.5	16.	8.5								8.5
CHMT - UNIDADE DE TORRES NOVAS	7.2	2.3	10.	55.	2.3	35.	10.	15.	8.6								8.6
HOSPITAL N. SENHORA ROSARIO - BARREIRO	5.9	11.	10.	0	12.	54.	11.	16.	9.9								9.9
HOSPITAL DE S. BERNARDO - SETUBAL	4.2	10.	7.9	27.	3.3	50.	6.8	28.	7.8								7.8
HOSP BEJA	3.2	19.	7.3	0	0	0	13.	10.	8.1								8.1
HOSP EVORA	3.8	31.	15.	35.	6.3	3.9	0	19.	5.5								5.5
HOSPITAL DISTRITAL FARO	3.6	13	13	14	27	50	5.6	17	0.3								0.3
HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	5.2	13.	17.	39.	12.	17.	8.4	18.	9.1								9.1
HOSPITAL FERNANDO DA FONSECA	0.9	1.9	1.6	11.	4.4	2.4	0.9	1.2	1.3								1.3
HOSPITAL DE S. JOSE	1.9	7.1	3.1	10.	2.5	16.	3.5	2.5	3.2								3.2
HOSPITAL CURRY CABRAL	1.6	5.7	14.	19.	3.9	13.	1.8	9.5	3.3								3.3
HOSPITAL DONA ESTEFANIA - LISBOA	17.	41.	0	0	3.5	0	16.	17.	16.								16.
HOSPITAL DE SANTA MARFA - LISBOA	5.1	10	0	0	0.0	3.0	1.5	3.1	0.7								0.7
TOTAL	3.1	8.8	7.3	11.	5.8	14.	4.5	9.2	4.9								4.9
TOTAL (com CRSL)	4.3	10.	21.	13.	16.	17.	5.5	10.	7.0								7.0

$$R = E / (CT/n)$$

Porto - versão compacta

Coimbra - versão compacta



REPORTS



Instituto Português do Sangue, IP

www.ipsangue.org

MONITORIZACAO DAS RESERVAS DE SANGUE-(versao compacta)

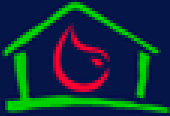
DATA: 2008-09-08

REGIAO: NACIONAL

INSTITUICAO: TODAS

	A +	A -	AB +	AB -	B +	B -	O +	O -	Total
	CE	CE	CE	CE	CE	CE	CE	CE	CE
STOCKS SUPPLIED	1670	682	512	95	918	167	1896	703	6643
TRANSFUSED	45503	8286	2442	742	6870	1584	41141	8113	114681
STOCK (days)	3624	15677	5030	1191	13268	2835	75312	15355	212292
COLLECTED	5.2	11.	26.	21.	18.	15.	6.6	12.	8.2
									186636

Documento gerado em: 22-09-2008 19:09:40



THANK YOU

gabrielolim@ips.min-saude.pt





Fornecidos

Existências	Fornecidos	Consumidos	Colhidos	Reserva Actual	Exist/Reser/ Mín													
Geral																		
TOTAL		CE	CP															
		106985	8653															
Valores em unidades																		
		A +		A -		AB +		AB -		B +		B -		O +		O -		
		CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	
TOTAL FORNECIDOS		42378	3729	7749	477	2141	84	727	6	6399	383	1497	20	38516	3444	7578	510	
Lisboa																		
Valores em unidades																		
Instituição	A +		A -		AB +		AB -		B +		B -		O +		O -		Total CE	Total CP
	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP		
CENTRO REGIONAL ONCOLOGIA - LISBOA	1148	501	167	77	158	7	62	0	365	56	7	0	982	500	103	63	3038	1211
CENTRO REGIONAL ONCOLOGIA DE LISBOA	3	1	1	0	0	0	0	0	0	1	0	0	1	0	0	1	5	3
CHLC - HOSPITAL DE S. JOSE	11	4	0	0	0	0	0	0	0	0	0	0	11	4	3	0	25	8
CHLC - HOSPITAL DE SANTA MARTA - LISBOA	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
CHLO - HOSPITAL DE SANTA CRUZ - LISBOA	14	1	0	0	4	0	0	0	6	0	0	0	8	0	0	1	32	2
CHLO - HOSPITAL EGAS MONIZ	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4	0
CHLO - HOSPITAL S. FRANCISCO XAVIER	2	1	1	0	1	0	0	0	2	0	0	0	3	0	1	0	10	1
CHMT - UNIDADE DE ABRANTES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
HOSP BEJA	41	1	5	0	0	0	0	0	7	0	4	0	44	1	4	0	105	2
HOSP CASCAIS	694	7	163	1	38	0	34	0	146	1	56	0	855	18	245	2	2231	29
HOSP EVORA	26	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	28	0
HOSP PORTALEGRE	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4	1	4	2
HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	37	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	77	0
HOSPITAL CURRY CABRAL	1838	169	309	15	124	4	58	0	340	17	73	1	1819	133	310	23	4871	362
HOSPITAL DE S. BERNARDO - SETUBAL	187	8	60	3	0	0	10	0	33	1	17	0	201	10	11	1	519	23
HOSPITAL DE S. JOSE	1631	301	275	49	175	12	30	0	355	49	45	2	1658	266	147	48	4316	727
HOSPITAL DE SANTA CRUZ - LISBOA	989	84	214	18	39	1	12	1	143	8	33	1	840	109	151	18	2421	240
HOSPITAL DE SANTA MARIA	6124	983	1022	150	344	42	145	4	980	145	223	8	5208	954	1133	147	15179	2433
HOSPITAL DE SANTA MARTA - LISBOA	811	74	209	10	7	1	0	0	329	11	44	0	889	64	164	11	2453	171
HOSPITAL DISTRITAL DE SANTAREM	705	11	115	1	16	0	6	0	58	2	30	0	583	13	95	7	1608	34
HOSPITAL DISTRITAL FARO	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	20	0



