

It's all about the data.

The Data Issue

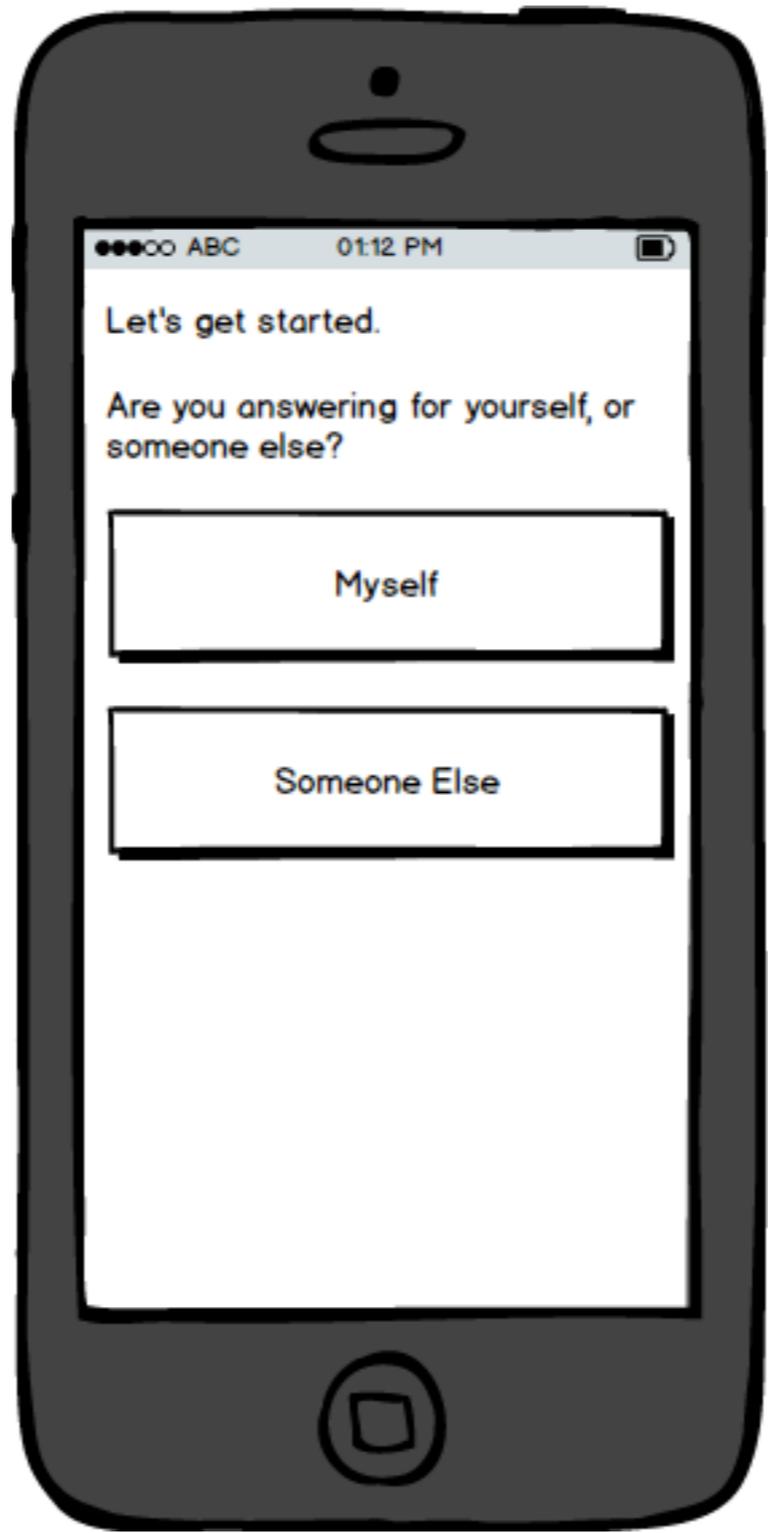
- Available open data is very vague.
- No more accurate or useful than basic demographics.
- High precision data locked up in services.

