| Registry | Congenital Anomaly with significant cluster | Cases | Cluster Start | Cluster Finish | Duration (days) | probability | cluster investigated? (Y/N) | Investigation details |
|---|---|---|---|---|---|---|---|---|
| **Paris** | Cystic kidney disease | 13 | 23/01/1997 | 15/02/1997 | 23 | 0.01 | Y | No duplicates. No change in registration. No spatial clustering. No particular exposure was identified. Prevalence returned to normal in 1998 |
| **Tuscany** | Cataract | 6 | 04/10/1997 | 09/03/1998 | 156 | 0.01 | | |
| | Hypospadias | 34 | 02/01/2000 | 02/11/2000 | 305 | 0.00 | | |
| | Turner's Syndrome | 6 | 23/04/1996 | 22/09/1996 | 152 | 0.04 | | |
| **Dublin** | Microcephaly | 22 | 02/01/1996 | 10/12/1996 | 343 | 0.03 | | |
| **Galway** | Down Syndrome | 6 | 11/01/1998 | 21/02/1998 | 41 | 0.03 | | |
| **NNetherlands** | Malformations of cardiac septa | 23 | 02/05/1999 | 21/05/2000 | 385 | 0.00 | | |
| | Ventricular septal defect | 15 | 09/02/1999 | 21/05/2000 | 467 | 0.00 | | |
| | Atrial septal defect | 30 | 09/04/1996 | 25/04/1997 | 381 | 0.03 | | |
| | Aortic valve atresia and stenosis | 7 | 25/08/1996 | 26/02/1997 | 185 | 0.03 | | |
| **Glasgow** | Tetralogy of fallot | 5 | 07/06/1996 | 30/07/1996 | 53 | 0.03 | | |
| | Coarctation of aorta | 8 | 01/09/1996 | 29/11/1996 | 89 | 0.05 | | |
| | Tracheo-oesophagal fistula-Oesophageal atresia and stenosis | 5 | 03/12/1996 | 28/01/1997 | 56 | 0.05 | | |
| | Longitudinal reduction defect/shortening of leg | 10 | 12/10/1996 | 25/07/1997 | 286 | 0.03 | | |
| **Emilia Romagna** | Limb reduction | 8 | 12/06/1996 | 04/08/1996 | 53 | 0.04 | N | |
| | Tetralogy of fallot | 10 | 21/06/2000 | 13/10/2000 | 114 | 0.05 | N | |
| **Strasbourg** | Down Syndrome | 10 | 06/10/1997 | 29/10/1997 | 23 | 0.04 | | |
| **Zagreb** | Ano-rectal atresia and stenosis | 7 | 30/05/1997 | 10/01/1998 | 225 | 0.05 | Y | All cases correctly diagnosed and coded, no duplicates, no changes in diagnostic technique. Substantial clinical heterogeneity (different syndromes etc). One case is of 21 week gestation; using EDD increases cluster duration to 312 days. One case has incorrect DOB- thus increasing cluster duration further to 373 days. Not geographically clustered. No common aetiological factor identified |
| **Malta** | Atrioventricular septal defect | 5 | 07/08/1996 | 13/11/1996 | 98 | 0.04 | | |
| **North East Italy** | Ventricular septal defect | 9 | 13/09/1998 | 17/09/1998 | 4 | 0.04 | Y | Cases validated for duplicates. No changes in diagnostic practice. No spatial clustering. No common aetiology identified. |
| | Turner's Syndrome | 5 | 29/03/1999 | 17/04/1999 | 19 | 0.03 | Y | Cases validated for duplicates. No changes in diagnostic practice. No spatial clustering. No common aetiology identified. |
| **Antwerp** | Atrioventricular septal defect | 6 | 06/07/2000 | 12/08/2000 | 37 | 0.00 | Y | No duplicates, all resident in registry area, all confirmed diagnoses. No changes in diagnostic practices or reporting known. Cases from variety of reporting centres. Prevalence returned to normal and remains normal. No environmental concerns in area. Cluster not previously identified. |

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| **Basque Country** | Malformations of the great arteries and veins | 5 | 28/12/1996 | 01/01/1997 | 4 | 0.03 | | |
| | Down Syndrome | 82 | 26/09/1997 | 27/10/1998 | 396 | 0.03 | | |
| **Asturias** | Cystic kidney disease | 5 | 22/09/2000 | 30/10/2000 | 38 | 0.01 | | |
| **Barcelona** | Hypospadias | 16 | 16/10/1996 | 07/09/1997 | 326 | 0.00 | | |
| **North Thames** | Aortic valve atresia and stenosis | 6 | 10/05/2000 | 28/07/2000 | 79 | 0.01 | Y | 1 case (12807) should not have been on the register. She lived and booked out of our region and only transferred for delivery due to the anomaly. That case has now been deleted. None of the cases are duplicates or thought to be related to each other. While they are not strongly geographically clustered, they are all resident in reasonably close proximity to each other. 2 cases were TOPs and 3 were term deliveries. The EDDs ranged from 23/05/00 to 04/11/00. |
| | Monosomies and deletions from the autosomes | 5 | 14/04/1997 | 21/04/1997 | 7 | 0.04 | Y | These 5 cases are all genuine. There are no duplicates and no cases thought to be related to each other. The deletions are from 4 different chromosomes (14,22,13, and 2). The two deletions from chromosome 2 were from different arms. 4 cases were term deliveries with EDDs from 12-18 April. 1 was a TOP with an EDD of 17 October.<br>3 of the term deliveries and the TOP lived fairly near each other. The 4th term delivery lived at quite a distance. 4 of the cases were simple deletions while one (11189) was a complicated 13/14 translocation resulting in a deletion from 13. This does appear to be something of a cluster. We would welcome advice on the expected number of cases during that time and about how we might look into possible exposures. |
| **Campania** | Anomalies of cardiac chambers and connections | 9 | 10/04/1997 | 07/05/1997 | 27 | 0.04 | | |
| | Single ventrical | 5 | 30/09/1997 | 05/11/1997 | 36 | 0.01 | | |
| | Encephalocele | 5 | 16/01/1996 | 29/01/1996 | 13 | 0.00 | | |
| | Hypospadias | 287 | 06/01/1996 | 04/12/1997 | 698 | 0.00 | | |
| **Wales- CARIS** | Malformations of the great arteries and veins | 72 | 06/02/1998 | 18/08/1998 | 193 | 0.04 | N | Not Investigated principally because it seemed to encompass a number of anomalies, rather than one specific anomaly |
| | anencephaly* | 5 | 16/12/1999 | 03/09/2001 | | 0.00 | Y | Case determination: no duplicate records checking on postcode, maternal details. 97% cases detected antenatally, 94% terminated, 65% confirmed by PM. Even geographical distribution of cases reflecting population centres. Conclude no true cluster. |
| *1996-2002 data | | | | | | | | |
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