CARACTERÍSTICAS BÁSICAS DO PROGRAMA

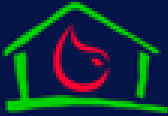
Possibilita verificar:

- Número de unidades de sangue colhidas pelos CRS e pelos Hospitais
 - Número de componentes fornecidos pelos CRS
 - «Stock» de componentes, por grupo sanguíneo, nos CRS e Hospitais
 - Consumo diário de componentes sanguíneos por Hospital
 - Consumos acumulados
-



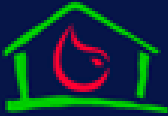
CARACTERÍSTICAS BÁSICAS DO PROGRAMA

- Acessibilidade pela internet
 - Actualização permanente
 - Efectua cálculo automático das reservas por Hospital
 - Efectua cálculo automático de uma reserva mínima, com base em valores pré-estabelecidos
 - Permite a impressão de relatórios
-



Clinical utilization and daily averages

Existências		Fornecidos		Consumidos		Colhidos		Reserva Actual		Exist/Reser/ Mín										
 Geral - versão compacta																				
TOTAL		CE	CP																	
		226717	74495																	
Valores em unidades																				
		A +		A -		AB +		AB -		B +		B -		O +		O -				
TOTAL CONSUMIDOS		CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP			
		89220	29065	16753	5355	5360	1935	1275	320	14108	4723	3019	866	80550	26978	16432	5253			
 Lisboa - versão compacta																				
Valores em unidades																				
Instituição		A +		A -		AB +		AB -		B +		B -		O +		O -		Total C	CE/n	Total CP
CENTRO REGIONAL ONCOLOGIA DE LISBOA		CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	6685	25	6606
HOSPITAL GARCIA DE ORTA - ALMADA		2100	941	292	159	103	77	29	14	308	161	62	29	2116	917	328	166	5338	20	2464
CHLO - HOSPITAL EGAS MONIZ		1192	88	161	14	48	8	7	0	240	13	25	0	1087	81	173	22	2933	11	226
CHLN - HOSPITAL PULIDO VALENTE		999	28	155	4	76	0	1	0	160	3	23	0	922	28	135	4	2471	9	67
CHLO - HOSPITAL DE SANTA CRUZ - LISBOA		1627	107	302	17	62	0	23	1	173	10	60	3	1534	117	261	19	4042	15	274
CHLN - HOSPITAL DE SANTA MARIA		6293	1048	1150	150	362	62	150	4	977	168	232	8	5522	994	1215	145	15901	60	2579
CHLO - HOSPITAL S. FRANCISCO XAVIER		1233	216	189	34	29	7	8	0	286	30	33	2	1437	178	226	31	3441	13	498
HOSPITAL DISTRITAL DE TORRES VEDRAS		962	19	141	2	73	1	1	0	66	1	31	0	766	13	160	1	2200	8	37
CHMT - UNIDADE DE ABRANTES		888	404	177	59	45	21	7	4	143	89	41	8	752	381	204	80	2257	9	1046
HOSPITAL DISTRITAL DE SANTAREM		1408	200	220	41	54	14	17	2	186	36	62	6	1262	191	243	50	3452	13	540
CHMT - UNIDADE DE TOMAR		777	283	143	52	44	19	9	2	136	61	23	9	675	236	128	37	1935	7	699
CHMT - UNIDADE DE TORRES NOVAS		1067	742	219	133	74	56	10	5	226	160	39	31	887	626	215	145	2737	10	1898
HOSPITAL N. SENHORA ROSARIO - BARREIRO		1506	212	289	43	101	13	11	2	240	34	31	5	1291	221	245	27	3714	14	557
HOSPITAL DE S. BERNARDO - SETUBAL		1242	41	227	9	67	1	18	0	227	7	42	1	1196	41	182	1	3201	12	101
HOSPITAL JOSE JOAQUIM FERNANDES - BEJA		885	568	121	86	73	51	7	4	175	105	28	18	836	469	153	83	2278	9	1384
HOSPITAL ESPIRITO SANTO - EVORA		1803	658	195	108	141	48	18	12	352	110	72	22	1455	688	278	129	4314	16	1775
HOSPITAL CENTRAL DE FARO		2059	106	361	7	153	2	18	0	327	14	42	1	1956	89	350	10	5266	20	229
CHBA - HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO		1402	101	243	9	107	10	23	1	244	11	37	47	1250	78	251	17	3557	13	274
HOSPITAL FERNANDO DA FONSECA		2347	214	403	27	159	4	47	2	410	30	103	2	2455	191	427	26	6351	24	496
CHLC - HOSPITAL DE S. JOSE		4021	1037	725	137	363	87	56	2	919	202	164	17	3998	1047	702	190	10948	41	2719