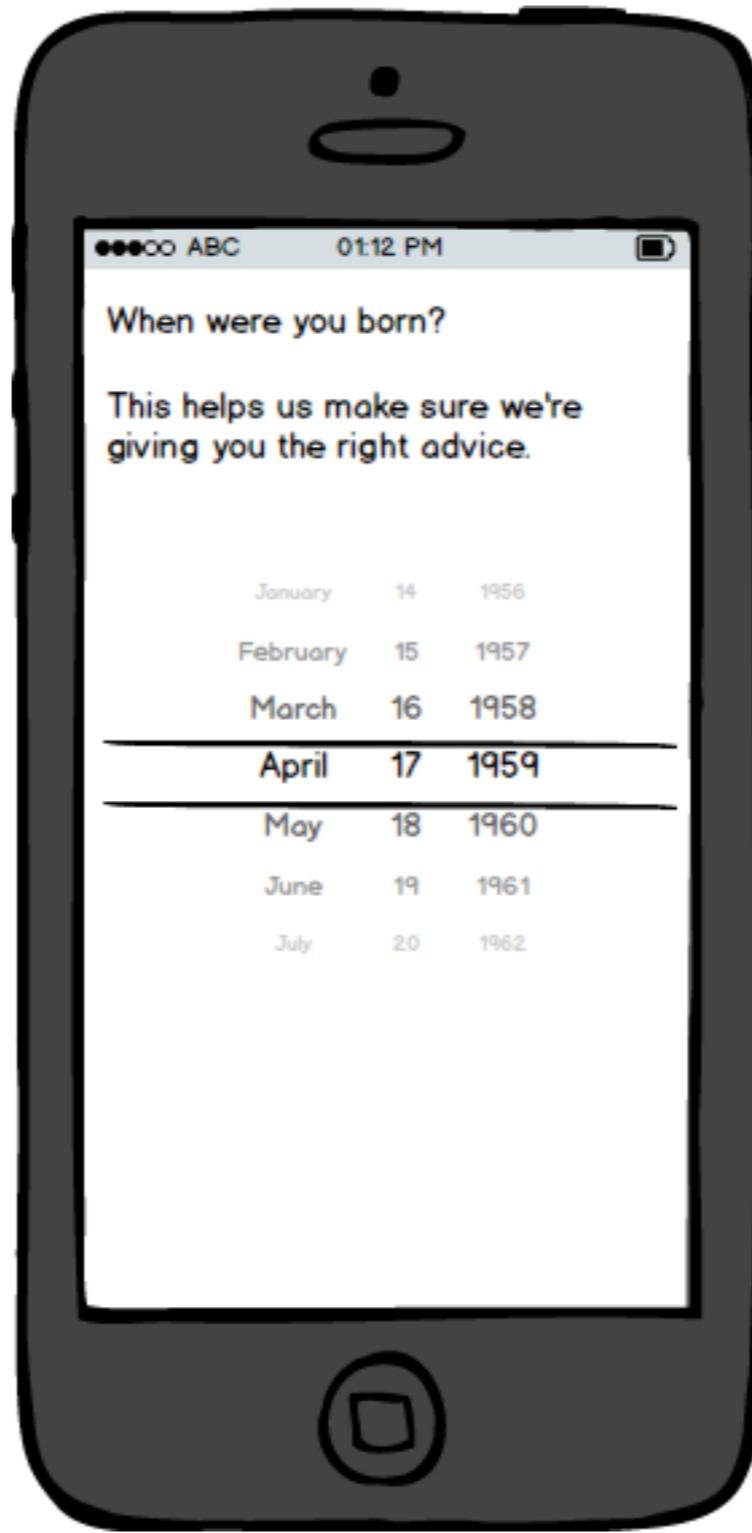
Crowdsource!

How?

- An app or website for citizens.
- Asks series of questions to identify fall risk.
- Attempts to match the citizen to the best supporting service.
- Collects demographic and risk data, as well as identifying holes in service provision.

Wireframes





●●●● ABC 01:12 PM 

When were you born?

This helps us make sure we're giving you the right advice.

