

Docobo[®]
towards a better quality of life™

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Smart Homes 2014 Cambridge

<http://www.hvm-uk.com>

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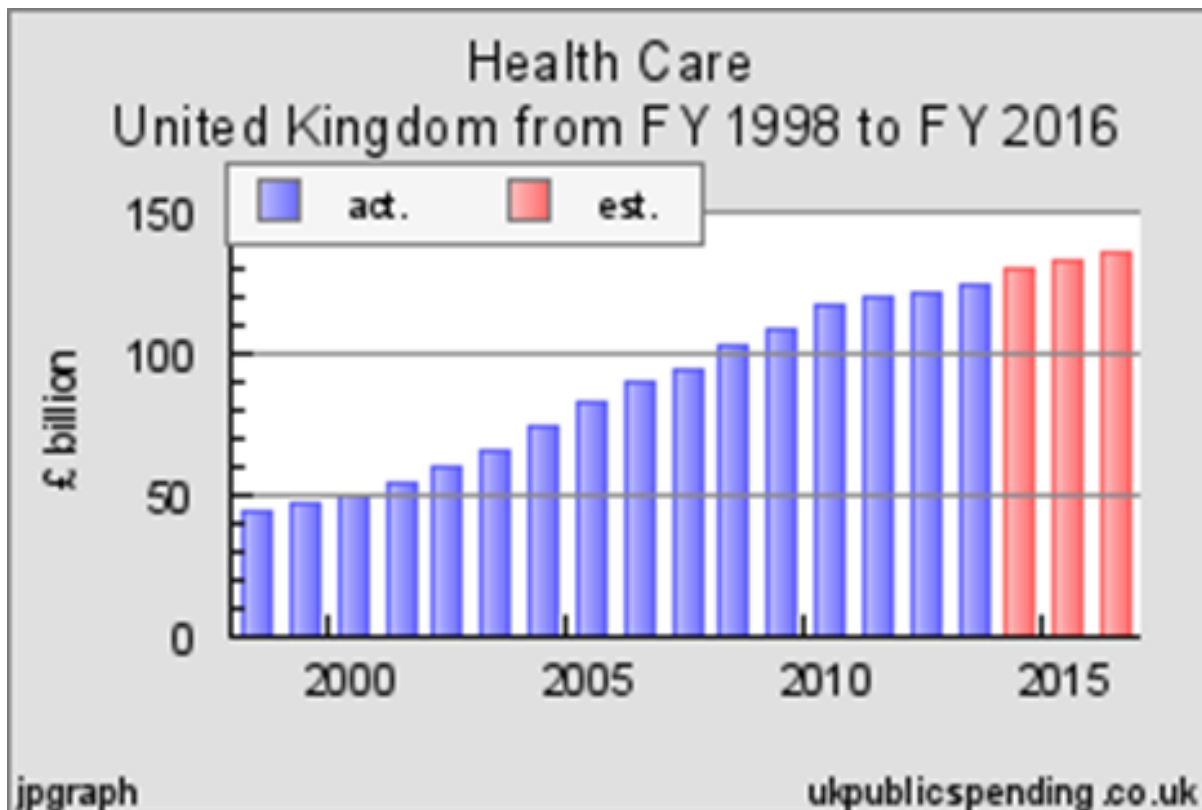
Confidential

