

# **Predicted Final Size of MaGiCAD**



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## **INTRODUCTION**

MaGiCAD was begun with the aim of recruiting only 400 patients. Since then, the initial scope of MaGiCAD has expanded significantly, and the latest estimates of the final size of MaGiCAD were made two years ago. These initial estimates were made on the early data from the Admissions database, and predicted that 1650 patients would be required to recruit at least 50 from each category of disease status and sex. Now we are over half-way past our target, we are able to update this estimate much more accurately.

## **METHODS**

The latest data from the MaGiCAD databases was exported and the frequencies of the patients in the following disease and sex categories determined: NCA, mild, 1VD, 2VD and 3VD for men and women separately.

For the independent reads less information was available. Therefore, although it includes some angiograms read by more than one angiographer, all data for all angiographers was summed to produce a total frequency of patients in the 10 categories. Final estimates of the size of MaGiCAD were then produced from this summed data.

## **RESULTS**

### **1. Based on Medical Records Data**

Data from the medical angiogram reads are as follows:

Female	NCA	90
	Mild	52
	1VD	54
	2VD	44
	3VD	27
Male	NCA	79
	Mild	64
	1VD	162
	2VD	146
	3VD	154
Total patients		872

For 50 of the Female 2VD, we would require another 119 patients, or a total of 991

For 50 of the Female 3VD, we would require another 743 patients, or a total of 1615

## 2. Based on the Independent Reads Data

Data from the independent reads are as follows. The data for each independent angiographer are shown separately, although all calculations were performed on the sum of the data.

		PMS	SCC	DMcN	SK	SUM
Female	NCA	28	27	17	2	74
	Mild	26	9	10	1	46
	1VD	25	23	10	1	59
	2VD	13	12	6	1	32
	3VD	15	8	5	0	28
Male	NCA	26	22	12	3	63
	Mild	25	27	15	3	70
	1VD	63	36	21	6	126
	2VD	58	39	34	3	134
	3VD	79	59	28	4	170
Total		358	262	158	24	802

For 50 of the Female 2VD, we would require another 348 patients, or a total of 1253

For 50 of the Female 3VD, we would require another 527 patients, or a total of 1432

## CONCLUSIONS

The final number of MaGiCAD patients required is estimated as 1615 from the medical angiogram reads, and as 1432 from the independent angiogram reads.

The estimate of 1615 is very similar to the original estimate of 1650 made two years ago from the Admissions database. However, the incidence of female 3VDs is higher in the independent reads, suggesting that the total number of patients required for MaGiCAD is nearer to 1500. With 872 patients currently recruited, we are approximately 60% of the way to the target.