



## Worcestshire Health Libraries

Please find below the results of your literature search request. If you would like the full text of any of the abstracts included, or would like a further search completed on this topic, please let us know.

### Search details

**Search completed for:** xxxxxxxx

**Date of search:** 26<sup>th</sup> and 30<sup>th</sup> August 2011

**Time taken:** 3 hours

**Search completed by:** Richard Brook

**Email address for follow-up:** Margaret.Rowley@worsacute.nhs.uk

### Enquiry details

Where would I obtain a list of best practice clinical Care pathways, which have proven to show, reduction in length of stay, cost reduction, better patient outcome and better quality care?

### Methods of literature search

We do not currently have the capacity to read, appraise and synthesise all of the articles and documents that may be relevant to your question.

However, we aim to:

- Include as few documents as possible so that you can focus on the most relevant information
- Organise results by publication types, e.g. guidance, synopses, original research, service examples, etc.
- Read the key texts and extract the most relevant passages
- Attach a full search strategy as an appendix

The sources searched and limits used in this search were as follows:

Databases: EMBASE, MEDLINE, CINAHL

NHS Evidence: a web-based portal that gives access to authoritative clinical and non-clinical evidence and best practice.

Google Advanced search engine

Map of medicine case studies

Terms searched: "Care pathway", improve\*, reduc\*, cost, better, faster and efficient – see appendix for search strategy

## Opening Internet Links

The links to internet sites in this document are 'live' and can be opened by holding down the CTRL key on your keyboard while clicking on the web address with your mouse

## Full Text Papers

Links are given to full text resources where available. For some of the papers, you will need a free **NHS Athens Account**. If you do not have an account you can register by following the steps at:

<https://register.athensams.net/nhs/nhseng/>.

You can then access the papers by simply entering your username and password. If you do not have easy access to the internet to gain access, please let us know and we can download the papers for you.

## Guidance on Searching within Online Documents

Links are provided to the full text of each of these documents. Relevant extracts have been copied and pasted into these Search Results. Rather than browse through often lengthy documents, you can search for specific words and phrases as follows:

### Portable Document Format / pdf / Adobe

Click on the Search button (illustrated with binoculars). This will open up a search window. Type in the term you need to find and links to all of the references to that term within the document will be displayed in the window. You can jump to each reference by clicking it. You can search for more terms by pressing 'search again'.

### Word documents

Select Edit from the menu, the Find and type in your term in the search box which is presented. The search function will locate the first use of the term in the document. By pressing 'next' you will jump to further references.

## Key results found by the library and knowledge service

### Overview of findings

I found a few things on NHS Evidence which are listed below. I have selected them by looking at the abstracts. I have also done a search of healthcare databases and the results are included. They are commentaries on pathways rather than the pathways themselves.

### Guidance (national and international)

National Institute for Health and Clinical Excellence

[Developing a care pathway:- What is the best care pathway for people with borderline personality disorder? A mixed-methods cohort study examining the care???](#)

Published 28/01/2009

### Reports

NHS Economic Evaluation Database

[Shortened length of stay and hospital cost reduction with implementation of an accelerated clinical care pathway after elective colon resection](#)

Published 31/05/2005

### Systematic reviews

None

2006 – current

1. [Shortened length of stay and hospital cost reduction with implementation of an accelerated clinical care pathway after elective colon resection](#)

**Bibliographic details**

Stephen A E, Berger D L. Shortened length of stay and hospital cost reduction with implementation of an accelerated clinical care pathway after elective colon resection. Surgery 2003; 133(3): 277-282

2. [Clinical pathways: effects on professional practice, patient outcomes, length of stay and hospital costs](#)

Published 17/03/2010

**Background**

Clinical pathways are structured multidisciplinary care plans used by health services to detail essential steps in the care of patients with a specific clinical problem. They aim to link evidence to practice and optimise clinical outcomes whilst maximising clinical efficiency.

