EKBI Business Intelligence Beautiful Information®

beautiful information™ 2.0

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NHS Foundation Trust

Kent Surrey Sussex Academic Health Science Network

EKBI Business Intelligence Beautiful Information®

vision

‘to connect patients, clinicians and managers through *beautiful information* to make healthcare simple and transparent’

beautiful information

im ≠ it

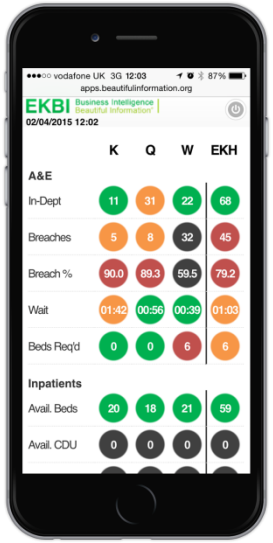
because the two functions are distinctly different

- **im** • Information ► intelligence ► action
- **im** • clinical coding
- **im** • clinical systems software

- **it** • Infrastructure

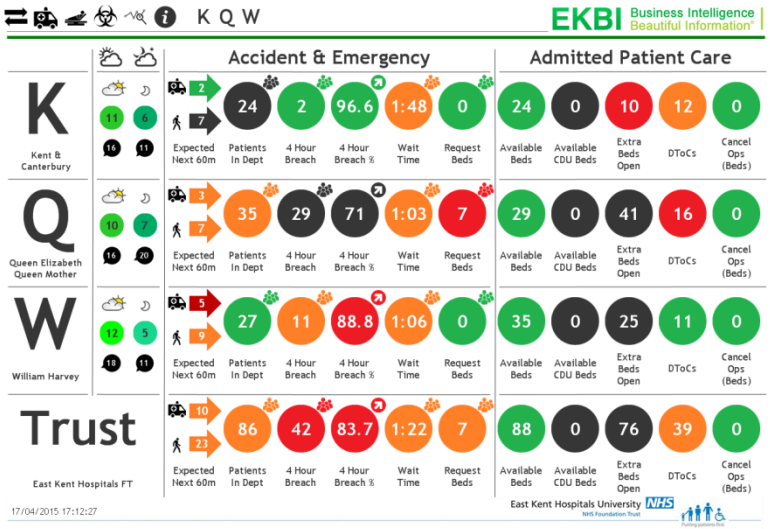
data ≠ acceptable

say no to data. only accept **intelligent information** that provides a very clear call to action

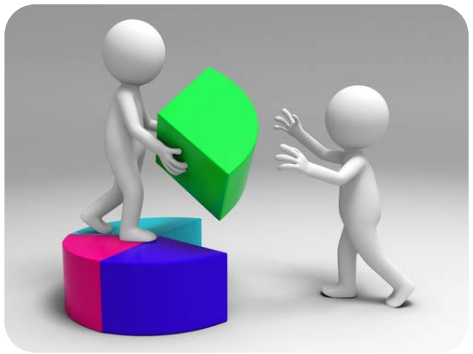


beautiful information

simplicity from complexity. with ever-increasing data resources available and channels of communication possible, information has to be presented in a way that is intuitive, compelling and engaging. **beautiful information**.



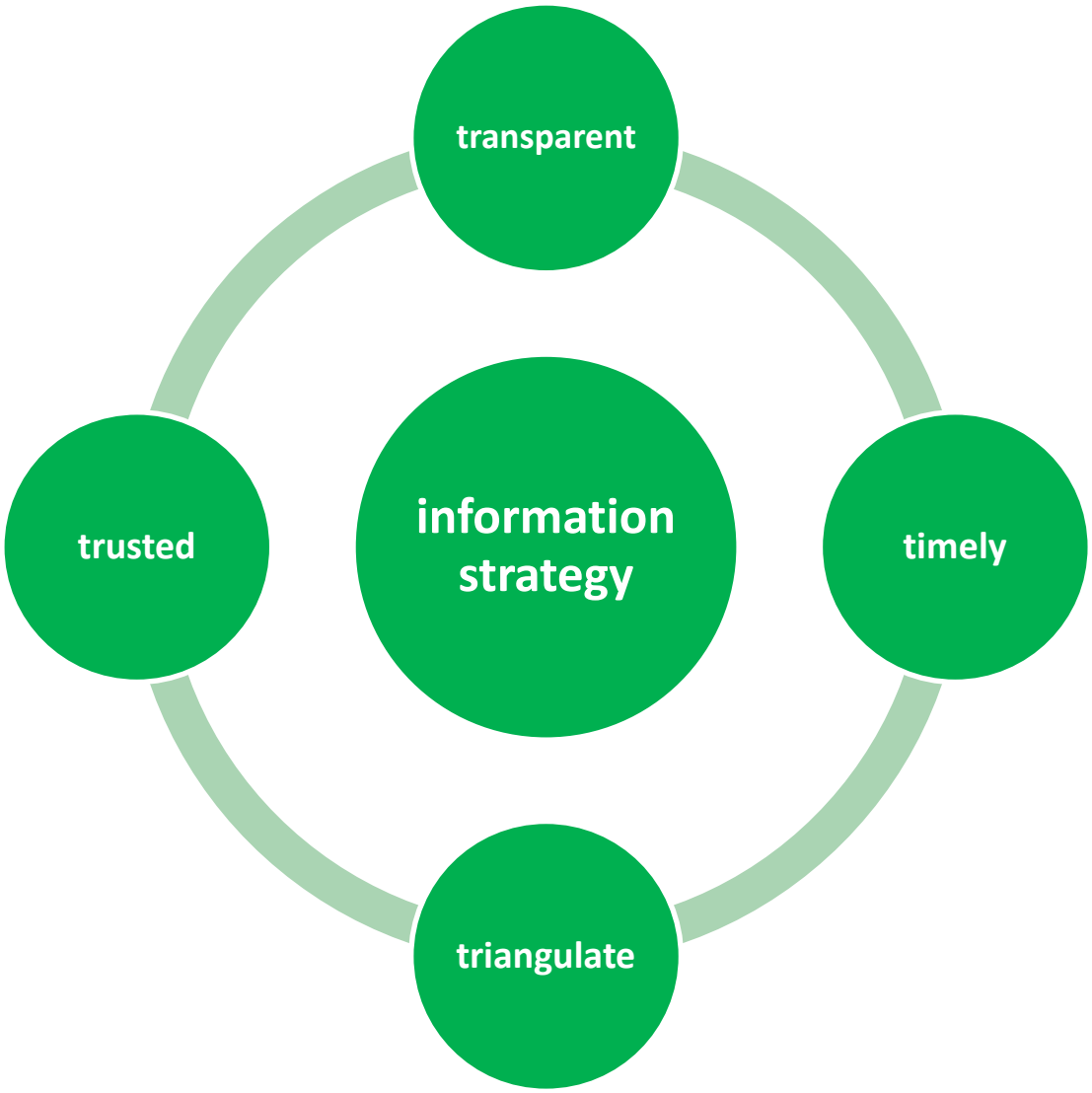
nhs innovation has commercial value. the current market-place for information is dedicated to two models; payment for services from the private sector and sharing of ideas within the nhs family. there is a third way, **the commercialisation of good ideas from within the nhs**.



