Appendix B1: General model results using various cut-off values

General model 1

1.   cut-off = 0.2, sensitivity = 1.00, specificity = 0.004

		Clinician urgency (clinical assessment of urgency)		
		≤6 months (+ve)	7+ months (-ve)	Total
Test result	≤6 months +ve	58	41 (FP)	99
(based on predictor variables)	7+ months -ve	0 (FN)	1	1
	Total	**58**	**42**	**100**

2.   cut-off = 0.4, sensitivity = 0.85, specificity = 0.46

		Clinician urgency (clinical assessment of urgency)		
		≤6 months (+ve)	7+ months (-ve)	Total
Test result	≤6 months +ve	49	23 (FP)	72
(based on predictor variables)	7+ months -ve	9 (FN)	19	28
	Total	**58**	**42**	**100**

3.   cut-off = 0.5, sensitivity = 0.77, specificity = 0.63

		Clinician urgency (clinical assessment of urgency)		
		≤6 months (+ve)	7+ months (-ve)	Total
Test result	≤6 months +ve	45	16 (FP)	61
(based on predictor variables)	7+ months -ve	13 (FN)	26	39
	Total	**58**	**42**	**100**

4.   cut-off = 0.57, sensitivity = 0.71, specificity = 0.73

		Clinician urgency (clinical assessment of urgency)		
		≤6 months (+ve)	7+ months (-ve)	Total
Test result	≤6 months +ve	41	11 (FP)	52
(based on predictor variables)	7+ months -ve	17 (FN)	31	48
	Total	**58**	**42**	**100**

5.   cut-off = 0.6, sensitivity = 0.67, specificity = 0.76

		Clinician urgency (clinical assessment of urgency)		
		≤6 months (+ve)	7+ months (-ve)	Total
Test result	≤6 months +ve	39	10 (FP)	49
(based on predictor variables)	7+ months -ve	19 (FN)	32	51
	Total	**58**	**42**	**100**

6.   cut-off = 0.7, sensitivity = 0.51, specificity = 0.87

		Clinician urgency (clinical assessment of urgency)		
		≤6 months (+ve)	7+ months (-ve)	Total
Test result	≤6 months +ve	30	5 (FP)	35
(based on predictor variables)	7+ months -ve	28 (FN)	37	65
	Total	**58**	**42**	**100**

7.   cut-off = 0.8, sensitivity = 0.34, specificity = 0.94

		Clinician urgency (clinical assessment of urgency)		
		≤6 months (+ve)	7+ months (-ve)	Total
Test result	≤6 months +ve	20	3 (FP)	23
(based on predictor variables)	7+ months -ve	38 (FN)	39	77
	Total	**58**	**42**	**100**

8.   cut-off = 0.9, sensitivity = 0.15, specificity = 0.98

		Clinician urgency (clinical assessment of urgency)		
		≤6 months (+ve)	7+ months (-ve)	Total
Test result	≤6 months +ve	9	1 (FP)	10
(based on predictor variables)	7+ months -ve	49 (FN)	41	90
	Total	**58**	**42**	**100**

Note: FP = false positive, FN = false negative

General model 2

1. cut-off = 0.1, sensitivity = 1.00, specificity = 0.03

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
Test result	≤3 months +ve	40	58 (FP)	98
(based on predictor variables)	4+ months -ve	0 (FN)	2	2
	Total	**40**	**60**	**100**

2. cut-off = 0.2, sensitivity = 0.92, specificity = 0.32

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
Test result	≤3 months +ve	37	41 (FP)	78
(based on predictor variables)	4+ months -ve	3 (FN)	19	22
	Total	**40**	**60**	**100**

3. cut-off = 0.3, sensitivity = 0.78, specificity = 0.58

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
Test result	≤3 months +ve	31	25 (FP)	56
(based on predictor variables)	4+ months -ve	9 (FN)	35	44
	Total	**40**	**60**	**100**

4. cut-off = 0.4, sensitivity = 0.63, specificity = 0.74

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
Test result	≤3 months +ve	25	16 (FP)	41
(based on predictor variables)	4+ months -ve	15 (FN)	44	59
	Total	**40**	**60**	**100**

5. cut-off = 0.5, sensitivity = 0.50, specificity = 0.85

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
Test result	≤3 months +ve	20	9 (FP)	29
(based on predictor variables)	4+ months -ve	20 (FN)	51	71
	Total	**40**	**60**	**100**

6.   cut-off = 0.6, sensitivity = 0.40, specificity = 0.92

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
Test result (based on predictor variables)	≤3 months +ve	16	5 (FP)	21
	4+ months -ve	24 (FN)	55	79
	Total	**40**	**60**	**100**

7.   cut-off = 0.7, sensitivity = 0.27, specificity = 0.96

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
Test result (based on predictor variables)	≤3 months +ve	11	2 (FP)	13
	4+ months -ve	29 (FN)	58	87
	Total	**40**	**60**	**100**

8.   cut-off = 0.8, sensitivity = 0.16, specificity = 0.99

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
Test result (based on predictor variables)	≤3 months +ve	6	1 (FP)	7
	4+ months -ve	34 (FN)	59	93
	Total	**40**	**60**	**100**

9.   cut-off = 0.9, sensitivity = 0.05, specificity = 1.00

		Clinician urgency (clinical assessment of urgency)		
		≤3 months (+ve)	4+ months (-ve)	Total
	≤3 months +ve	2	0 (FP)	2
Test result (based on predictor variables)	4+ months -ve	38 (FN)	60	98
	Total	**40**	**60**	**100**

Note: FP = false positive, FN = false negative