

## Appendix G: Laboratory Conversion Factors and Centre Names

### Laboratory conversion factors from SI

	Conversion factors from SI units
Albumin	$\text{g/dL} = \text{g/L} \times 0.1$
Bicarbonate	$\text{mg/dL} = \text{mmol/L} \times 6.1$
Bilirubin	$\text{mg/dL} = \text{mmol/L} \times 0.058$
Calcium	$\text{mg/dL} = \text{mmol/L} \times 4$
Creatinine	$\text{mg/dL} = \text{umol/L} \times 0.011$
Glucose	$\text{mg/dL} = \text{mmol/L} \times 18$
Phosphate	$\text{mg/dL} = \text{mmol/L} \times 3.1$
Cholesterol	$\text{mg/dL} = \text{mmol/L} \times 38.6$
Parathyroid hormone	$\text{ng/L} = \text{pmol/L} \times 9.5$
Urea	$\text{mg/dL} = \text{mmol/L} \times 2.8$
Haemoglobin	$\text{Hct} = \text{g/dL} \times 3.11$ (this is factor is variable)

### Centre abbreviations used in Chapters 4 and 5

City	Abbrev	Renal unit
Birmingham	Heart	Heartlands Hospital
Bristol	Bristl	Southmead Hospital
Cardiff	Crdff	University of Wales Hospital
Carlisle	Carls	Cumberland Infirmary
Carshalton	Carsh	St Helier Hospital
Coventry	Covnt	Walsgrave Hospital
Derby	Derby	Derby City Hospital
Exeter	Extr	Royal Devon and Exeter Hospital
Gloucester	Glouc	Gloucester Royal Hospital
Hull	Hull	Hull Royal Infirmary
Leeds LGI	LGI	Leeds General Infirmary
Leeds, St James's	St Jms	St James's Hospital
Leicester	Leic	Leicester General Hospital
London – Guys	Guys	Guys and St Thomas Hospital
Middlesbrough	S Cleve	James Cook University Hospital
Nottingham	Notts	Nottingham City Hospital
Oxford	Oxfrd	Churchill Hospital
Plymouth	Plym	Derriford Hospital
Preston	Prstn	Royal Preston Hospital
Reading	Redng	Royal Berkshire Hospital
Sheffield	Sheff	Northern General Hospital
Southend	Sthend	Southend Hospital
Stourbridge	Words	Stourbridge Hospital
Sunderland	Sund	Sunderland Royal Hospital
Swansea	Swnse	Morrison Hospital
Wolverhampton	Wolve	Newcross Hospital
Wrexham	Wrex	Maelor General Hospital
York	York	York District Hospital

## Addendum to 2002 Report

There has been a very important addendum to the 2002 report after an error was found in the SAS coding of analyses of a statistician who was employed to help us with the report.

### **Chapter 15 Causes of death on renal replacement therapy**

The previously released chapter in the hardcopy and CD version has been replaced on the internet version. In brief these are the changes :-

- 1) The wrong cohort of patients were included in the incident calculations. This has not changed the percentages of the different causes of death, but HAS changed the death rates. The corrected tables are shown below.
- 2) Comparison of prevalent death rates with the US appeared to show that the UK survival was worse in the patients under 65 and better in the over 65s. The UK data was taken from the dialysis population and wrongly compared with the US total renal replacement therapy population which accounts for this discrepancy. **The UK survival is better across ALL age bands.** The corrected tables are also listed below.

#### **All (dialysis and transplant) modalities**

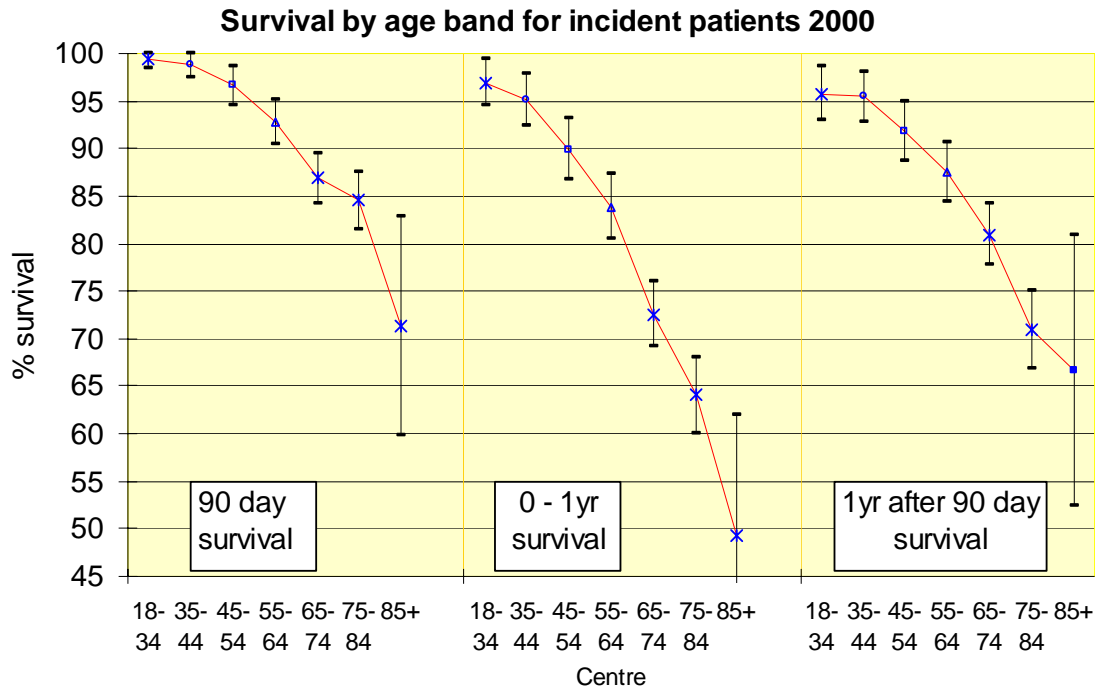
Age	UK exposure years	UK Deaths	UK deaths per 1000	USA deaths per 1000	UK Registry /USA
20-44	3218.44	95	29.52	56.1	0.526
45-64	5285.83	375	70.94	136.3	0.521
65+	3679.10	801	217.72	340.4	0.640
Total	12183.38	1271	104.32	179.3	0.582