deliverables

- establish an **innovation incubator** within the NHS for tech SMEs to refine their products
- develop a new paradigm for how **public and private collaboration** can operate more efficiently
- provide and encourage thought leadership and education services to raise the profile and collective **level of informatics** expertise across the country
- create a **self-funding entity** that generates research funding for informatics development in the NHS

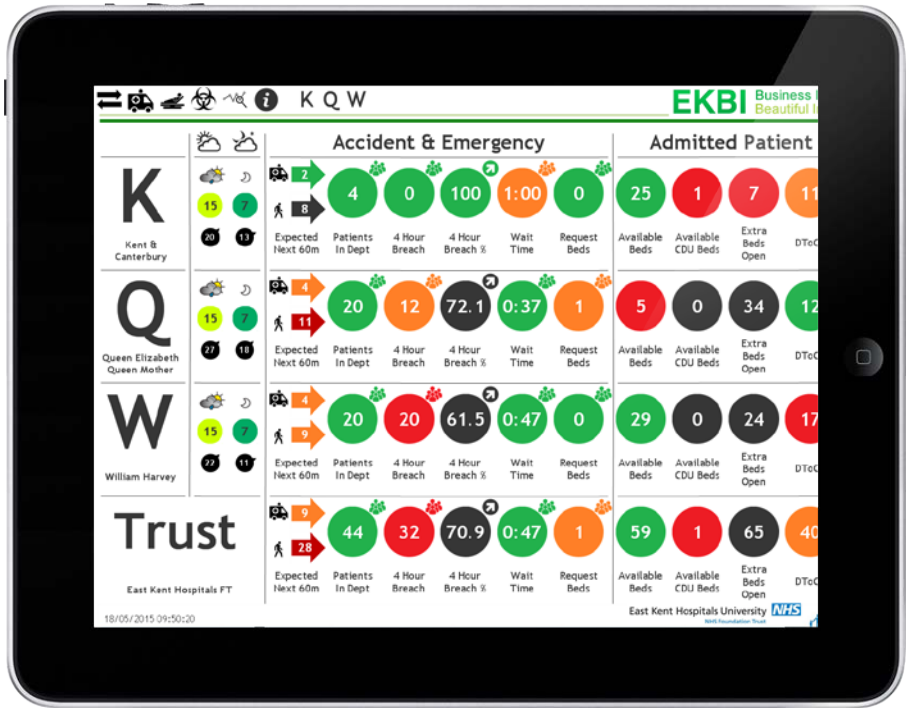
strategy development 1.0

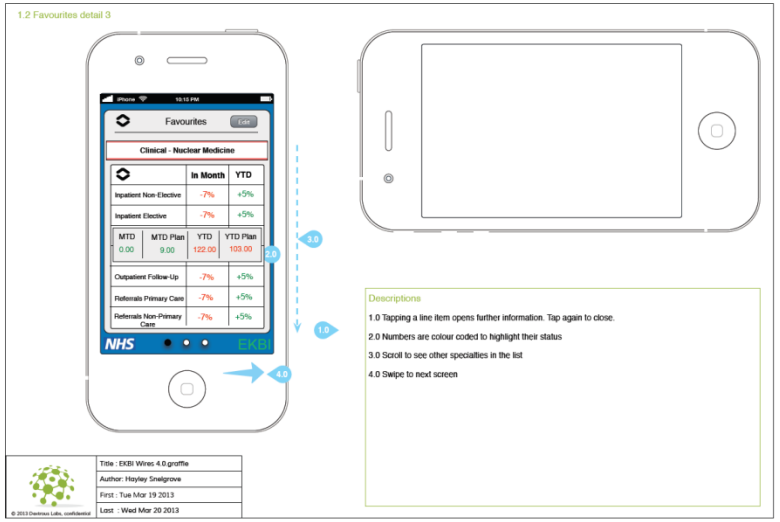


- transparent
  - share operational data between commissioners, providers and patients
- triangulate
  - data mining to deliver intelligence
- trusted
  - data believed and owned by clinicians
- timely
  - real-time information available across any platform or device

