User-centred design and development for healthcare
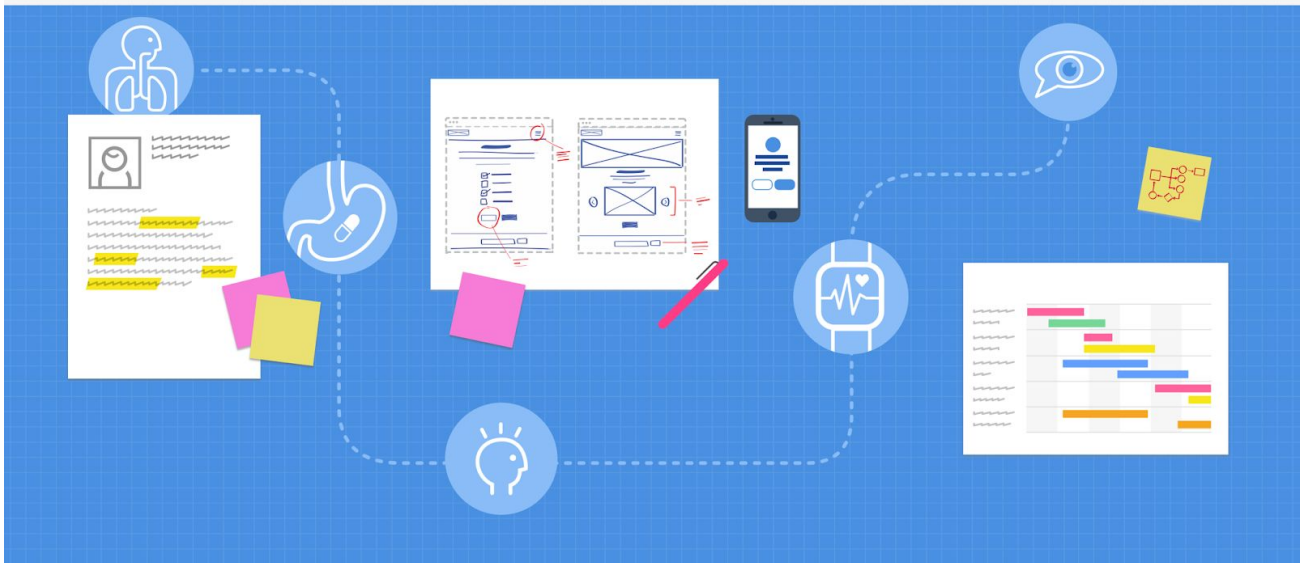

Dependency planning example

Ctrl Group - Example plan for a prototype creation and evaluation
V0.1 - Draft example
Created 1 February 2018 for use in Ctrl Group training
Ben Fehnert - Ctrl Group

Legend:
- **Ctrl Group task** (orange)
- **D** Internal dependency (orange)
- **D** Dependency on Third Party (red)
- **G** Governance meetings (green)
- **M** Milestone (pink)

Timeline months: Sept, Oct, Nov, Dec, Jan, Feb, March, April
Week dates: 19 26 | 3 10 17 24 31 | 7 14 21 28 | 5 12 19 26 | 2 9 16 23 30 | 6 13 20 27 | 6 13 20 27 | 3 10 17

Project planning
- Confirmation of project and contracts — D1 (late Oct)
- Project kick off — (early Nov)
- Project signoff — (April)
- Post project review — D5 (April)

Governance review meetings — G (Nov), G (Nov), G (Jan), G (Jan), G (Feb), G (March)

Pre-project start
- Agree integrated plan with workstream details and resources — D
- Create Statement of Work V0.1 inc outline protocol
- Create Statement of Work V0.2 with feedback from Third Party
- Mechanical Turk - V1 as input into internal Pilot
- Mechanical Turk - V2 to look at longitudinal effects
- Sprint 1 - Design / Development to create internal pilot — 1
- Internal pilot with n=10 healthy / internal testers
- Outline any design deliverables needed for training of or visits with participants — D
- Sprint 2 - Design / Development of items with high dependency on protocol / ethics — 2
- Design / Development sprint 3 — 3

Workstream 1: Study Protocol & Study Preparation
- Draft study protocol for Third Party review (V1)
- Feedback from team and Third Party — D2
- Finalisation of the study protocol (V2)
- Submission of study protocol for NHS Proportionate Review — D3
- Ethical review (assumed 10 working days)
- Possible extension to ethical review of outside NHS Proportionate Review
- Updated study protocol (V3) with feedback from ethics
- Signoff of study protocol (V4) to use in the study — D4
- Create and confirm screeners, consent and recruitment plan
- Recruit participants in line with the study protocol (V2) — D

Workstream 2: Design & Development of Prototype
- Design / Development sprint 4 — 4
- Design / Development sprint 5 — 5
- Deploy Prottype for use in the study — D
- Maintain Prototype in the study

Workstream 3: Study & Site Management
- First Participant First Visit
- Onboarding for 30 participants (visit 1)
- First 3 weeks of the study
- Assessment of participants (visit 2)
- Second 3 weeks of the study
- Wrap up with participants (visit 3)
- Last Participant Last Visit — D

Workstream 4: Study Analysis and Delivery of Study Report
- Approach to quantitative analysis
- Confirm data requirements for quantitative analysis — D
- Approach to qualitative analysis
- Confirm requirements for quantitative analysis — D
- Remote analysis of during pilot
- Qualitative analysis during participant visits
- Full quantitative and qualitative analysis
- Draft report created
- Discussion of draft report with Third Party — D4
- Final report created

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- Study protocol submission to ethics — M1 (Nov)
- Deploy Apple Watch app for use in study — M2 (Nov)
- First Participant First Visit (FPFV) — M3 (Jan)
- Last Participant Last Visit (LPLV) — M4 (Feb)
- Draft report — M5 (March)
- Final report — M6 (March)