RBC and platelet stocks (in units)

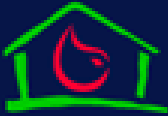
Existências		Fornecidos	Consumidos	Colhidos	Reserva Actual	Exist/Reser/ Min												
Geral																		
TOTAL	CE	CP																
	5994	801																
Valores em unidades																		
			A -	AB +	AB -	B +	B -	O +	O -									
TOTAL EXISTÊNCIAS	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP	CE	CP				
	1359	273	638	52	490	32	83	5	961	46	150	13	1663	315	650	65		
Lisboa																		
Valores em unidades																		
Instituição	A +	A -	AB +	AB -	B +	B -	O +	O -	Total CE	Total CP								
CENTRO REGIONAL ONCOLOGIA DE LISBOA	19	7	18	3	3	0	4	1	12	7	48	9	11	6	121	33		
CENTRO REGIONAL SANGUE DE LISBOA	33	24	36	4	111	2	4	0	237	1	7	0	39	23	6	1	473	55
CHBA - HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	34	3	15	1	5	1	3	0	15	0	2	0	20	3	14	0	108	8
CHLC - HOSPITAL DE S. JOSE	26	26	25	4	2	2	2	1	16	6	11	0	25	33	8	6	115	78
CHLC - HOSPITAL DE SANTA MARTA - LISBOA	22	0	7	0	0	0	0	0	8	0	2	0	29	2	11	0	79	2
CHLC - HOSPITAL DONA ESTEFANIA - LISBOA	18	1	6	0	0	2	0	0	2	0	0	0	23	2	4	1	53	6
CHLO - HOSPITAL DE SANTA CRUZ - LISBOA	11	1	9	0	0	0	1	0	2	0	0	0	21	0	5	1	49	2
CHLO - HOSPITAL EGAS MONIZ	14	0	6	0	3	0	0	0	2	0	3	0	11	0	4	0	43	0
CHLO - HOSPITAL S. FRANCISCO XAVIER	10	0	5	0	0	0	0	0	1	0	0	0	10	1	1	0	27	1
CHMT - UNIDADE DE ABRANTES	34	1	2	0	2	0	0	0	3	0	3	0	26	0	7	0	77	1
CHMT - UNIDADE DE TOMAR	23	0	9	0	3	0	0	0	5	0	2	0	27	0	12	0	81	0
CHMT - UNIDADE DE TORRES NOVAS	28	0	2	0	2	0	2	0	4	0	5	0	25	0	12	0	80	0
HOSP BEJA	8	7	8	0	2	0	1	0	3	0	1	1	37	3	6	0	66	11
HOSP EVORA	16	7	23	2	5	2	3	1	9	3	1	1	0	1	17	1	74	18
HOSPITAL CENTRAL DE FARO	26	7	17	3	7	0	4	0	33	1	8	0	38	22	21	2	154	35
HOSPITAL CURRY CABRAL	22	1	1	0	3	0	5	0	8	0	2	0	22	1	9	0	72	2
HOSPITAL DE S. BERNARDO - SETUBAL	17	9	6	1	3	1	2	1	4	2	8	2	37	8	15	0	92	24
HOSPITAL DE SANTA MARIA	39	5	14	1	4	0	3	0	5	1	7	0	69	8	10	2	151	17
HOSPITAL DISTRITAL DE SANTAREM	14	8	8	3	7	0	0	0	1	0	4	0	12	1	6	2	52	14
HOSPITAL FERNANDO DA FONSECA	14	8	11	1	2	3	0	0	6	2	1	1	4	5	5	0	43	20
HOSPITAL GARCIA DE ORTA - ALMADA	19	15	12	2	4	2	2	0	14	8	4	2	39	19	9	2	103	50