strategy development 2.0

presentation → prediction → push





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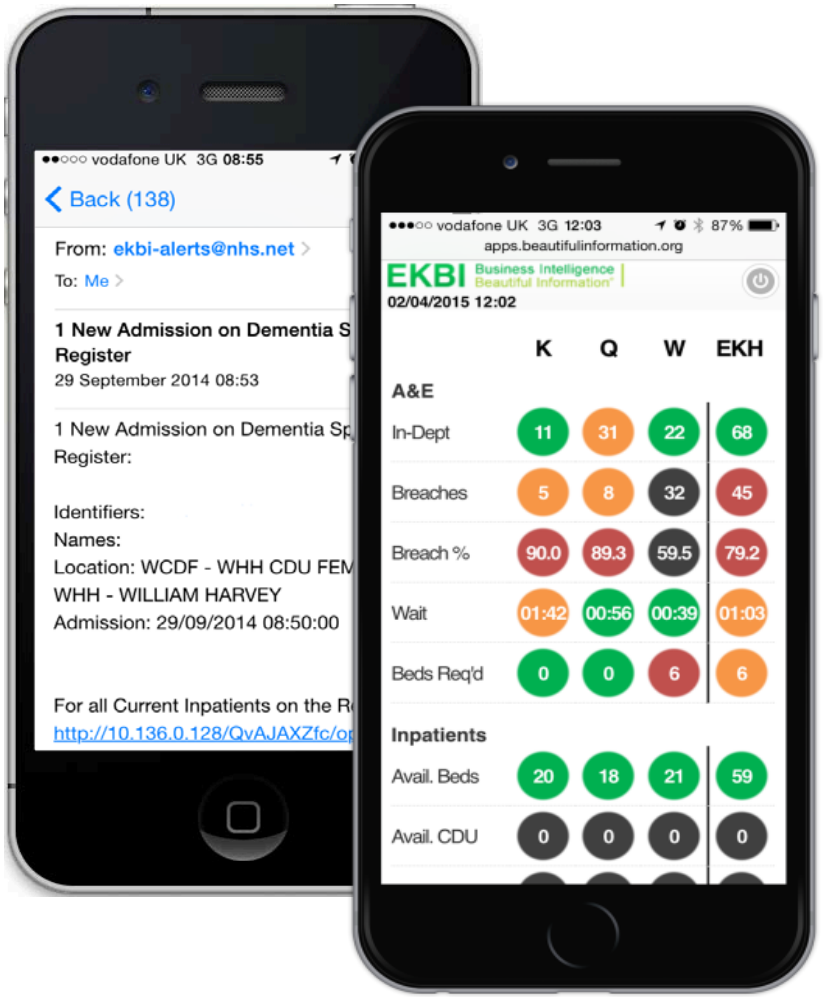
strategy development 3.0

‘sticky’



‘socialised’