January 14 1956

February 15 1957

March 16 1958

April 17 1959

May 18 1960

June 19 1961

July 20 1962



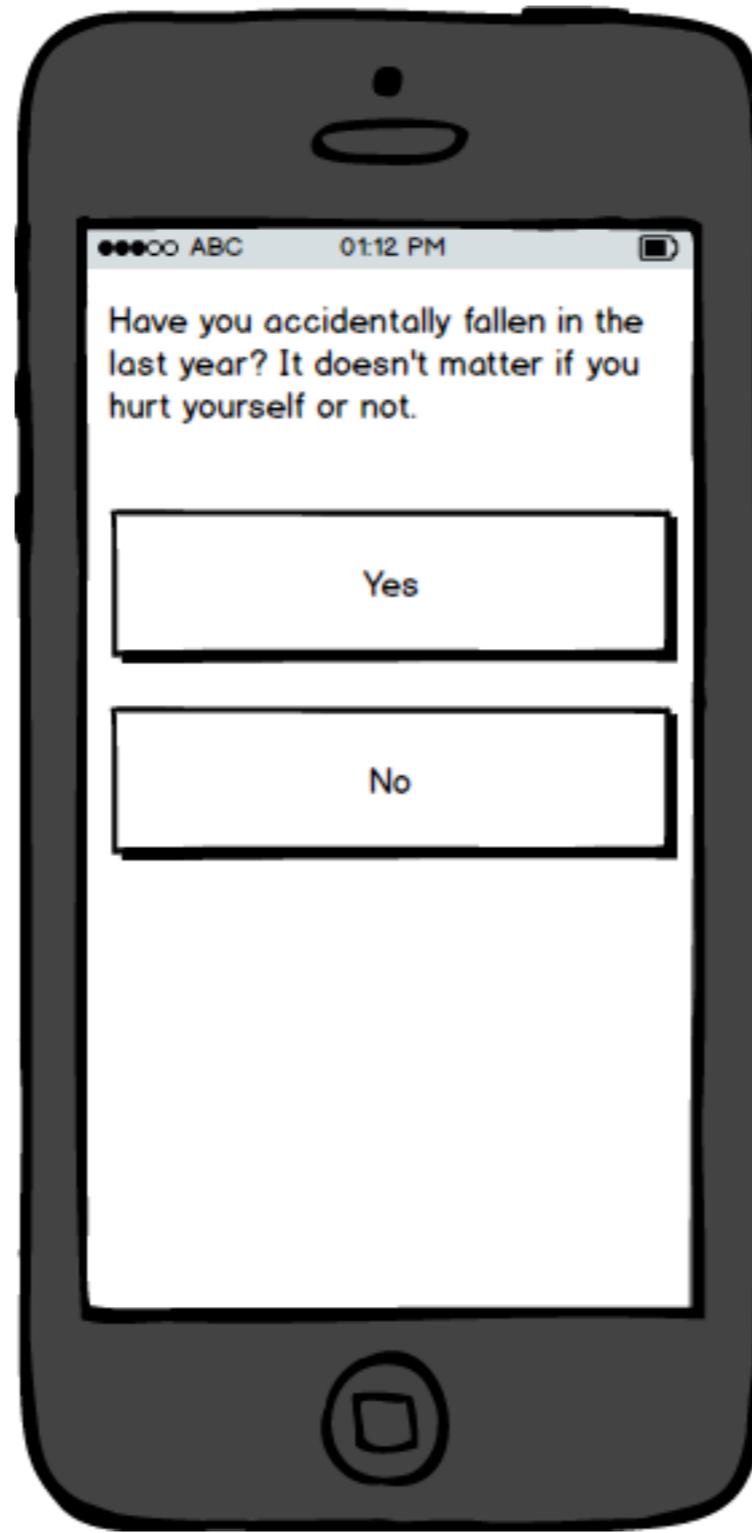
●●●● ABC 01:12 PM 🔋

Share your location?

Sharing your location lets us
provide better care.