#### **Dialysis patients only**

Age	UK exposure years	UK Deaths	UK deaths per 1000	USA deaths per 1000	UK Registry /USA
20-44	696.16	60	86.19	93.7	0.920
45-64	1732.59	242	139.68	179.3	0.779
65+	2630.53	689	261.92	360.3	0.727
Total	5059.28	991	195.88	239	0.820

### **Survival of incident patients starting renal replacement therapy**

The SAS code of survival analysis was found to be censoring transplant patients. This has a small impact in the first year UK survival data with a false reduction in survival (although there is a much bigger impact on the younger patients), but the impact of this censoring is increases by 2 and 3 years as more patients are transplanted. The methodology of the analyses as described on page 310 is how these data should have been calculated. The tables below show the data for these according to analysis by this methodology.



### Other minor amendments

Page / figure	text	Correction
P 3 / Fig 2.1		North East Lincolnshire has full coverage
P4 / Table 2.1	Hull catchment population 1.02 million	Hull catchment population 1.04 million
P27/ Table 4.5	Hull catchment population 0.85 million	Hull catchment population 1.04 million
P47 / Table 5.3	Seleve (Middlesborough) Transp no 218	Transplant no 284
P157 / Fig 11.2 *	albumin % in 35 – 50 g/l range HD	albumin % in 35 – 50 g/l range BCG and 30 – 45 g/l BCP on HD
P 159 Fig 11.5 *	albumin % in 35 – 50 g/l range PD	albumin % in 35 – 50 g/l range BCG and 30 – 45 g/l BCP on PD
P201 Table 13.3		The following are also transplant centres :- Liverpool, Nottingham, Oxford, Portsmouth
P326 / Table F.1.3	Truro deaths 44	Truro deaths
Appendix		95% confidence intervals have been calculated using the normal approximation of the poisson

\* Text should read :- The figures showing the percentage in 35 –50 g/L are laboratory harmonised and in addition use a range 30-45 g/L for the centres on BCP.

The upper 90% range for ferritin (haemodialysis) was incorrect

Treatment Centre	% data return	Median ferritin	90% range	Quartile range	% ferritin > 100ug/l
Sthend	100.0	351	190.5-637.5	190.5-422	100.0
Truro	100.0	494	192-1390	192-752	100.0
Notts	95.7	568	214-1122	214-712	99.3
Plym	94.8	484	190-1139	190-643	99.1
Hull	93.6	445	159-794	159-570	98.9
Wrex	86.6	413.5	201-1076	201-597	98.8
Sund	96.5	446.5	162-1177	162-695	98.8
York	91.3	496	268-674	268-567	98.4
Wolve	99.4	514	216-1275	216-736	98.3
StJms	100.0	484.5	177-1122	177-621	97.9
Swmse	79.9	515	123-1000	123-683	97.6
Carls	93.3	404	222-934	222-507	97.6
Crdff	96.4	731	146-1524	146-1037	97.5
Redng	98.7	784	237-1516	237-958.5	97.4
LGI	95.9	430	119-1006	119-638	96.8
Bradf	98.4	272.5	118-837	118-414	96.8
Livrpl	89.5	618	112-1703	112-982	96.1
Carsh	77.8	357.5	106-1095	106-468	94.9
Sheff	98.5	503	101-1151	101-700	94.9
Covnt	99.4	326.5	83-1199	83-579	93.8
Leic	96.7	332	87.5-988.5	87.5-544	93.8
Extr	100.0	272.5	88-758	88-390	93.4
Prstn	96.5	459.5	78-1276	78-781	92.8
Guys	87.9	488	70.5-1519.5	70.5-726	92.5
Words	100.0	312	59-785	59-484	92.4
Oxfrd	98.1	283	65-751	65-441	90.4
SCleve	92.3	291.5	68-1154	68-574.5	88.9
Glouc	100.0	289	44-1171	44-424	87.6
Ports	92.6	219	51-576	51-319	87.3
Derby	83.5	242	27-1215	27-527	76.5
Bristol	99.7	229	27-868	27-411	75.9
Heart	85.8	164	27-421	27-238	73.1
Eng	88.6	395	73-1128	73-599	92.4
Wls	89.4	564	146-1451	146-860	97.8
E&W	88.6	405	77-1171	77-619	92.9