

APPENDIX ABASIS FOR PROJECTED FIGURES IN STATEMENT OF NEED.1. DEFINITIONS

Cardiac surgery is of 2 types:

- 1.1 Open heart operations, whereby the heart can be excluded from the normal circulation by using the cardio-pulmonary bypass technique (heart-lung machine) to allow the surgeon to operate within an empty heart.

These operations include

- i) Coronary artery bypass (or vein graft) operations.
- ii) Heart valve replacements.
- iii) Most operations for congenital heart defects.

- 1.2 Closed heart operations, whereby the heart remains within the normal circulation. These operations are almost always undertaken for congenital defects affecting the major arteries outside the heart.

2. CURRENT ACTUAL CASE LOAD (1982-3 figures)2.1 Operations: (per annum)

|          |                          |            |   |            |
|----------|--------------------------|------------|---|------------|
| Adults   | Open heart (Bristol)     | 200        | = | 400        |
|          | Open heart (London)      | <u>200</u> |   |            |
| Children | Open Heart (Bristol BRI) | 75         | = | <u>125</u> |
|          | Closed heart " BCH)      | <u>50</u>  |   |            |
| Total:   |                          |            |   | <u>525</u> |

- NOTES: (a) In September 1983, 176 people were on the waiting list for open heart surgery, of whom 50-60 were small children, and 32 had been waiting for more than a year.  
 (b) The small increase of 100 open heart operations this year from 275 to 375 will not influence the waiting list significantly.  
 (c) The 125 children come from all parts of the region and beyond. Only about 10% of operations on children from the region are currently performed outside the region.

2.2 Cardiac Catheterisations: (per annum)

|          |            |           |
|----------|------------|-----------|
| Adults   | 660        | Total 880 |
| Children | <u>220</u> |           |

- 2.3 Ratio: Hence, the present ratio of operations to catheterisations (525 to 880) is 0.6