No

Yes



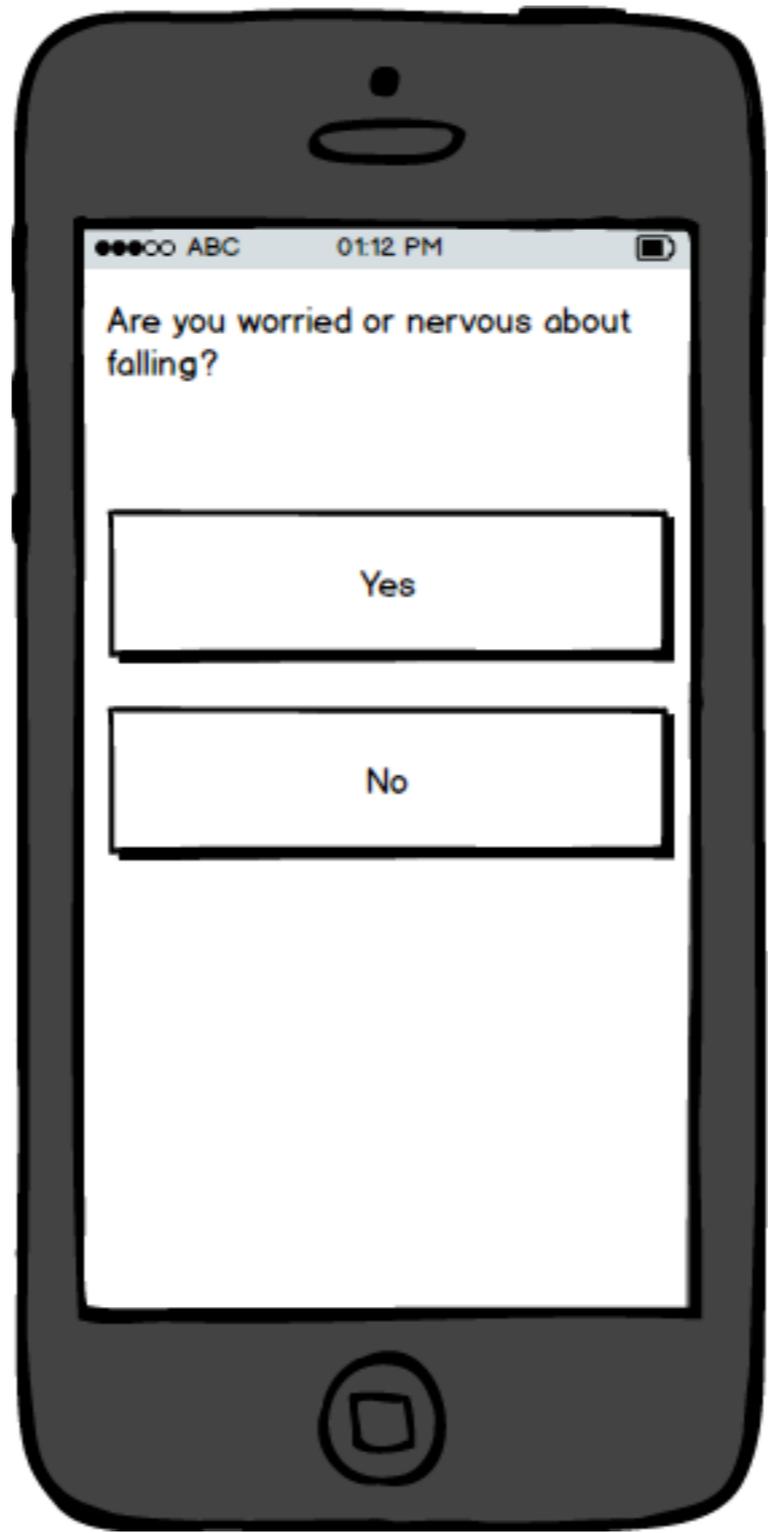
●●●● ABC 01:12 PM 

Have you accidentally fallen in the last year? It doesn't matter if you hurt yourself or not.

Yes

No





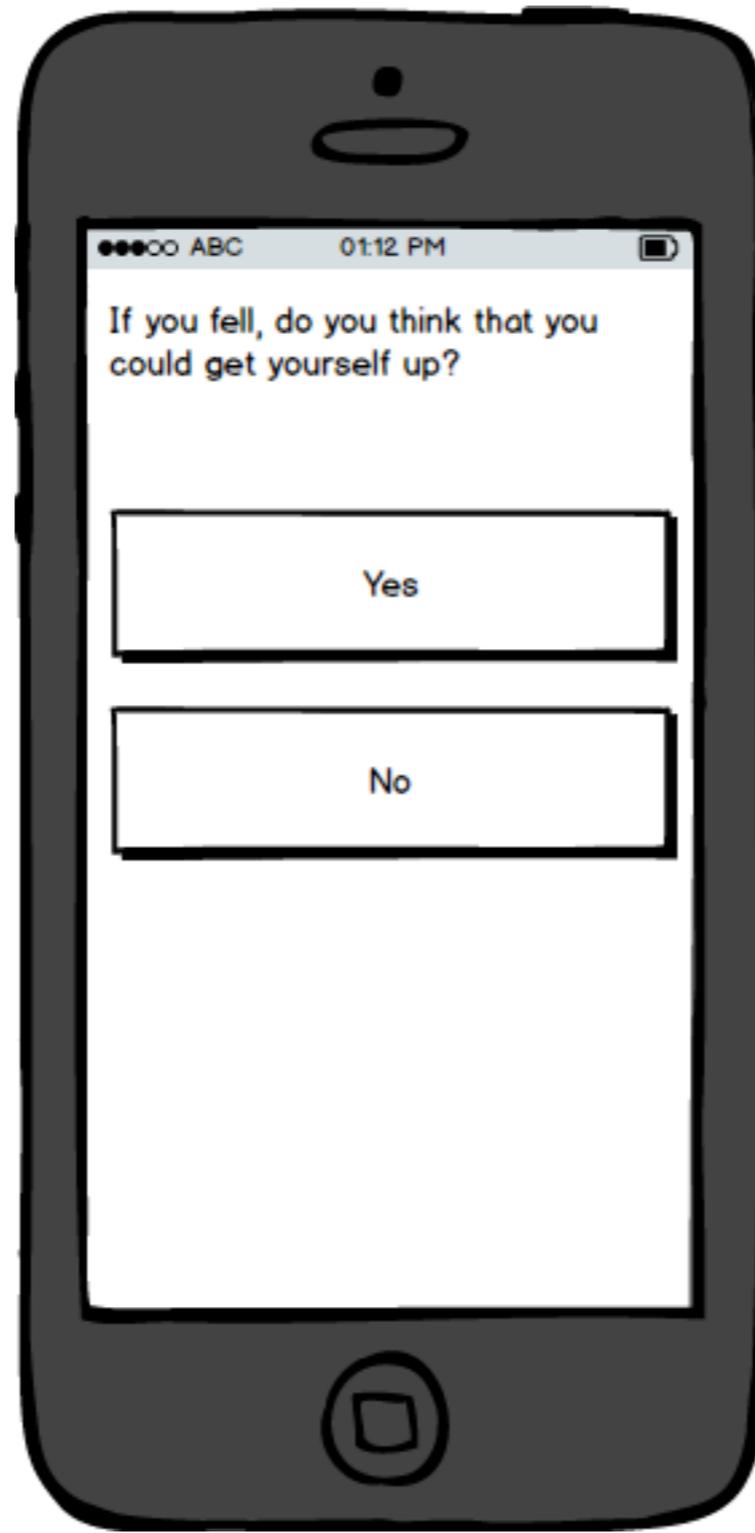
●●●● ABC 01:12 PM 

Are you worried or nervous about falling?

Yes

No





●●●● ABC 01:12 PM 

If you fell, do you think that you could get yourself up?