DOCOBO Ltd

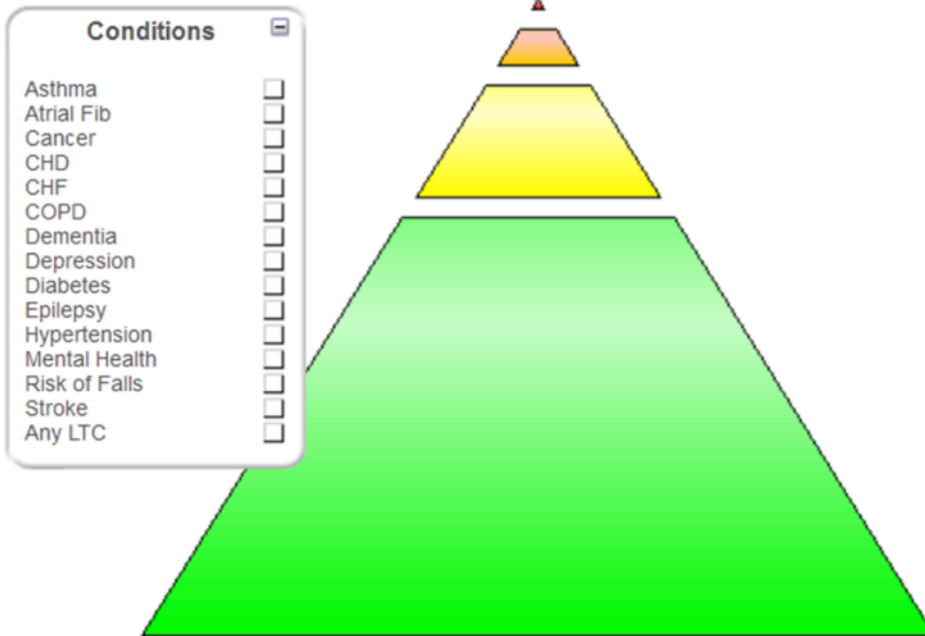
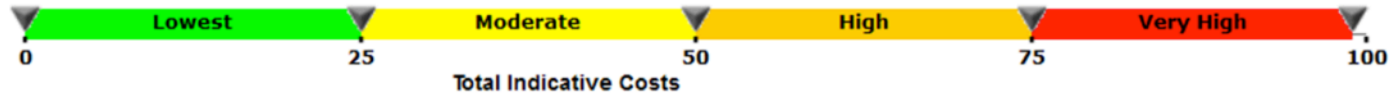
- **Established 2001**
- **Commercial Operations from 2004/5**
 - **C. 40% CGR to 2011**
- **2011-13 Biggest re-organisation in NHS history**
 - **Innovation adoption put on hold**
 - **Docobo growth flat**
- **2014 c. 40% growth again this year**
 - **Revenue of over £2m**
 - **26 FTE**

What do we do?

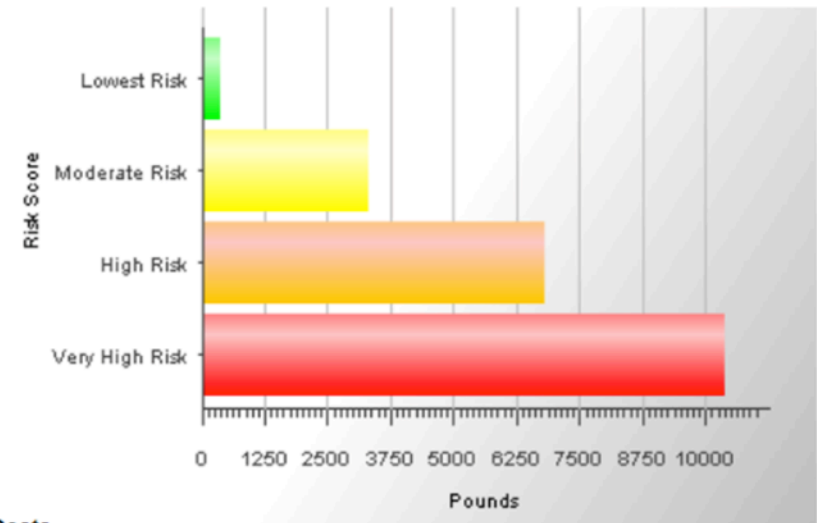
- Help keep people living at home as healthily as possible for as long as possible - away from expensive “bricks and mortar”



