

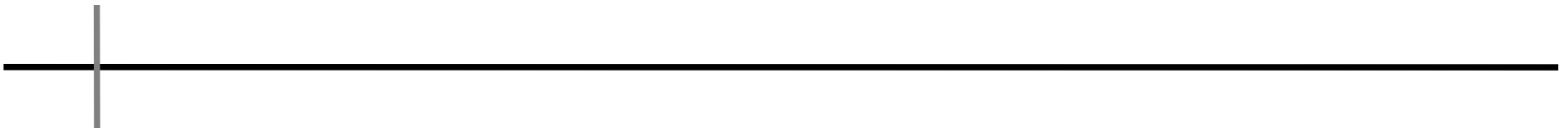
# Engaging with Information using The Health Care Domains Model

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PGCE**



# Health + Information?

First and foremost:

Health care workers are *existential informaticians*

Health is information intensive (HealthIT !)

'Your' health is the most important commodity to you – your family....

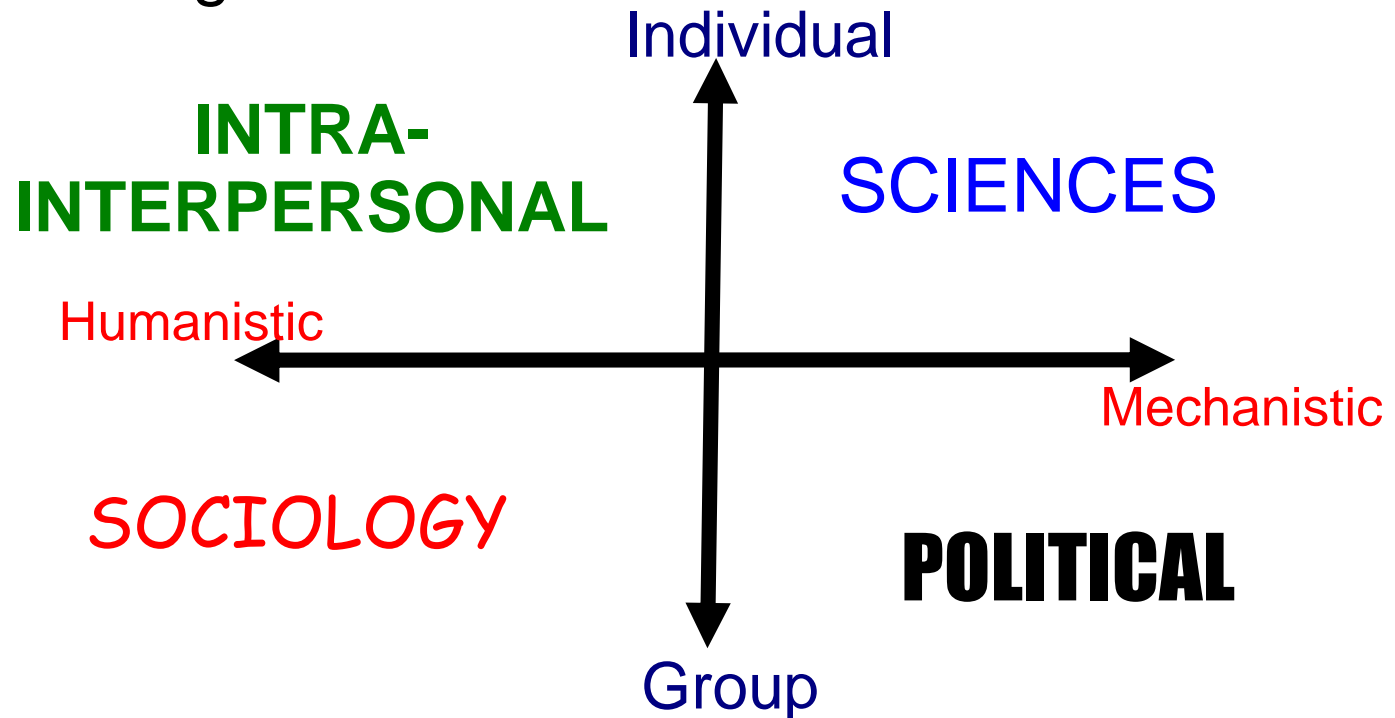
Increasingly important to governments too.