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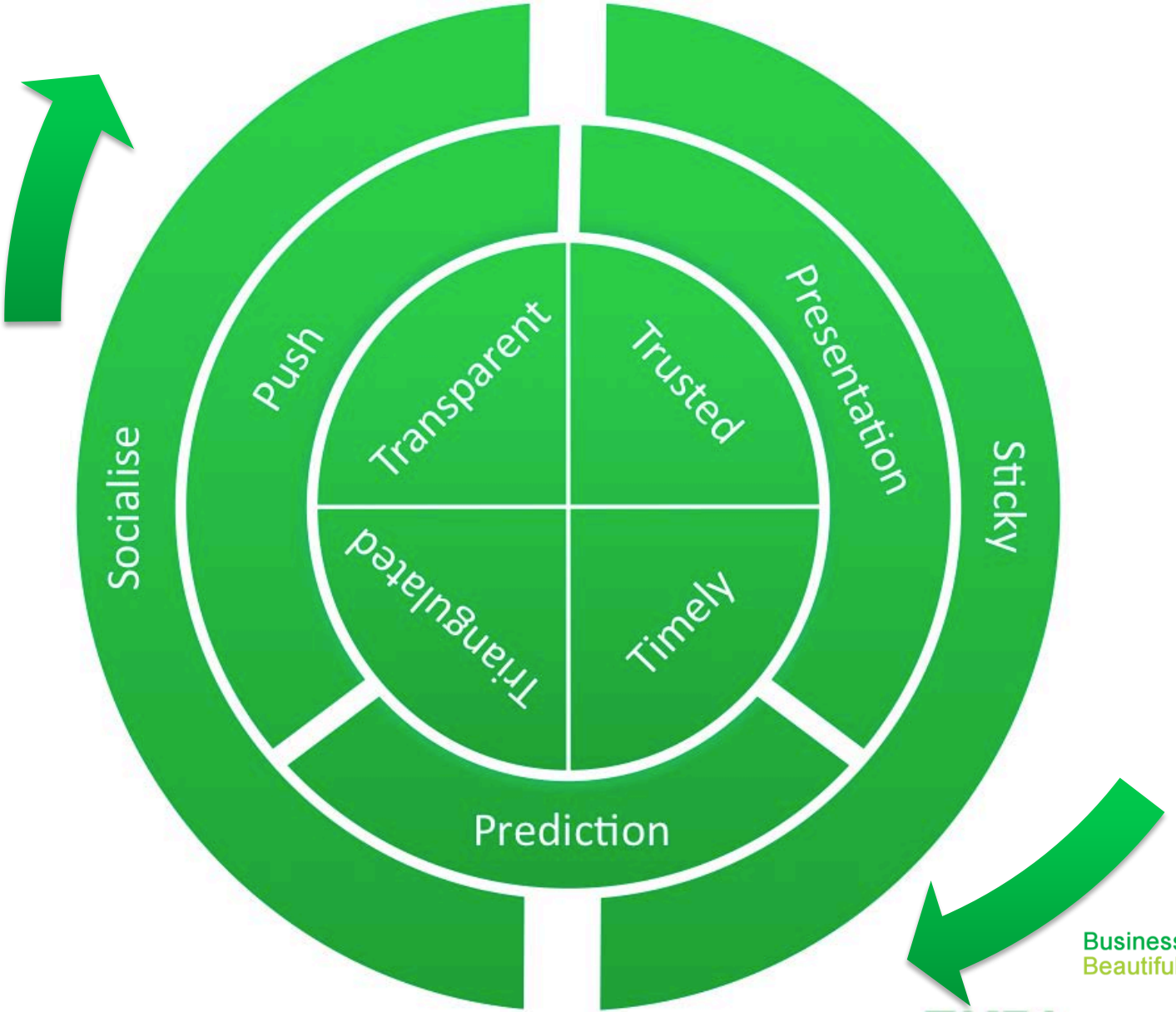
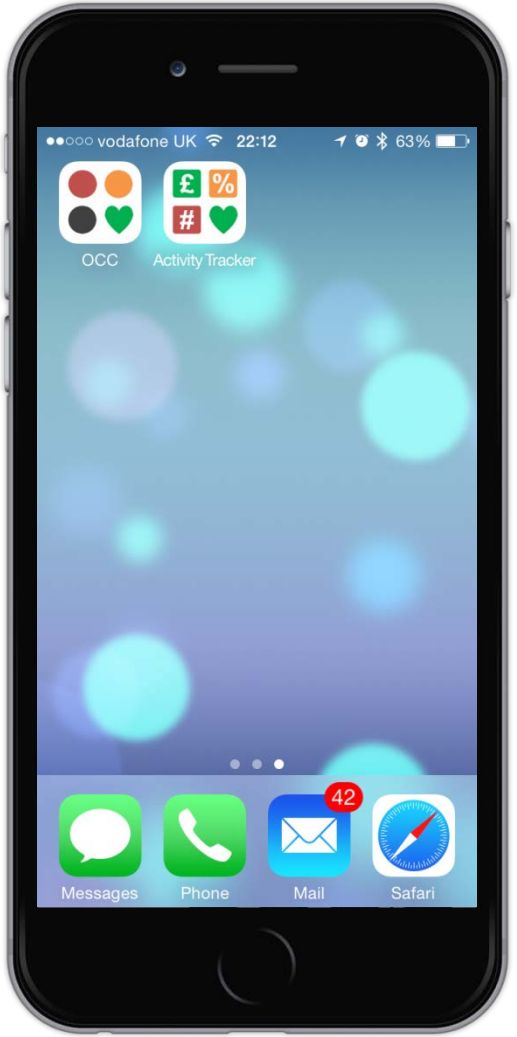
Strategy Development 3.0



Business Intelligence
Beautiful Information®

solutions and support

- app development
- smartphone alerting system
- web design and hosting
- eforms
- 3rd party software support and algorithm development
  - qlikview
  - 3M
  - vitalpac
  - doccom



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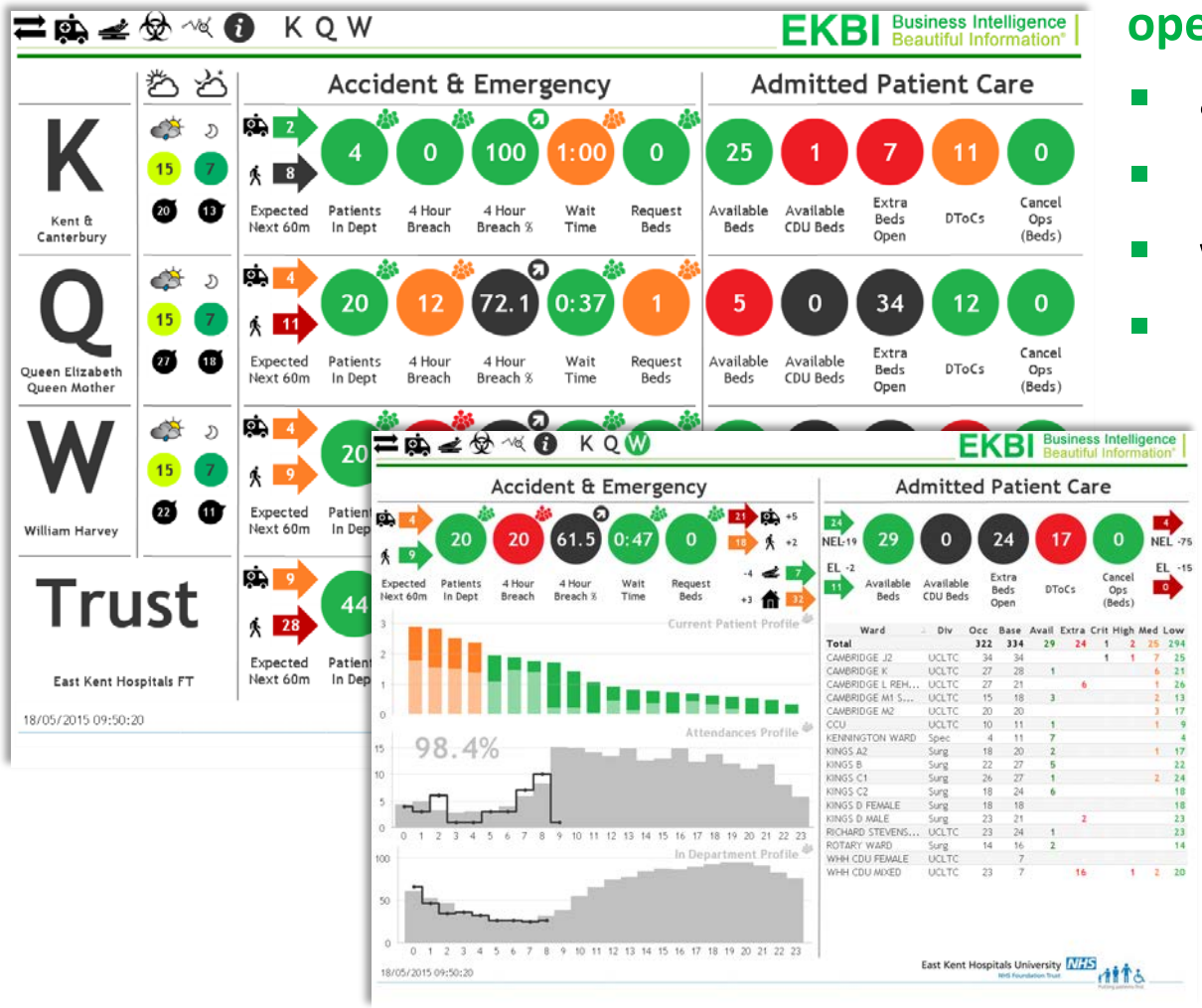
dashboards delivered in real-time