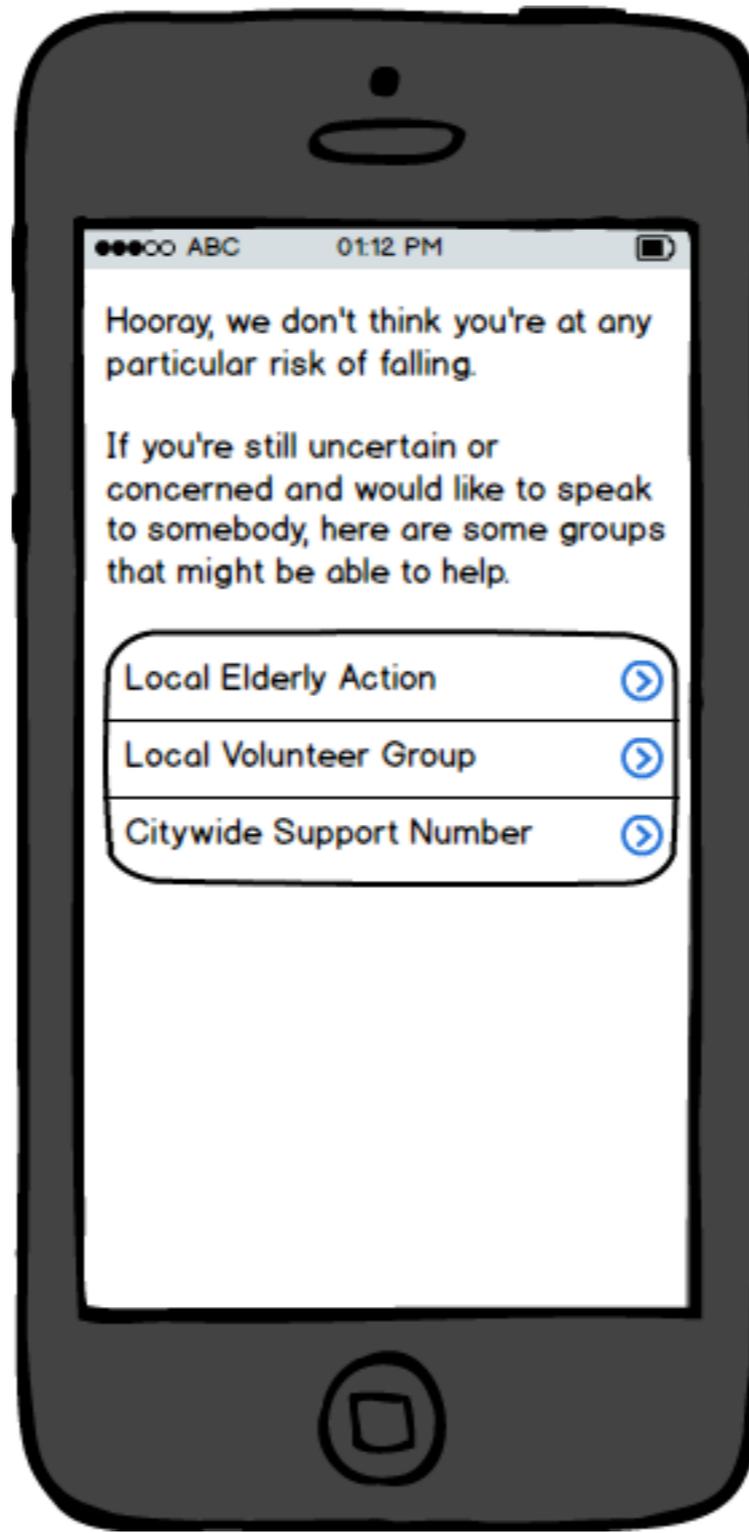
Yes

No



Behind the Scenes

- The app sends the age, location and calculated risk profile to a web service.
- The web service turns the risk profile into a set of service requirements, and asks the Service Directory for its best suggestions.
- The web service records the age band, location and fall risk profile.

