	England						ECRIC Area					
	Cervical			Colorectal			Breast		Lung		Prostate	
Characteristic	OR	95% CI		OR	95% CI		OR	95% CI	OR	95% CI	OR	95% CI
Sex												
Male	-			1.0			-		1.0		-	
Female	-	-		1.2	(1.2-1.3)		-	-	1.1	(1.0-1.3)	-	-
Stage			Stage			Stage						
FIGO 1	1.0		Dukes A	1.0		TNM 1	1.0		1.0		-	
FIGO 2	3.9	(2.9-5.2)	Dukes B	3.5	(3.2-3.8)	TNM 2	1.6	(1.1-2.3)	1.0	(0.8-1.4)	1.0	
FIGO 3	7.7	(5.7-10.5)	Dukes C	4.6	(4.2-5.0)	TNM 3	6.9	(4.7-10.3)	1.9	(1.6-2.3)	1.4	(1.0-1.9)
FIGO 4	16.7	(12.3-22.5)	Dukes D	7.4	(6.7-8.1)	TNM 4	33.4	(23.2-48.2)	3.7	(3.1-4.4)	7.0	(5.8-8.5)
Age												
0-24	1.2	(0.6-2.5)		2.4	(1.4-4.0)		-		-		-	
25-64	1.0			1.0			1.0		1.0		1.0	
65-84	1.3	(1.0-1.6)		1.1	(1.1-1.2)		2.9	(2.2-3.8)	1.4	(1.3-1.6)	1.6	(1.2-2.1)
85+	2.6	(1.7-4.0)		2.3	(2.1-2.5)		9.9	(7.0-14.2)	3.8	(3.2-4.6)	6.7	(4.9-9.2)
Co-morbidity												
Charlson 0	1.0			1.0			1.0		1.0		1.0	
Charlson 1	1.1	(0.7-1.7)		1.4	(1.3-1.5)		1.3	(0.8-2.0)	1.3	(1.1-1.5)	1.2	(0.9-1.6)
Charlson 2	1.0	(0.4-2.1)		1.3	(1.2-1.4)		1.7	(0.9-3.4)	1.3	(1.0-1.7)	1.7	(1.2-2.5)
Charlson 3+	2.2	(0.9-5.1)		1.7	(1.5-2.0)		1.9	(0.8-4.8)	1.6	(1.2-2.1)	1.5	(0.9-2.5)
Income Deprivation												
Least deprived	1.0			1.0			1.0		1.0		1.0	
2	1.4	(0.9-2.0)		1.0	(1.0-1.1)		0.8	(0.5-1.1)	1.1	(0.9-1.3)	1.0	(0.8-1.3)
3	1.6	(1.1-2.4)		1.1	(1.1-1.2)		0.9	(0.7-1.3)	1.1	(1.0-1.3)	1.3	(1.0-1.7)
4	1.4	(0.9-2.0)		1.2	(1.1-1.3)		1.0	(0.7-1.5)	1.2	(1.0-1.4)	1.4	(1.0-1.8)
Most Deprived	1.8	(1.2-2.6)		1.5	(1.4-1.6)		1.2	(0.7-1.9)	1.4	(1.2-1.8)	1.7	(1.2-2.5)
Abbreviations: ECRIC = Eastern Cancer Registration and Information Centre; OR = odds ratio; CI = confidence interval												

Table 2b *For complete cases only*. **Odd ratios for Emergency Presentation and 95% confidence intervals from a multivariate logistic model. Persons resident in England (cervical and colorectal) or the ECRIC registration area (breast, lung, and prostate) diagnosed in 2006-2008.**