operational control centre (occ)

- analyse patient flow
- resolve operational issues
- whole system analysis
- predictive modelling
  - patient-level data
  - customisable metrics
  - risk stratification
  - national standards
  - breach analysis
  - in-built alerting

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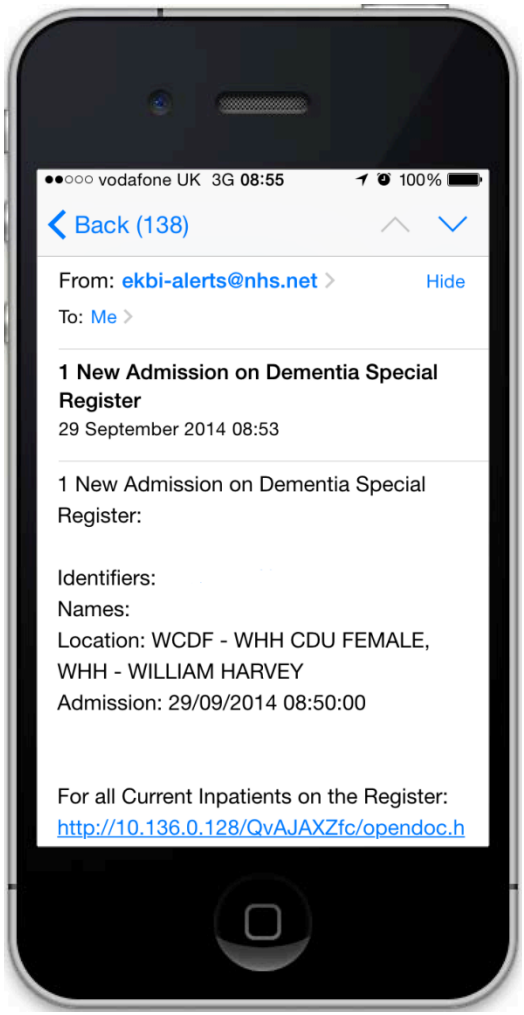
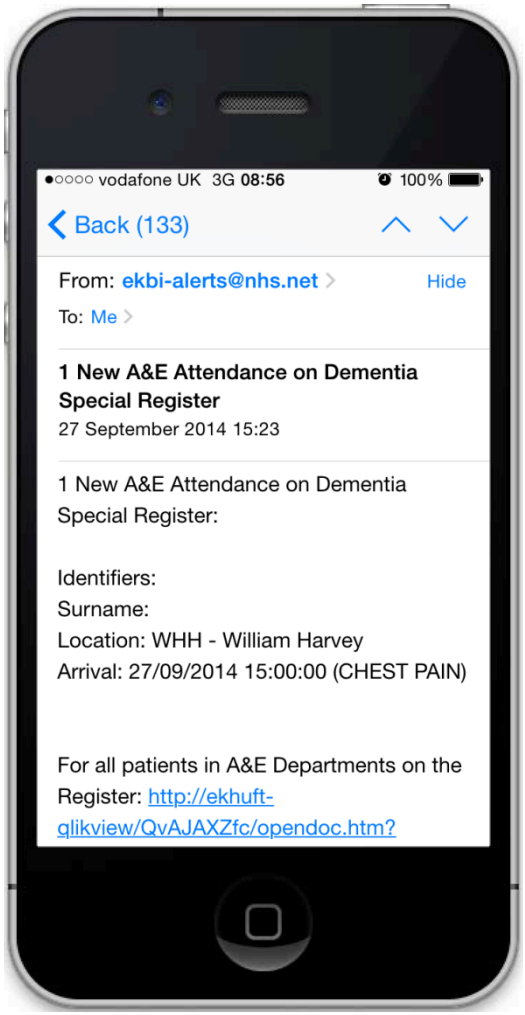
making information “sticky”