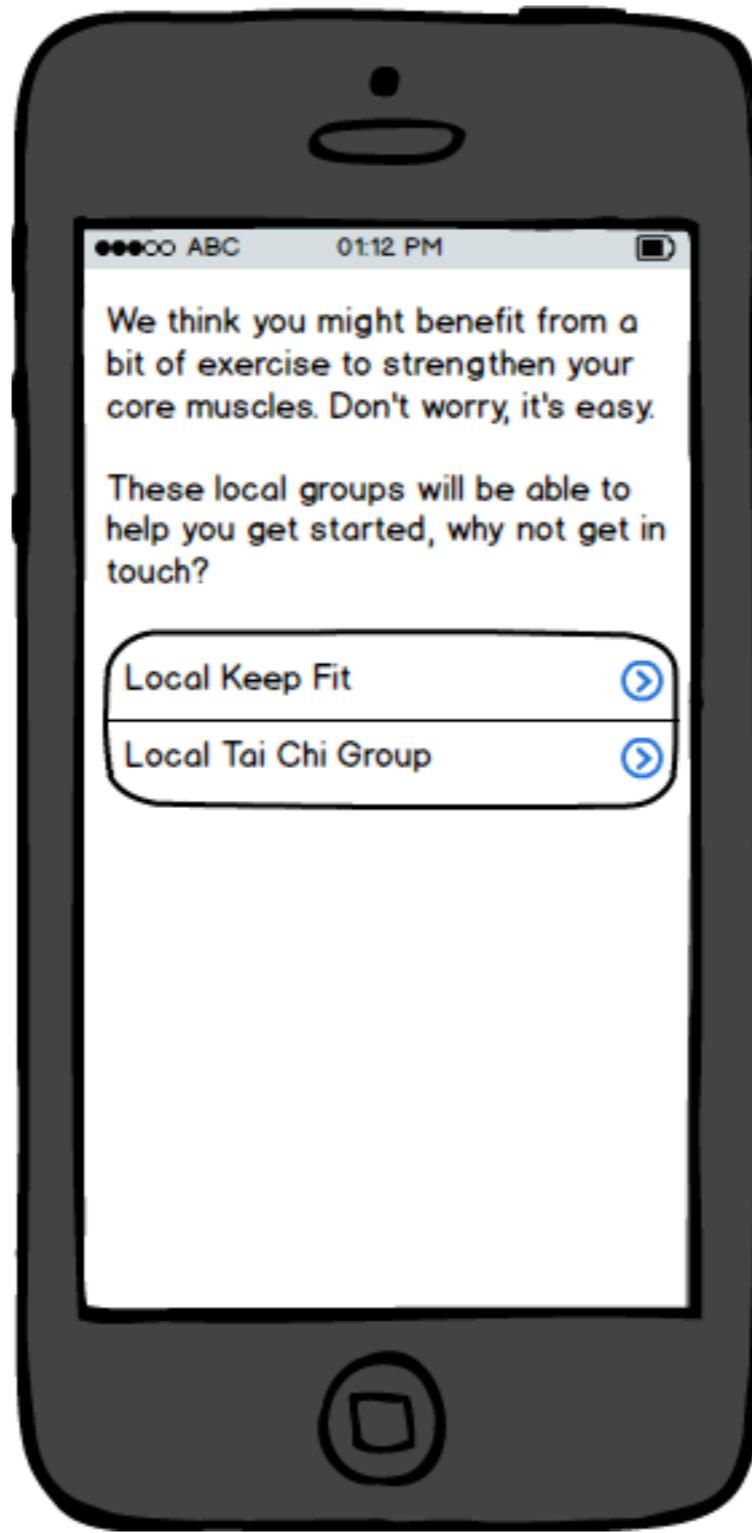


●●● ABC 01:12 PM

Hooray, we don't think you're at any particular risk of falling.

If you're still uncertain or concerned and would like to speak to somebody, here are some groups that might be able to help.