ArtemusICS – single source of population health diagnosis and treatments



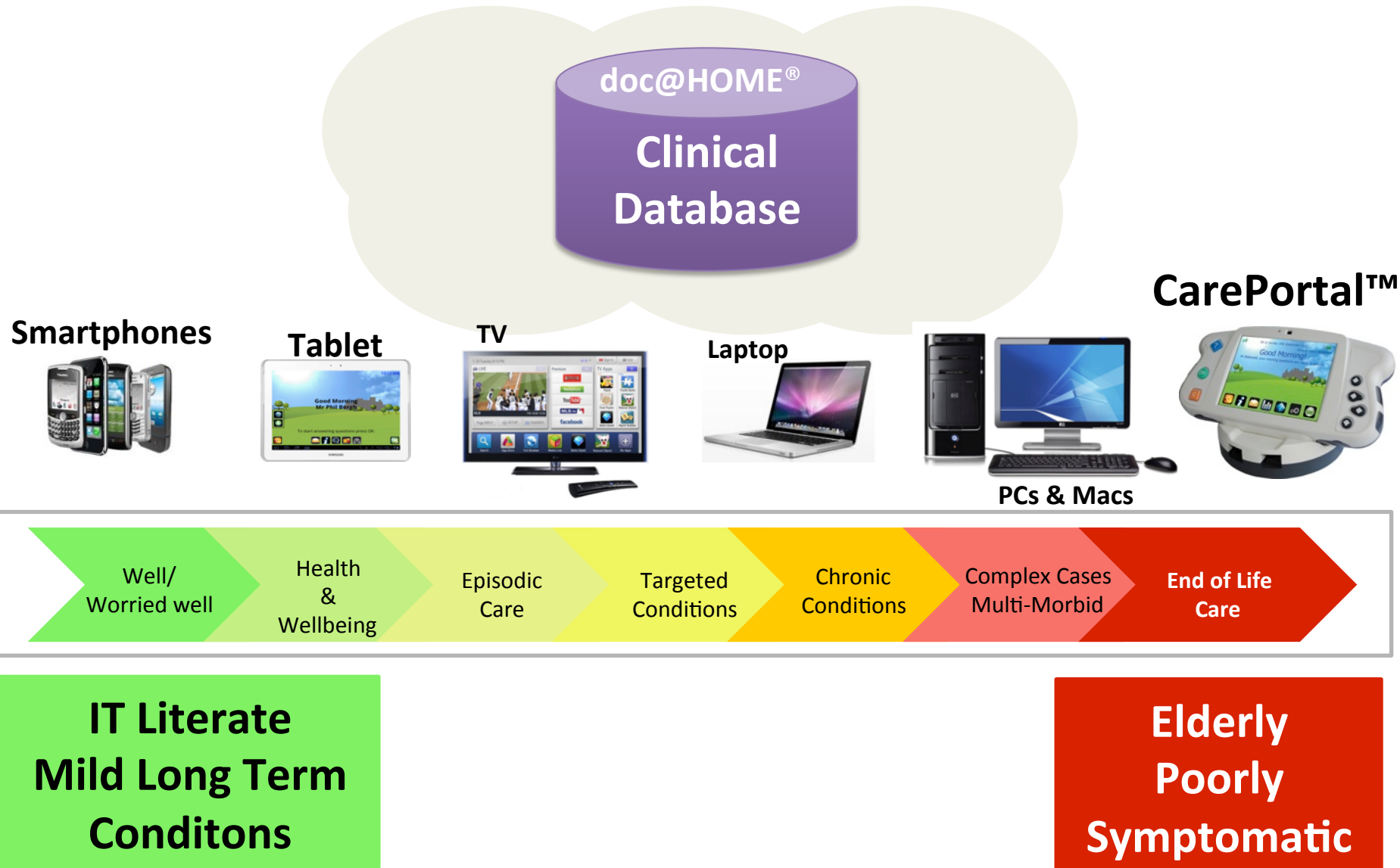
Average Indicative Cost per Patient by Risk Segment



Indicative Costs

Measures	Risk	Lowest Risk	Moderate Risk	High Risk	Very High Risk	Total
Patients		729204	22579	4627	602	757012
Total Cost		£243,470,788.00	£74,115,633.00	£31,277,970.00	£6,233,144.00	£355,097,535.00
Non Emergency Total Tariff		£75,608,151.00	£16,254,479.00	£4,529,152.00	£679,059.00	£97,070,841.00
Day Case Total Tariff		£51,374,351.00	£9,211,051.00	£2,588,287.00	£317,769.00	£63,491,458.00
Emergency Total Tariff		£67,339,285.00	£39,704,110.00	£21,285,352.00	£4,705,388.00	£133,034,135.00
A&e Total Tariff		£11,490,836.00	£1,773,074.00	£827,541.00	£241,318.00	£14,332,769.00
Outpatient Total Tariff		£37,658,165.00	£7,172,919.00	£2,047,638.00	£289,610.00	£47,168,332.00
Avg Cost		£333.89	£3,282.50	£6,759.88	£10,354.06	£469.08

Patient's Need & Ability



CarePortal™



- Use-design with Age UK for elders and...
-for the IT illiterate user or those with more severe symptoms
- Class IIa Medical Device
- Records ECG, Blood Output Signal, Breathing Rate, Heart Rate Variation
- Cameras front and back
- Multiple comms and interfaces