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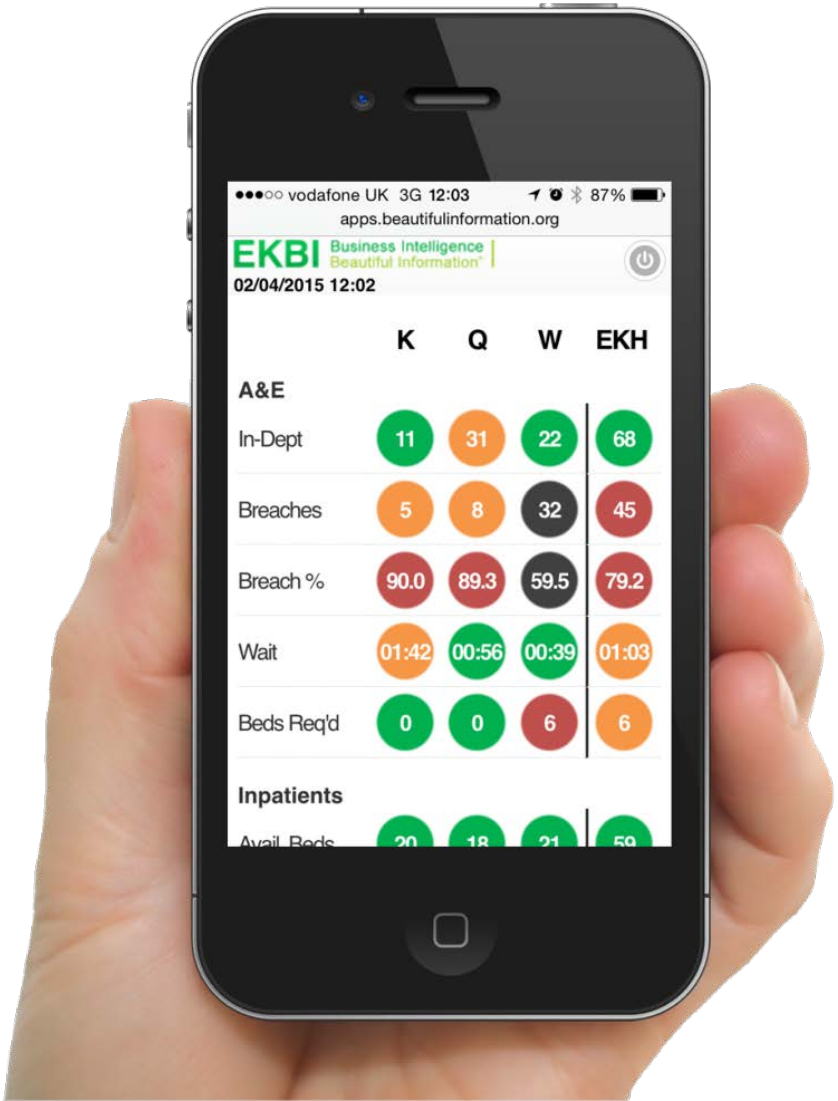
occ … web-app



- cloud storage
- exported data
- available off-site
- access to partners
- customisable metrics
- customisable colours
- on-call benefit
- fed from existing data

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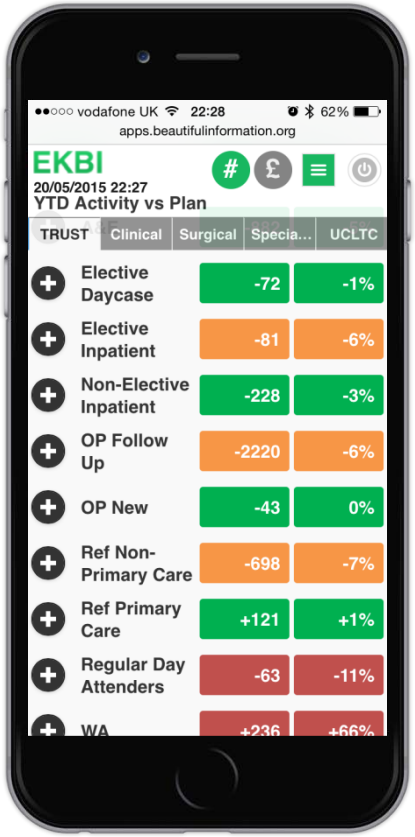
real-time business planning

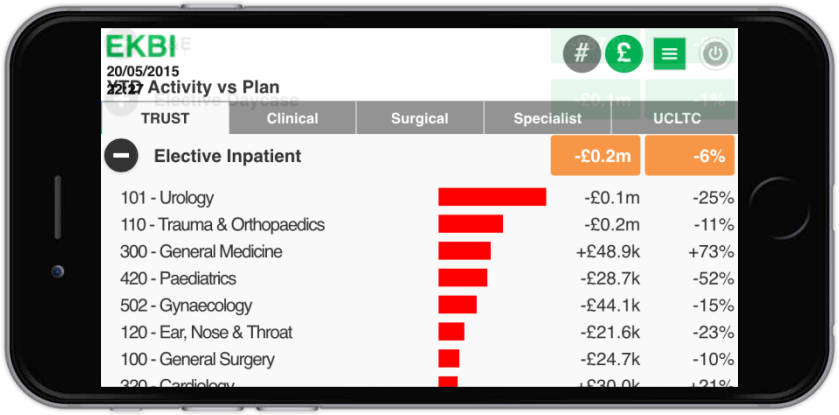
business planning app

- daily activity vs plan
- in-month performance view
- forecasted future predictions
- share with commissioners
  - plan in real-time
  - historic adjustments
  - future adjustments
  - pod-view by significance
  - capacity planning