“Know thyself” must include awareness of health & well-being

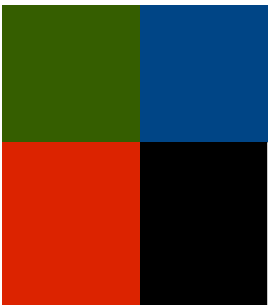
Health is not always 'binary' (uncertainty prevails)

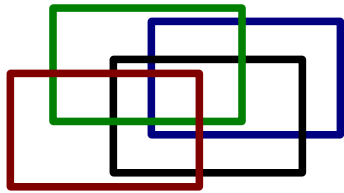
# Engaging with Information

Exploring the dimensions of engaging with information within health and social care using the generic conceptual framework Hodges' model:



the **SPIRITUAL** domain comprises all four





## Health care ...

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Data: Values e.g. T, P, R, BP

Information: Demographics,  
Care plan, relapse  
prevention, crisis  
intervention contacts

Knowledge: Diabetes self-  
care, physical-mental  
anxiety management

Wisdom: Well-being of self,  
family

Assess

Plan

Intervention

Evaluation

F-2-F

Interviews

Treatments /  
Interventions

Letters

Case notes

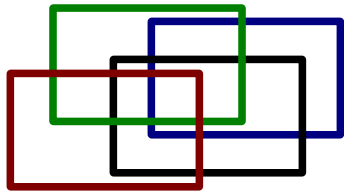
Electronic:

- Px, finance

- Records

- X-Rays, fMRI

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## Information in the model ...

### INTERPERSONAL

Philosophy, Cognitive science

*Data : Information : Knowledge : Wisdom*

Intelligence, Representation, Delusions,  
Hallucinations Perception, Memory,

SENDER, CHANNEL,

DISEASE as NOISE

E.g. dem-nt-a Depression

Literacies, Semiotics, Social media,  
History, Meaning, RECEIVER

CHANNEL, History,

Art – Science,

Agnotology - Ignorance

SOCIOLOGY

### SCIENCES

Binary, Information theory, Shannon

Digital tech, Genetics,

Memory, Coding & Classification

Redundancy – Compression

Logic, Symbols, Media forms,

RECEIVER, CHANNELS, NOISE

Law, Secrecy, Value,  
Records, Organisations,

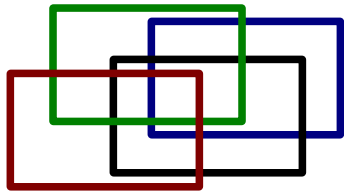
Security, Confidentiality,

Mis-information, Access,

Consent, Mental Capacity,

Advertising NOISE

POLITICAL



# Information & Health care

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Sender – Receiver

Message

Coding

Channel

Noise

Redundancy

Physical & Cognitive access

Observation, Care

Environment, Priority,

Diagnosis, Prognosis,

Knowledge & Experience,

Professionalism,

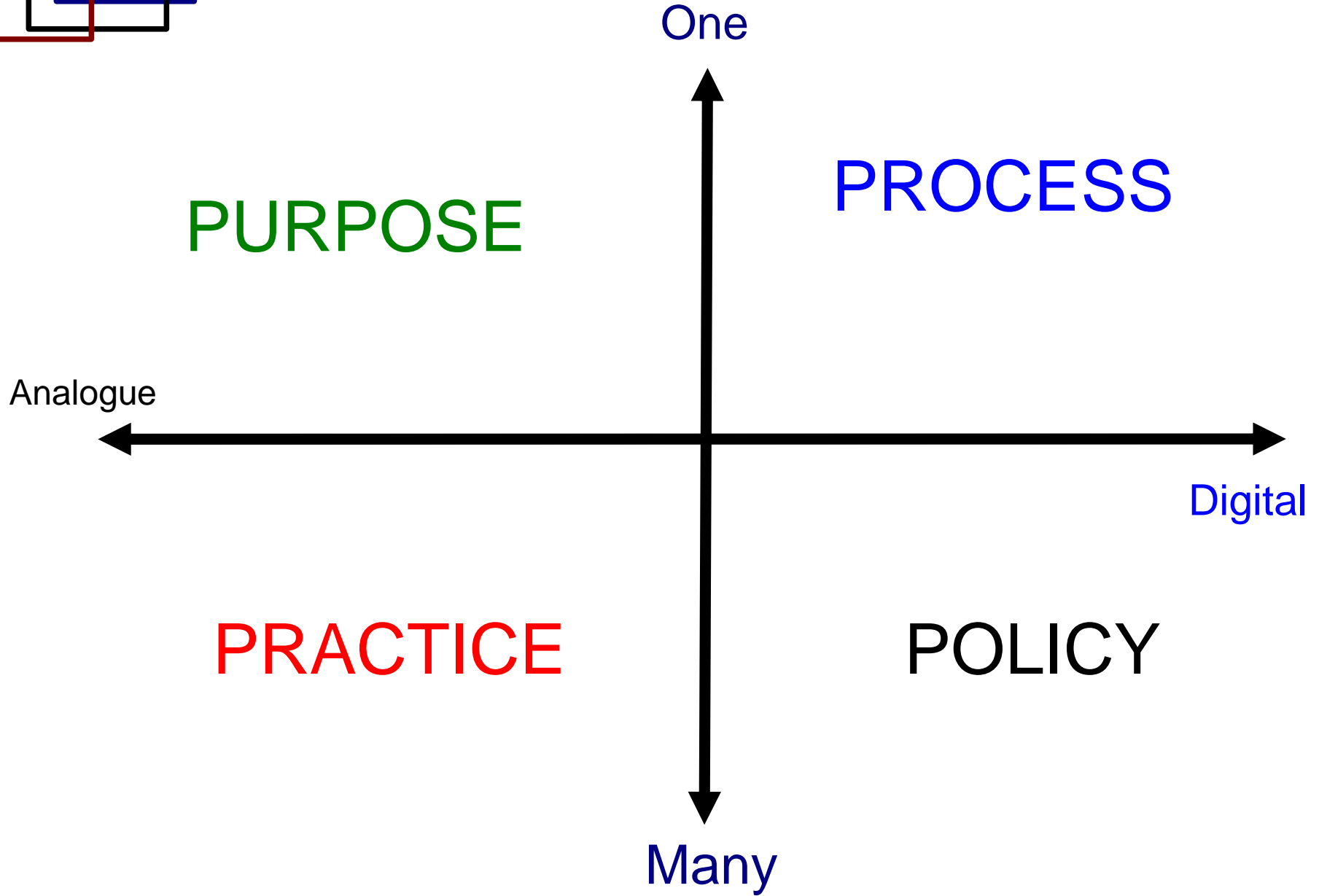
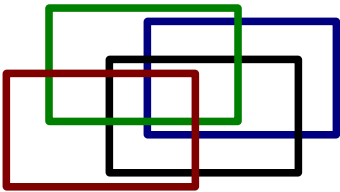
Expectations, Caring –