CarePortal™ Patient Support



- Self Help Educational content
 - Patients 4 Week Display
 - “Static” Information - Information Browser
 - “Dynamic” Information – presented in response to answers given



- Video, Video Messages and Text
 - Ensures contact is maintained
 - Educational videos

Clinician view example – rich diagnostic data



Application

- User Administration
- Switch To View Mode

Display Settings


- Selection & Order
- Colour Blind Safe

Logout

Mrs Philippa Philips

- The Royal Hospital
 - A1
 - A4
 - B1
 - C1
 - C2
 - One
 - Mr Philip Philips
 - Mrs Philippa Philips
 - Mrs Kate Shell
- Weston Park Hospital

Welcome
Patient Info
Questions
Reports
Patient Data
Communication
Location
Alerts
Phonebook
Falls Data



Last Reading ECG Lead I
09:26 **117 bpm**

	July	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Notes																														

Date search

View by 4 weeks display

	Latest Reading	Cursor
Heart rate from ECG <input checked="" type="checkbox"/>	117 bpm	110 bpm
Blood pressure	138 / 69 mm Hg	133 / 65 mm Hg
Body Weight	104.2 kg	104.0 kg
Blood Oxygen Saturation	92 %	95 %
Respiration Rate	14 bpm	14 bpm

Alerts & Quality

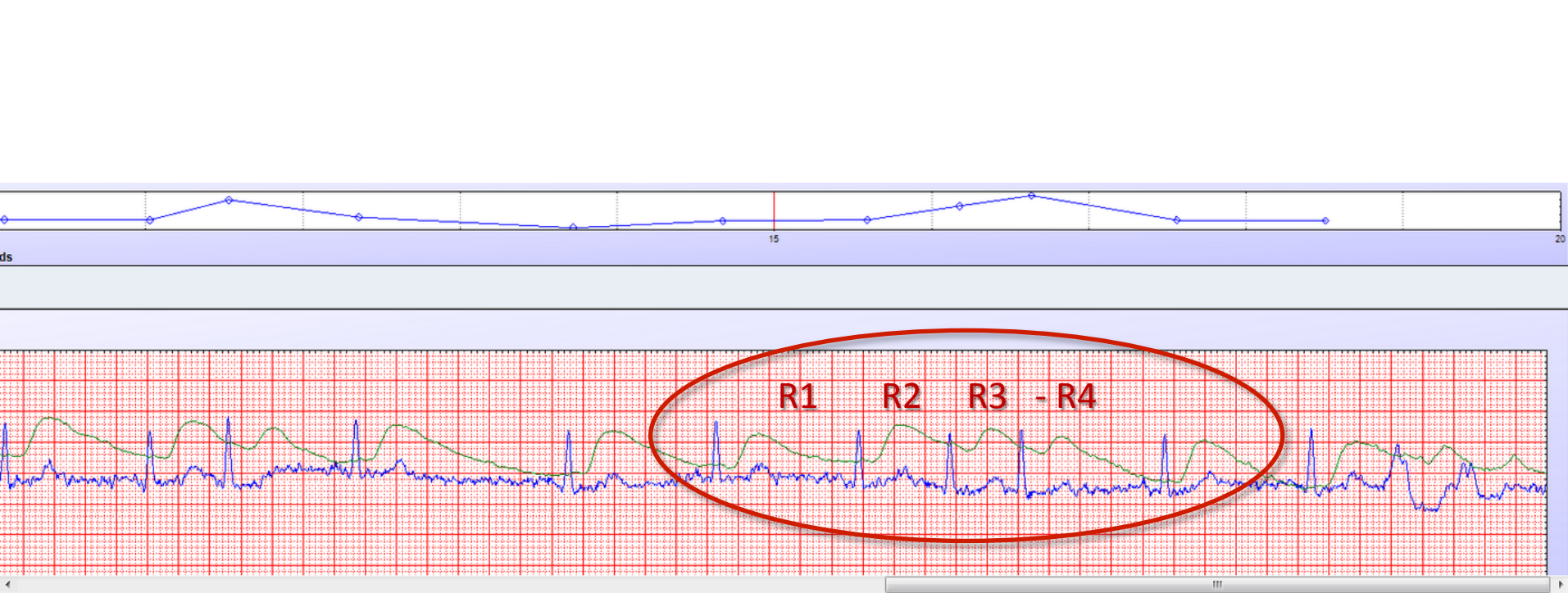
- Dizziness ●●
- Anxiety ●●
- Coping actions ●●
- Odema ●●
- Extent ●●
- Sputum ●●
- Colour ●●
- Frequency ●●
- General Health ●●
- Dyspnoea ●●
- Sleep status ●●
- Cough ●●
- Angina ●●