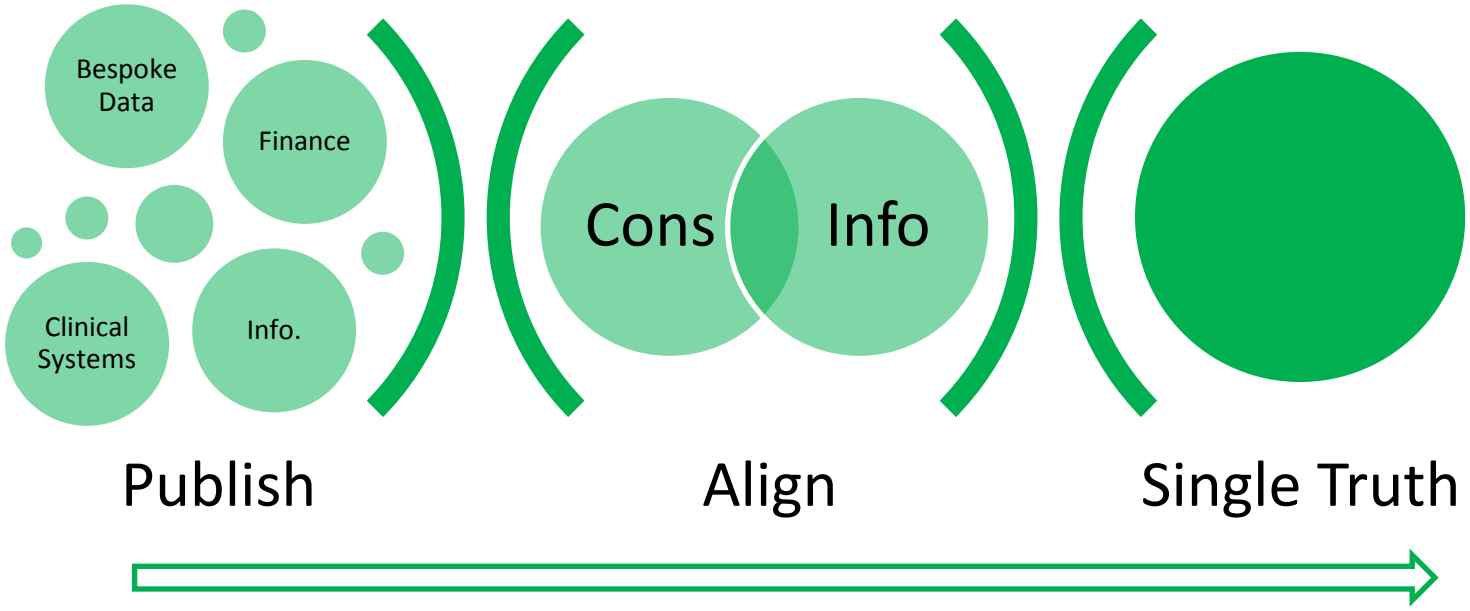
activity finance tracker (aft)



- prospective financial and performance analysis
- specialties ordered by significance
- cloud stored – available off site
- challenge performance in-month
- split by division/directorate
- forecasted and comparative analysis