- Local Elderly Action
- Local Volunteer Group
- Citywide Support Number

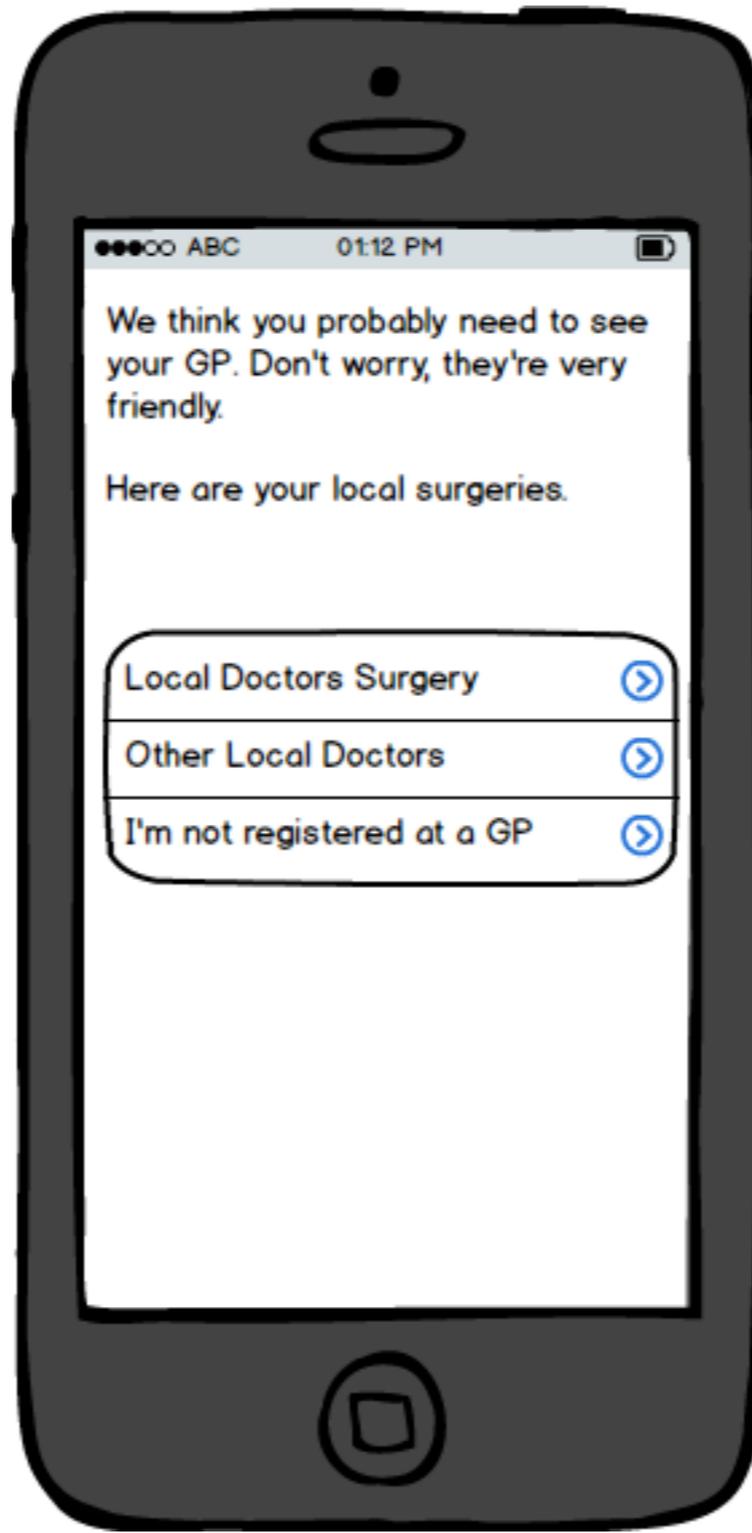


●●● ABC 01:12 PM

We think you might benefit from a bit of exercise to strengthen your core muscles. Don't worry, it's easy.

These local groups will be able to help you get started, why not get in touch?

- Local Keep Fit >
- Local Tai Chi Group >



●●● ABC 01:12 PM

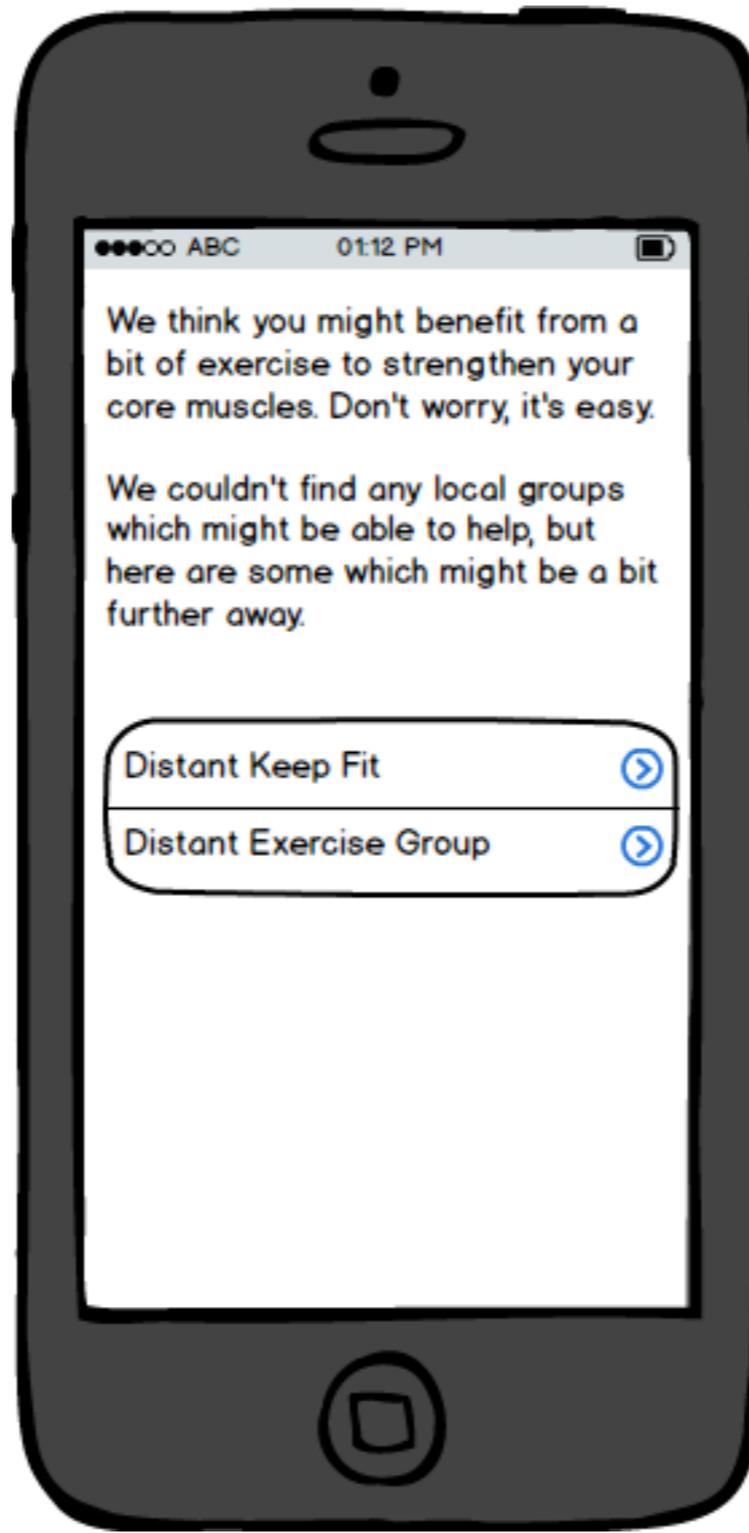
We think you probably need to see your GP. Don't worry, they're very friendly.

