

---

# Contents

<b>1</b>	<b>A Short History of Birth Defect Epidemiology</b> .....	<b>1</b>
<b>2</b>	<b>Genetic and Non-genetic Factors in the Origin of Congenital Malformations</b> .....	<b>5</b>
<b>3</b>	<b>Ascertainment of Children with Congenital Malformations</b> .....	<b>9</b>
<b>4</b>	<b>Statistical Considerations</b> .....	<b>13</b>
<b>5</b>	<b>Epidemiological Methods</b> .....	<b>17</b>
<b>6</b>	<b>Neural Tube Defects</b> .....	<b>21</b>
<b>7</b>	<b>Microcephaly</b> .....	<b>27</b>
<b>8</b>	<b>Hydrocephaly</b> .....	<b>33</b>
<b>9</b>	<b>Agenesis of Corpus Callosum and Holoprosencephaly</b> .....	<b>37</b>
<b>10</b>	<b>Severe Eye Malformations</b> .....	<b>41</b>
<b>11</b>	<b>Severe Ear Malformations</b> .....	<b>45</b>
<b>12</b>	<b>Cardiovascular Defects</b> .....	<b>49</b>
<b>13</b>	<b>Orofacial Clefts</b> .....	<b>73</b>
<b>14</b>	<b>Atresia or Stenosis of the Alimentary Tract</b> .....	<b>79</b>
<b>15</b>	<b>Pyloric Stenosis</b> .....	<b>85</b>
<b>16</b>	<b>Malrotation of the Gut</b> .....	<b>89</b>
<b>17</b>	<b>Megacolon</b> .....	<b>93</b>
<b>18</b>	<b>Hypospadias</b> .....	<b>95</b>
<b>19</b>	<b>Epispadias, Cloacal and Bladder Exstrophy</b> .....	<b>99</b>
<b>20</b>	<b>Severe Renal Malformations</b> .....	<b>103</b>
<b>21</b>	<b>Posterior Urethral Valve</b> .....	<b>107</b>
<b>22</b>	<b>Pes Equinovarus</b> .....	<b>111</b>
<b>23</b>	<b>Other Foot Deformities Than Pes Equinovarus</b> .....	<b>115</b>
<b>24</b>	<b>Polydactyly and Syndactyly</b> .....	<b>119</b>
<b>25</b>	<b>Limb Reduction Defects</b> .....	<b>123</b>
<b>26</b>	<b>Craniostenosis</b> .....	<b>129</b>
<b>27</b>	<b>Diaphragmatic Hernia</b> .....	<b>133</b>
<b>28</b>	<b>Abdominal Wall Defects</b> .....	<b>137</b>

---

<b>29</b>	<b>Children with Multiple Malformations</b> . . . . .	143
<b>30</b>	<b>Syndromes</b> . . . . .	147
<b>31</b>	<b>Down Syndrome</b> . . . . .	151
<b>32</b>	<b>Explanation and Prevention of Birth Defects</b> . . . . .	157
<b>33</b>	<b>Eight Commandments: Rules for the Interpretation of Birth Defect Epidemiology Studies</b> . . . . .	167
	<b>Index</b> . . . . .	169