Notifications

Notifications will appear here automatically as soon as they are received

Done
Internet | Protected Mode: On
100%

Atrial Fibrillation



Changes in cardiac output after accelerated atrial fibrillation beats

R1 - R2 R3 - R4

iCare - displayed within doc@HOME

Docobo®

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Home
Overview
Graph
Activity Graph
Detailed Graph
Report
Admin
Logout

Date: 24 Hour 5 to 9 Number of Hours

Client (GSM) : Tuesday 12/02/2013 00:00 To Wednesday 13/02/2013 00:00

Kitchen
 Bathroom
 Lounge
 Landing
 Front Door
 Kettle

View by

Latest Reading	Cursor
16:25 26 Jul	17:18 12 Jul
117 bpm	110 bpm
138 / 69 mm Hg	133 / 65 mm Hg
104.2 kg	104.0 kg
92 %	95 %
14 bpm	14 bpm

Current Health Status

No Data Available

Notifications

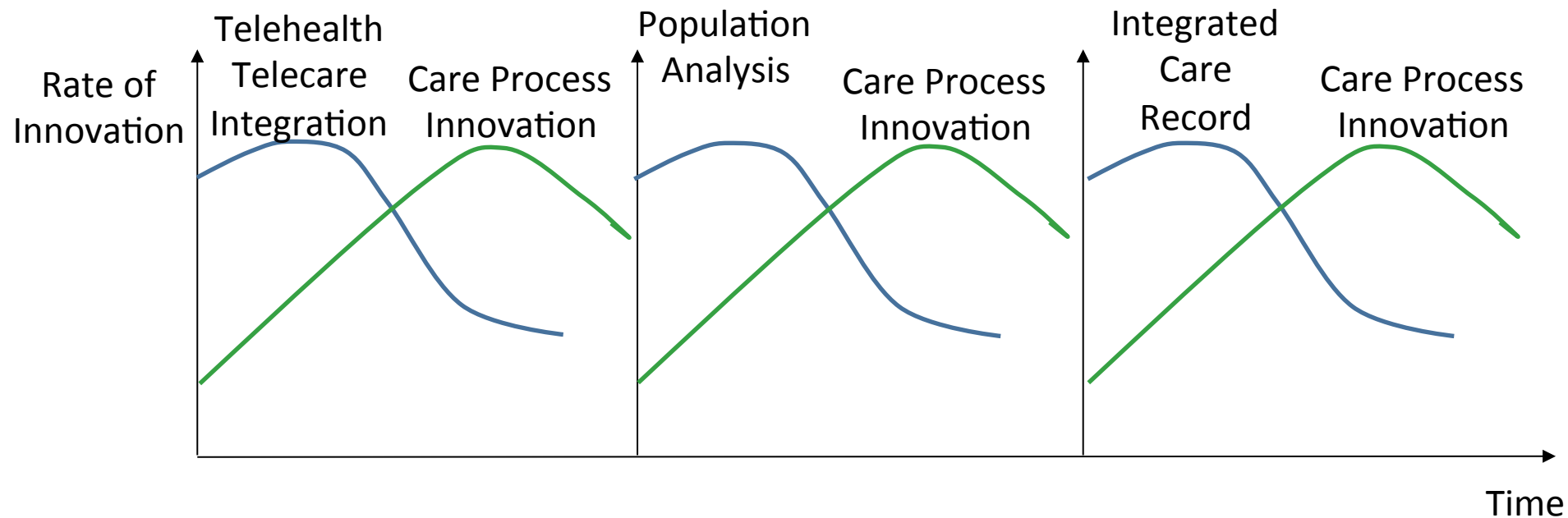
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Done Internet | Protected Mode: On 100%

Successful Innovation

People, Technology, Processes
Leadership & collaboration
No.....there's nothing new!

Technology innovation – enabler of process change:



Utterbeck and Abernathy: Dynamics of product and process innovation