RBC stocks (in days)

Existências	Fornecidos	Consumidos	Colhidos	Reserva Actual	Exist/Reser/ Min				
Lisboa - versão compacta									
Valores em dias									
Instituição	A +	A -	AB +	AB -	B +	B -	O +	O -	Total CE
	CE	CE	CE	CE	CE	CE	CE	CE	CE
CENTRO REGIONAL ONCOLOGIA - LISBOA	2.1	10.	3.6	4.2	6.3	17.	6.7	9.7	5.2
HOSPITAL GARCIA DE ORTA - ALMADA	3.4	9.8	7.6	27.	8.8	16.	4.9	9.0	5.4
HOSPITAL EGAS MONIZ	2.8	11.	5.7	0	3.3	43.	2.6	9.0	4.0
HOSPITAL PULIDO VALENTE	2.1	7.0	3.4	0	1.6	0	5.6	9.8	4.1
HOSPITAL DE SANTA CRUZ - LISBOA	2.3	9.6	13.	0	2.6	0	2.1	4.7	3.1
HOSPITAL DE SANTA MARIA	2.3	5.8	0	3.7	4.0	10.	3.2	3.3	3.1
HOSPITAL S. FRANCISCO XAVIER	2.1	4.7	0	0	3.0	10.	2.0	0.3	3.0
CHMT - UNIDADE DE ABRANTES	8.2	3.0	0	0	5.3	24.	6.7	11.	7.5
HOSPITAL DISTRITAL DE SANTAREM	1.8	8.0	40.	0	0	0	1.6	9.3	3.1
CHMT - UNIDADE DE TOMAR	5.7	10.	20.	0	9.5	22.	8.5	16.	8.5
CHMT - UNIDADE DE TORRES NOVAS	7.2	2.3	10.	55.	2.3	35.	10.	15.	8.6
HOSPITAL N. SENHORA ROSARIO - BARREIRO	5.9	11.	10.	0	12.	54.	11.	16.	9.9
HOSPITAL DE S. BERNARDO - SETUBAL	4.2	10.	7.9	27.	3.3	50.	6.8	28.	7.8
HOSP BEJA	3.2	19.	7.3	0	0	0	13.	10.	8.1
HOSP EVORA	3.8	31.	15.	35.	6.3	3.9	0	19.	5.5
HOSPITAL DISTRITAL FARO	3.6	13.	13.	44.	27.	50.	5.6	17.	8.3
HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	5.2	13.	17.	39.	12.	17.	8.4	18.	9.1
HOSPITAL FERNANDO DA FONSECA	0.9	1.9	1.6	11.	4.4	2.4	0.9	1.2	1.3
HOSPITAL DE S. JOSE	1.9	7.1	3.1	10.	2.5	16.	3.5	2.5	3.2
HOSPITAL CURRY CABRAL	1.6	5.7	14.	19.	3.9	13.	1.8	9.5	3.3
HOSPITAL DONA ESTEFANIA - LISBOA	17.	41.	0	0	3.5	0	16.	17.	16.
HOSPITAL DE SANTA MARFA - LISBOA	5.1	10.	0	0	0.0	2.0	1.5	0.1	0.7
TOTAL	3.1	8.8	7.3	11.	5.8	14.	4.5	9.2	4.9
TOTAL (com CRSL)	4.3	10.	21.	13.	16.	17.	5.5	10.	7.0
Porto - versão compacta									
Coimbra - versão compacta									

