**N. Ireland Cancer Registry**

**Implications of Research for Services**

|  |  |
| --- | --- |
|  | NICR Lead Author      *(Office use only)* |
|  | Paper ID      *(Office use only)* |
|  | Date Submitted to NICR Steering Group Click here to enter a date.*(Office use only)* |
| **Paper Title** | Diagnostic routes and time intervals for patients with colorectal cancer in 10 international jurisdictions; findings from a cross-sectional study from the International Cancer Benchmarking Partnership (ICBP) |
| **Authors** | David Weller, Usha Menon, Alina Zalounina Falborg, Henry Jensen, Andriana Barisic, Anne Kari Knudsen, Rebecca J Bergin, David H Brewster, Victoria Cairnduff, Anna T Gavin, Eva Grunfeld, Elizabeth Harland, Mats Lambe, Rebecca-Jane Law, Yulan Lin, Martin Malmberg, Donna Turner, Richard D Neal, Victoria White, Samantha Harrison, Irene Reguilon, ICBP Module , Working Group, Peter Vedsted |
| **Journal** | British Medical Journal Open |
| **DOI** | doi.org/10.1136/bmjopen-2018-023870  |
| **Funders** | Multiple including Public Health Agency for Northern Ireland |
| **Full paper available online** | YES [x]  NO [ ]  NOT YET [ ]  |
| **Conclusion** | The main route to diagnosis for patients was symptomatic presentation and the most commonly reported symptom was ‘bleeding/blood in stool’. The median intervals between jurisdictions ranged from: 21 to 49 days (patient) (NI35); 0 to 12 days (primary care) NI=0 ; 27 to 76 days (diagnostic) NI=64; and 77 to 168 days (NI111) (total, from first symptom to treatment start). Including screen-detected cases did not significantly alter the overall results. ICBP M4 demonstrates important differences in time intervals between 10 jurisdictions internationally.Survival at one and five years improved in all areas including Northern Ireland. 568 patients were included from Northern Ireland, 59% were male, 55% no comobidity, 84% presented symptomaticaly, 6.5% via A&E 13.8% screening.  |
| **What this means for the service** | The differences may justify efforts to reduce intervals in some jurisdictions. |