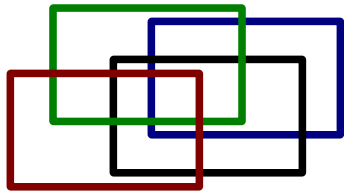
Empathy, Training,

Media, Vested interests

Policy, Public health

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## Health information in the model ...

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Individual Case Formulation  
Thoughts, Feelings,  
Behaviours, Memory,  
Cognitive abilities  
Attribution,  
Self-help - education

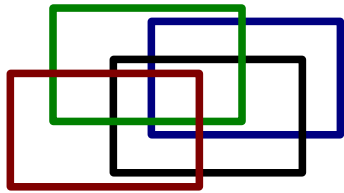
Diagnosis – Prognosis  
Imaging, Visualization  
G.I.S. Local, regional health  
Attributes: quantities  
ICD-10, SNOMED  
Information prescription

Psycho-social interventions,  
Family intervention,  
Public involvement, Patient  
Information Forum, Informal  
carers, Public understanding

CPA, Caseload management  
Supervision and sign-off  
mentoring, Commissioning  
Information reporting,  
Funding, Anon.,  
(Clinical) governance,  
Open source

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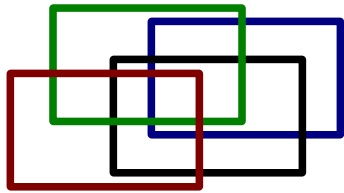
## Some questions...

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Hodges' model as a conceptual space (four semantic frames?):

- Notion of “holistic bandwidth”?
- The model as an implicit theory?
  - 'Compound representations' → patterns?
- What do the axes represent -  
(as continua and X-domain)?
  - Do the axes represent a semantic middle?
- What might we find researching the model in use?
  - A mess (risk: patient safety)
  - Level(s) of concepts employed
  - Demonstrate learning (complexity)



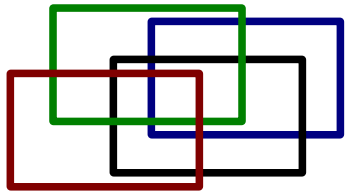


# Research?

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## Conceptual Spaces (Peter Gärdenfors)

- 'domains'
  - 'quality dimensions'
  - '**Salience**' – psychosis (significant here?)
  - Formulating a research question
    - Is there a Mentor in the house?
    - Dissertation and/or Project
    - Combining model, informatics, and programming - Ruby
      - Domain specific language (internal)
    - Create new site Drupal CMS
      - Graphical 'new' content types?
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For me – and this model...

Assuring nurse education

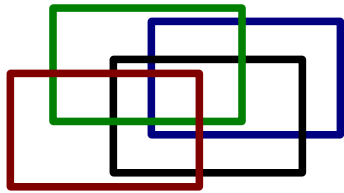
– Literally illustrating nursing's values

Highlighting the need for a generic conceptual framework for (global) health

Making links between disparate health, informatics and other disciplines

Advocating for public **mental** health





Thank you...

Blog at: “Welcome to the QUAD”

<http://hodges-model.blogspot.com/>

inc. Bibliography

Hodges' Health Career - Care Domains – Model  
H2CM

<http://www.p-jones.demon.co.uk/>

h2cm: help2Cmore - help-2-listen - help-2-care

<http://twitter.com/h2cm>