$$R = E / (CT/n)$$



Deviations from a minimum stock for 4 days_of RBC

Existências	Fornecidos	Consumidos	Colhidos	Reserva Actual	Exist/Reser/ Min														
Lisboa - versão compacta																			
Valores em unidades																			
Instituição	A +		A -		AB +		AB -		B +		B -		O +		O -		E	Rm	≠ Rm
	E	Rm	E	Rm	E	Rm	E	Rm	E	Rm	E	Rm	E	Rm	E	Rm			
CENTRO REGIONAL ONCOLOGIA DE LISBOA	19	36	15	6	3	3	1	1	11	7	5	1	53	32	11	5	118	90	28
HOSPITAL GARCIA DE ORTA - ALMADA	27	32	11	4	3	2	3	0	10	5	4	1	39	31	11	5	108	80	28
CHLO - HOSPITAL EGAS MONIZ	13	18	7	2	1	1	0	0	3	4	4	0	11	16	6	3	45	44	1
CHLN - HOSPITAL PULIDO VALENTE	8	15	4	2	1	1	0	0	1	2	0	0	19	14	5	2	38	37	1
CHLO - HOSPITAL DE SANTA CRUZ - LISBOA	15	25	12	5	3	1	0	0	2	3	0	1	13	24	5	4	50	64	-14
CHLN - HOSPITAL DE SANTA MARIA	50	84	22	15	0	5	2	2	13	13	8	3	61	75	14	17	170	213	-43
CHLO - HOSPITAL S. FRANCISCO XAVIER	8	15	3	3	0	0	0	0	3	4	2	0	12	18	5	3	33	44	-11
CHMT - UNIDADE DE ABRANTES	28	14	2	3	0	1	0	0	3	2	4	1	20	12	9	3	66	35	31
HOSPITAL DISTRITAL DE SANTAREM	10	21	7	3	8	1	0	0	0	3	0	1	8	19	9	4	42	53	-11
CHMT - UNIDADE DE TOMAR	17	12	6	2	3	1	0	0	5	2	2	0	22	10	8	2	63	29	34
CHMT - UNIDADE DE TORRES NOVAS	29	16	2	3	3	1	2	0	2	3	5	1	34	13	12	3	89	41	48
HOSPITAL N. SENHORA ROSARIO - BARREIRO	33	22	13	4	4	1	0	0	11	4	7	1	54	19	15	4	137	55	82
HOSPITAL DE S. BERNARDO - SETUBAL	20	19	9	4	2	1	2	0	3	4	8	1	31	18	20	3	95	49	46
HOSPITAL JOSE JOAQUIM FERNANDES - BEJA	11	14	9	2	2	1	0	0	0	3	0	0	43	13	6	2	71	35	36
HOSPITAL ESPIRITO SANTO - EVORA	23	24	22	3	7	2	2	0	7	4	1	1	0	20	18	4	80	58	22
HOSPITAL CENTRAL DE FARO	28	31	18	5	8	2	3	0	34	5	8	1	41	29	24	5	164	79	85
CHBA - HOSPITAL BARLAVENTO ALGARVIO - PORTIMAO	22	17	10	3	6	1	3	0	10	3	2	0	30	14	14	3	97	42	55
HOSPITAL FERNANDO DA FONSECA	8	35	3	6	1	2	2	1	7	6	1	2	9	37	2	7	33	96	-63
CHLC - HOSPITAL DE S. JOSE	27	54	18	10	4	5	2	1	8	13	9	2	49	55	6	9	123	149	-26
HOSPITAL CURRY CABRAL	11	26	7	5	6	2	4	1	5	5	4	1	13	28	11	5	61	72	-11
CHLC - HOSPITAL DONA ESTEFANIA - LISBOA	17	4	7	1	0	0	0	0	1	1	0	0	19	5	4	1	48	12	36
CHLC - HOSPITAL DE SANTA MARTA - LISBOA	19	15	8	3	0	0	0	0	11	4	1	1	18	16	12	2	69	41	28
TOTAL	605	560	268	98	188	35	30	9	419	102	87	20	732	531	250	99	2579	1454	1125

Rm = 4 (CT/n)

Porto - versão compacta

Coimbra - versão compacta



ACCESS

Home Contactos Mapa do Site	
Quem Somos	
Público	
Dadores	
Promoção da Dádiva	
Profissionais	
Agenda	
Hiperligações	
Sugestões	

Consultar as suas dádivas

Unidade Móvel de Colheita de Sangue - FATACIL	
Directrizes	Unidade Móvel de Colheita de Sangue no recinto da FATACIL de 23 a 25 de Novembro das 14h00 às 21h00. Durante todo o período de realização, actividades de divulgação e sensibilização, informativo.
Publicações	
Legislação	
Biblioteca	
Hemovigilância	
Acções de Formação	
Reserva IPS, IP	Responsabilização (QUAR)
Monitorização das Reservas de Sangue	Decreto-Lei nº 109/2007 de 10 de Maio e artigo 10º da Lei nº 66-B/2007 de 22 de Dezembro, o IPS, IP torna público o seu Quadro de Avaliação e Responsabilização (ainda dependente de autorização pr
+	