Period/Characteristic	England				ECRIC registration area					
	Cervical		Colorectal		Breast		Lung		Prostate	
	EMRR	95%CI	EMRR	95%CI	EMRR	95%CI	EMRR	95%CI	EMRR	95%CI
0-1 month										
Presentation route	10.4	(5.2 - 21.1)	7.1	(6.4 - 7.7)	18.7	(9.8 - 35.7)	5.2	(4.5 - 5.9)	13.3	(5.5 - 31.9)
Age	1.7	(1.2 - 2.4)	2.1	(2.0 - 2.3)	1.8	(1.3 - 2.5)	1.6	(1.5 - 1.8)	2.3	(1.4 - 3.8)
Co-morbidity	1.3	(0.8 - 1.9)	1.2	(1.1 - 1.2)	1.4	(1.0 - 2.0)	1.0	(1.0 - 1.1)	1.4	(1.1 - 1.9)
Sex	-	-	1.0	(0.9 - 1.1)	-	-	0.9	(0.8 - 1.0)	-	-
Income deprivation	1.0	(0.8 - 1.2)	1.1	(1.1 - 1.1)	1.1	(0.9 - 1.4)	1.0	(1.0 - 1.1)	1.0	(0.8 - 1.3)
Stage	2.4	(1.8 - 3.3)	2.0	(1.9 - 2.1)	3.8	(2.7 - 5.4)	1.5	(1.4 - 1.7)	2.6	(1.6 - 4.3)
1-3 months										
Presentation route	2.3	(1.5 - 3.4)	2.1	(2.0 - 2.3)	2.4	(1.3 - 4.2)	2.4	(2.1 - 2.6)	5.2	(3.2 - 8.5)
Age	2.3	(1.8 - 3.1)	1.9	(1.8 - 2.0)	1.8	(1.2 - 2.7)	1.4	(1.3 - 1.6)	2.3	(1.5 - 3.3)
Co-morbidity	1.3	(1.0 - 1.7)	1.2	(1.1 - 1.3)	0.6	(0.2 - 2.0)	1.1	(1.1 - 1.2)	1.2	(0.9 - 1.6)
Sex	-	-	1.0	(0.9 - 1.1)	-	-	1.0	(0.9 - 1.1)	-	-
Income deprivation	1.0	(0.9 - 1.2)	1.1	(1.0 - 1.1)	1.1	(0.9 - 1.3)	1.0	(1.0 - 1.1)	1.1	(0.9 - 1.3)
Stage	2.9	(2.3 - 3.6)	3.8	(3.6 - 4.1)	14.4	(5.9 - 35.1)	1.9	(1.8 - 2.1)	3.6	(2.3 - 5.8)
3-6 months										
Presentation route	2.5	(1.7 - 3.8)	1.8	(1.7 - 2.0)	2.1	(1.1 - 4.0)	1.9	(1.6 - 2.2)	6.1	(3.6 - 10.4)
Age	2.1	(1.6 - 2.9)	1.5	(1.4 - 1.7)	1.9	(1.3 - 2.9)	1.4	(1.3 - 1.6)	1.5	(1.0 - 2.2)
Co-morbidity	1.1	(0.8 - 1.5)	1.2	(1.1 - 1.3)	1.7	(1.1 - 2.4)	1.0	(1.0 - 1.2)	2.0	(1.6 - 2.4)
Sex	-	-	1.1	(1.0 - 1.2)	-	-	0.9	(0.8 - 1.0)	-	-
Income deprivation	1.1	(0.9 - 1.2)	1.0	(1.0 - 1.1)	1.3	(1.0 - 1.6)	1.0	(1.0 - 1.1)	0.9	(0.8 - 1.1)
Stage	3.0	(2.4 - 3.7)	5.4	(5.0 - 5.9)	6.2	(4.2 - 9.3)	1.9	(1.8 - 2.1)	2.2	(1.6 - 3.0)
6-12 months										
Presentation route	2.7	(2.0 - 3.6)	1.9	(1.7 - 2.1)	2.1	(1.3 - 3.4)	1.3	(1.2 - 1.5)	2.4	(1.5 - 3.7)
Age	1.4	(1.1 - 1.8)	1.3	(1.2 - 1.4)	1.8	(1.3 - 2.4)	1.3	(1.2 - 1.5)	1.0	(0.7 - 1.5)
Co-morbidity	1.4	(1.1 - 1.7)	1.2	(1.1 - 1.3)	1.6	(1.3 - 2.1)	1.0	(0.9 - 1.1)	1.5	(1.2 - 1.9)
Sex	-	-	1.1	(1.1 - 1.2)	-	-	0.9	(0.8 - 1.0)	-	-
Income deprivation	1.1	(1.0 - 1.2)	1.1	(1.0 - 1.1)	1.0	(0.9 - 1.2)	1.0	(1.0 - 1.1)	1.0	(0.9 - 1.2)
Stage	2.5	(2.2 - 2.9)	5.3	(4.9 - 5.7)	4.6	(3.7 - 5.7)	1.9	(1.8 - 2.0)	5.8	(3.3 - 10.1)
Abbreviations: EMRR = Excess Mortality Rate Ratio; CI = confidence interval										

Table 3b *For complete cases only.* Excess mortality rate ratios and 95% confidence intervals at 0-1, 1-3, 3-6, and 6-12 months after diagnosis from a multivariate model. Rate ratios show the increase in excess mortality in the period per step increase in presentation (non-emergency or emergency), age (25-64, 65-84, or 85+), Co-morbidity (Charlson 0, 1, 2, 3+), sex (male or female), income deprivation (quintiles from least to most income deprivation), or stage (increasing FIGO, Dukes or TNM integrated stage on a four point scale). The model included persons resident in England (cervical and colorectal cancer) or the ECRIC registration area (breast, lung, and prostate cancer) diagnosed in 2006-2008.