**Objectives**

To assess the effect of clinical pathways on professional practice, patient outcomes, length of stay and hospital costs

2000 - 2005

1. [Clinical care pathway for head and neck cancer: a valuable tool for decreasing resource utilization](#)

Published 30/09/2003

**Bibliographic details**

Gendron K M, Lai S Y, Weinstein G S, Chalian A A, Husbands J M, Wolf P F, DiDonato L, Weber R S. Clinical care pathway for head and neck cancer: a valuable tool for decreasing resource utilization. Archives of Otolaryngology Head and Neck Surgery 2002; 128(3): 258-262

2. [Decreasing carotid endarterectomy length of stay at a university hospital](#)

Published 30/11/2002

**Bibliographic details**

Su L T, Carpenter J P. Decreasing carotid endarterectomy length of stay at a university hospital. Cardiovascular Surgery 1999; 7(3): 292-297

3. [Implementation of a clinical pathway decreases length of stay and cost for bowel resection](#)

Published 31/01/2002

**Bibliographic details**

Pritts T A, Nussbaum M S, Flesch L V, Fegelman E J, Parikh A A, Fischer J E. Implementation of a clinical pathway decreases length of stay and cost for bowel resection. Annals of Surgery 1999; 230(5): 728-733

4. [Reducing clinical variations with clinical pathways: do pathways work?](#)

Published 11/12/2003

Clinical pathways in 6 health care sites in Italy were tested. Indicators were created to measure variations in care processes and outcomes. Reductions in health care macro variation phenomena (length of stay, patient pathways etc) and in performance micro-variation (diagnostic and therapeutic prescriptions etc) were shown. An improvement in outcome for patients treated according to a clinical pathway for heart failure was demonstrated.

## 1990s

### 1. Pulmonary lobectomy patient care pathway: a model to control cost and maintain quality

Published 31/05/1999

Wright C D, Wain J C, Grillo H C, Moncure A C, Macaluso S M, Mathisen D J. Pulmonary lobectomy patient care pathway: a model to control cost and maintain quality. *Annals of Thoracic Surgery* 1997; 64(2): 299-302

### 2. Care pathway reduces hospitalizations and cost for hemodialysis vascular access surgery

Published 30/11/1998

#### **Bibliographic details**

Becker B N, Breiterman-White R, Nylander W, Van Buren D, Fotiadis C, Richie R E, Schulman G. Care pathway reduces hospitalizations and cost for hemodialysis vascular access surgery. *American Journal of Kidney Diseases* 1997; 30(4): 525-531

### 3. A community hospital-based congestive heart failure program: impact on length of stay, admission and readmission rates, and cost

Published 30/11/1999

#### **Bibliographic details**

Rauh R A, Schwabauer N J, Enger E L, Moran J F. A community hospital-based congestive heart failure program: impact on length of stay, admission and readmission rates, and cost. *American Journal of Managed Care* 1999; 5(1): 37-43

### 4. Utility of clinical pathway and prospective case management to achieve cost and hospital stay reduction for aortic aneurysm at a tertiary care hospital

Published 30/09/1998

#### **Bibliographic details**

Muluk S C, Painter L, Sile S, Rhee R Y, Makaroun M S, Steed D L, Webster M W. Utility of clinical pathway and prospective case management to achieve cost and hospital stay reduction for aortic aneurysm at a tertiary care hospital. *Journal of Vascular Surgery* 1997; 25(1): 84-93

## Service examples / Institutional publications

### Map of Medicine case studies

[http://www.institute.nhs.uk/quality\\_and\\_value/experienced\\_based\\_design/case\\_studies.html](http://www.institute.nhs.uk/quality_and_value/experienced_based_design/case_studies.html)

### NHS Improvement

#### The best of clinical pathway redesign - practical examples delivering benefits to patients

Published 25/07/2011

## Additional information

None

## Search strategy

1. EMBASE, MEDLINE, CINAHL; ("care pathway" AND (improv\* OR reduction OR cost OR better OR faster OR efficient\*));ti; 45 results.

2. EMBASE, MEDLINE, CINAHL; ("care pathway" AND (improv\* OR reduc\* OR cost OR better OR faster OR efficient\*));ti; 51 results.