

Single View of Patient Care Pathways (PCP)

Empowering Patient Care Pathway Delivery



These are challenging times for the National Health Service:

For the foreseeable future the National Health Service must rise to the challenge of providing first rate patient outcomes and clinical effectiveness while operating with constrained resources. Between 2011 and 2014 the NHS needs to find £20 bn in efficiency savings while responding to Government plans to achieve a more patient centric health service.

Reducing variation to unlock value

The NHS atlas of variation shows for the second year in a row significant unjustified variation in care and healthcare spending between regions. With spending on areas of care such as mental health, diabetes, dementia and some cancers showing as much as two fold variation in spending, there has never been a more important time to improve care pathway management.

“Information, combined with the right support, is the key to better care, better outcomes, and reduced costs.”

Equity & Excellence: Liberating the NHS

Ministers have emphasised the Government’s priorities on making the patient the starting point of everything, including health service funding through the NHS Commissioning Board and GP Commissioners. Thankfully, the National Health Service is awash with patient information upon which to build these patient centric initiatives; the challenge now is how to unlock the power and potential of these key assets across Primary & Secondary care.

A Powerful Combination

The Entity Single View of Patient Care Pathway service (PCP) enables a healthcare organisation to efficiently manage

the pathway of care for patients, once they have been diagnosed and the care pathway identified. The objective of the service is to both save significant cost (millions of pounds for a trust for each care pathway developed) and to improve the quality of care that is provided.

Bringing Patient Data Together

Entity’s PCP aggregates data in your existing operational systems (PAS, PACS, RIS, Pathology, mental health and community EPRS, primary care, risk management, pharmacy systems and patient level costing). It provides one single cross enterprise view of the patient information. It creates a central index where you can find data about any patient and determine which source systems their data reside in. Entity PCP keeps existing systems in place with no need to change, remove, or replace anything.

Entity PCP uses sophisticated matching algorithms to link records for the same patient. It incorporates various fuzzy matching and searching techniques to determine whether Mrs Clare Smith at 52, Erwin Road and Mrs Claire Smith at 52, Irwin Road are one and the same person. This is important when that same patient may have appeared in numerous care situations over a number of years, have changed addresses, or, indeed, have different versions of her name or surname.

Structuring Care Pathways

Clinical care pathways are structured, multidisciplinary plans of care. They are designed to support clinical management, clinical and non-clinical resource management, clinical audit and also financial management. They provide detailed guidance for each stage in the management of

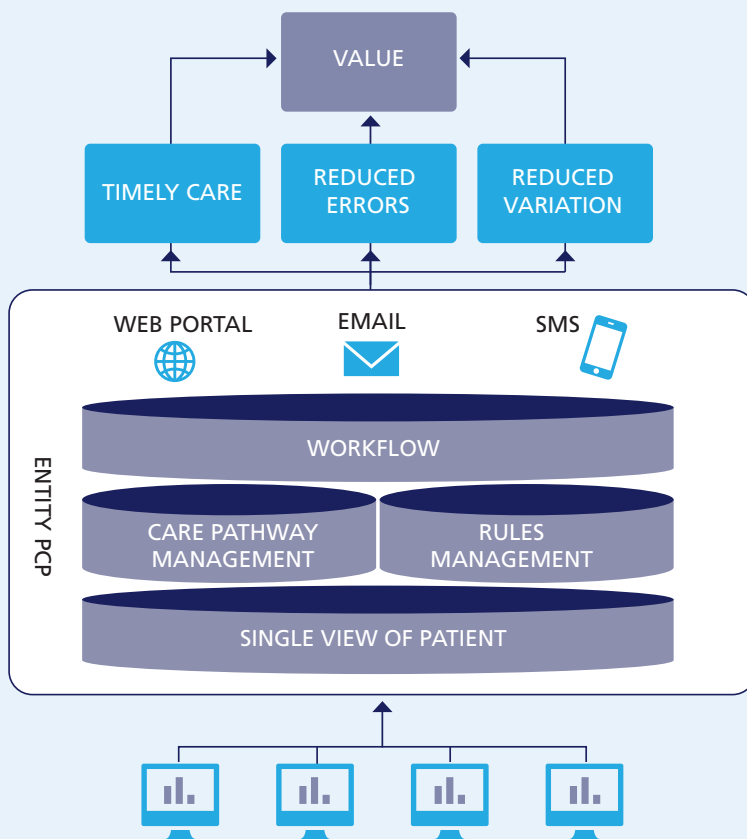


a patient (treatments, interventions, etc.) with a specific condition over a given time period, and include progress and outcomes details. Care Pathways aim to improve, in particular, the continuity and co-ordination of care across different disciplines and sectors. Care pathways offer a flow chart format of the decisions to be made and the care to be provided for a given patient or patient group for a given condition.

Entity's Patient Care Pathways (PCP) service creates a trusted, aggregated, view of information relating to

the patient and then provides rules management and workflow processes to manage the individual elements of specific care pathways. For instance a rule may trigger if a service level for a patient visit has been missed or if a patient has had too many visits over a defined period. Entity PCP is inter-operable between multiple disciplines, systems, regions, trusts and care settings. The rules and workflow processes are run against the aggregated and cleaned view of the data from multiple line of business systems.

How Entity PCP Does It



- Entity PCP is designed to scale from a simple low cost and low risk implementation for a single functional business unit up to accommodate all of the needs of complete NHS trust or region.
- Proven to scale from thousands to billions of records of patient data.
- Configurable for true real-time integration, search, match and link should business requirements demand.
- Built in security model.
- Triggered events within care pathways.
- Management portal for reporting and to view and work the rules fired for users' attention.
- Configurable email and text alerts.
- Tracking and alerting and intervention in care pathways in breach of local and national policies and standards.
- Enables tracking and alerting against care pathway currencies and tariffs.

How Entity PCP Enhances Patient Centricity

- Recognises the patient at all points of service.
- Reduces care pathway variation and improves clinical productivity and quality, through the application of business rules technology and work flow processes to nominated clinical care pathways.
- Reduces error or missed care and treatment giving opportunities – rules check for and catch common errors or missed care giving opportunities enabling interruption of care pathway to address error or fill gap.
- Ensures that each step is presented to the clinician in an appropriate order.
- Allows Timely Care – clinicians are better informed when treating patients, are able to provide better patient care, and perform fewer unnecessary tests.
- Creates an audit trail versus what is actually recorded as the chosen option.
- Allows better use of resources and increases collaboration between disciplines, professionals and agencies.
- Promotes benchmarking by clinicians, which improves service quality and outcomes.
- Entity PCP is available both as Software-as-a-Service and as an in-house deployed application, depending on commercial preferences.

Right Patient, Right Care, Right Time, Every time!

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