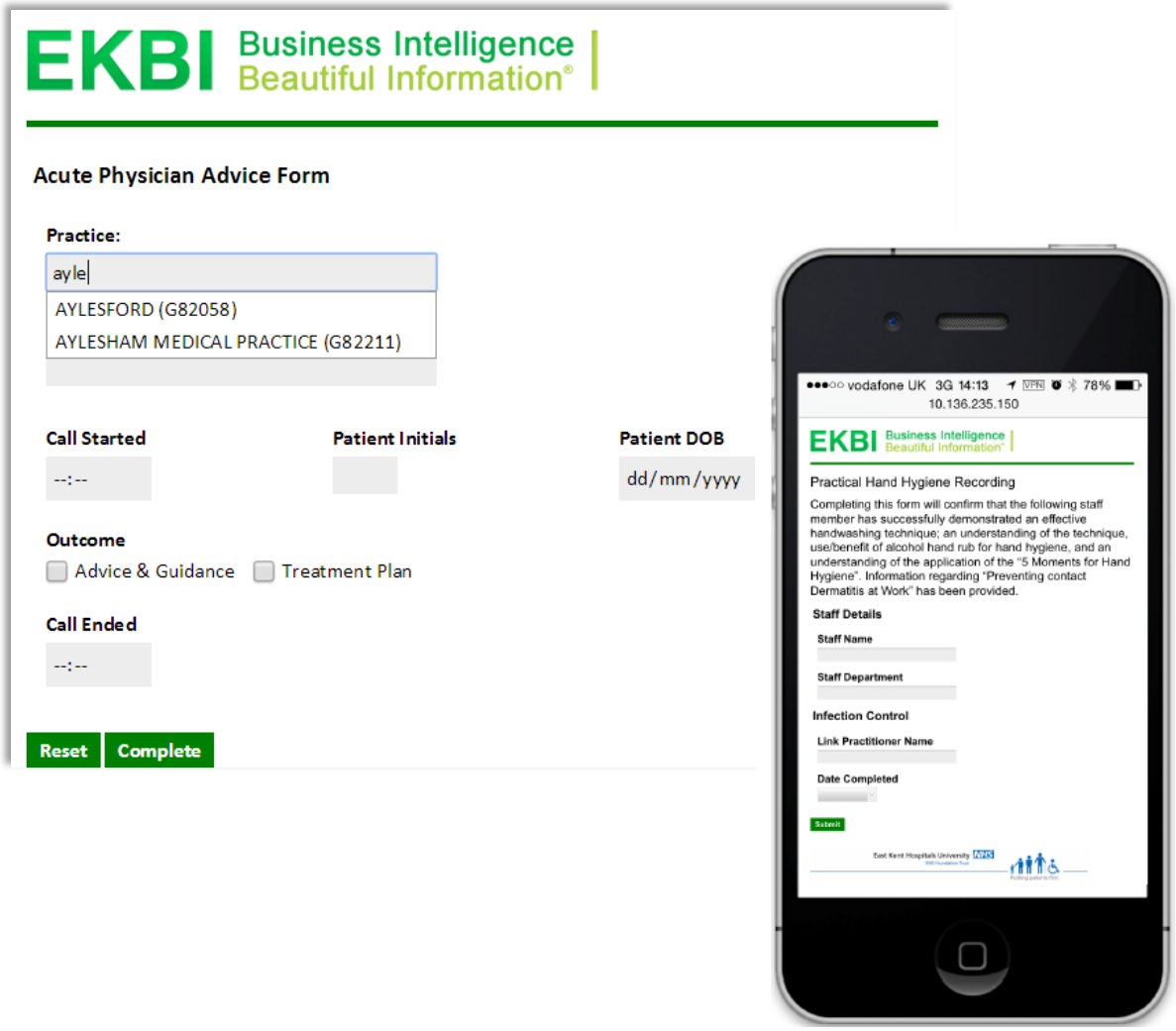


consultant validation tool



- consultant outcomes (proms)
- benchmarking
- challenge coding
- challenge incorrect data
- annual appraisal reports
- patient-level data and analysis

eforms … a paperless nhs



- bespoke forms
- prebuilt modules
  - friends and family test
  - inpatient survey
  - mandatory training
  - clinical audit
  - patient feedback
  - safe staffing
  - Audits
- reporting module
- mobile device compatible
- secure (hosted internally)
- real-time analysis

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This Conservatory Was Opened
By
GRAEME LE SAUX
5TH MAY 2005

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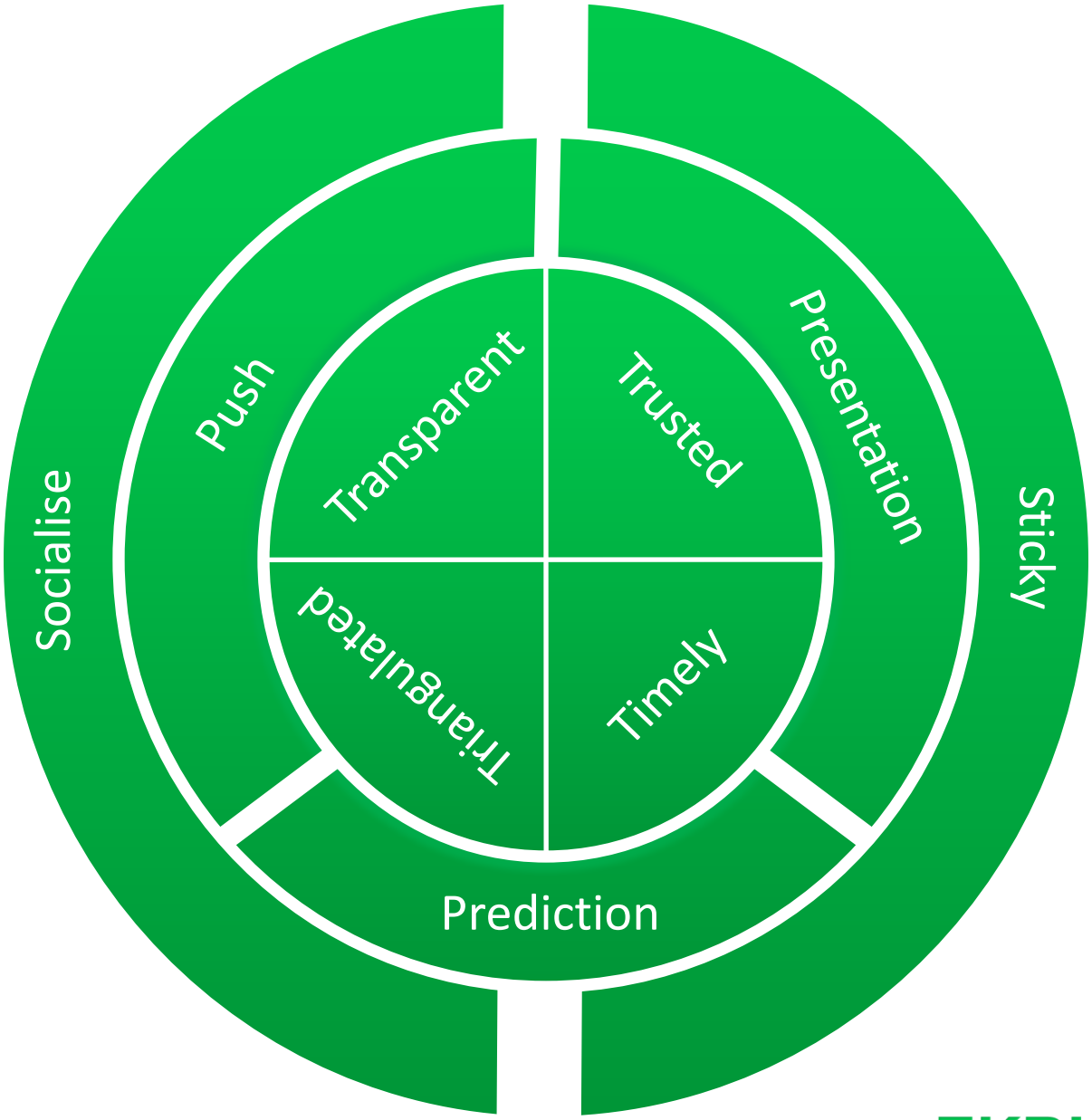

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