Here are your local surgeries.

- Local Doctors Surgery >
- Other Local Doctors >
- I'm not registered at a GP >

But wait!

What if there are no suitable local services?



ABC

01:12 PM

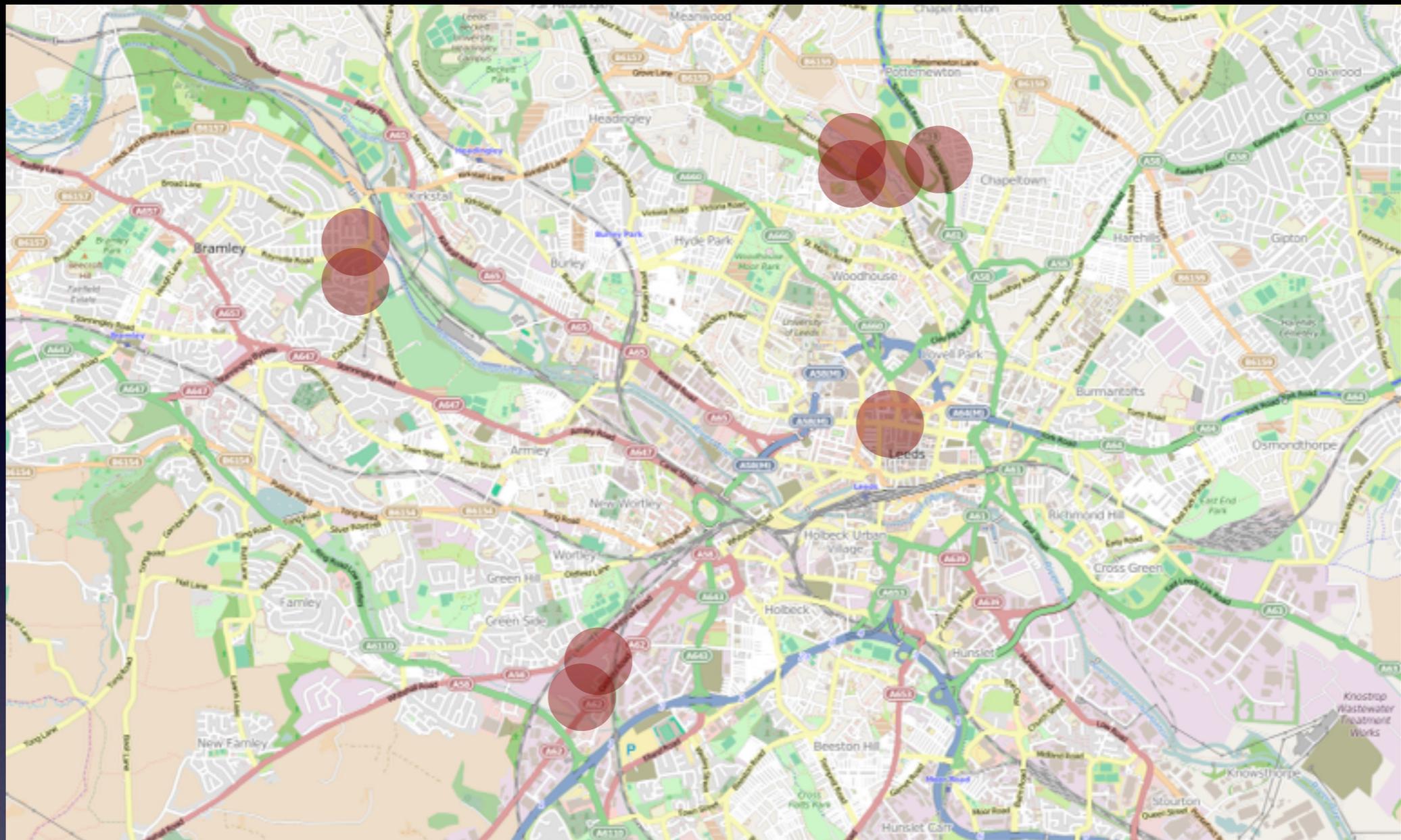
We think you might benefit from a bit of exercise to strengthen your core muscles. Don't worry, it's easy.

We couldn't find any local groups which might be able to help, but here are some which might be a bit further away.

- Distant Keep Fit
- Distant Exercise Group

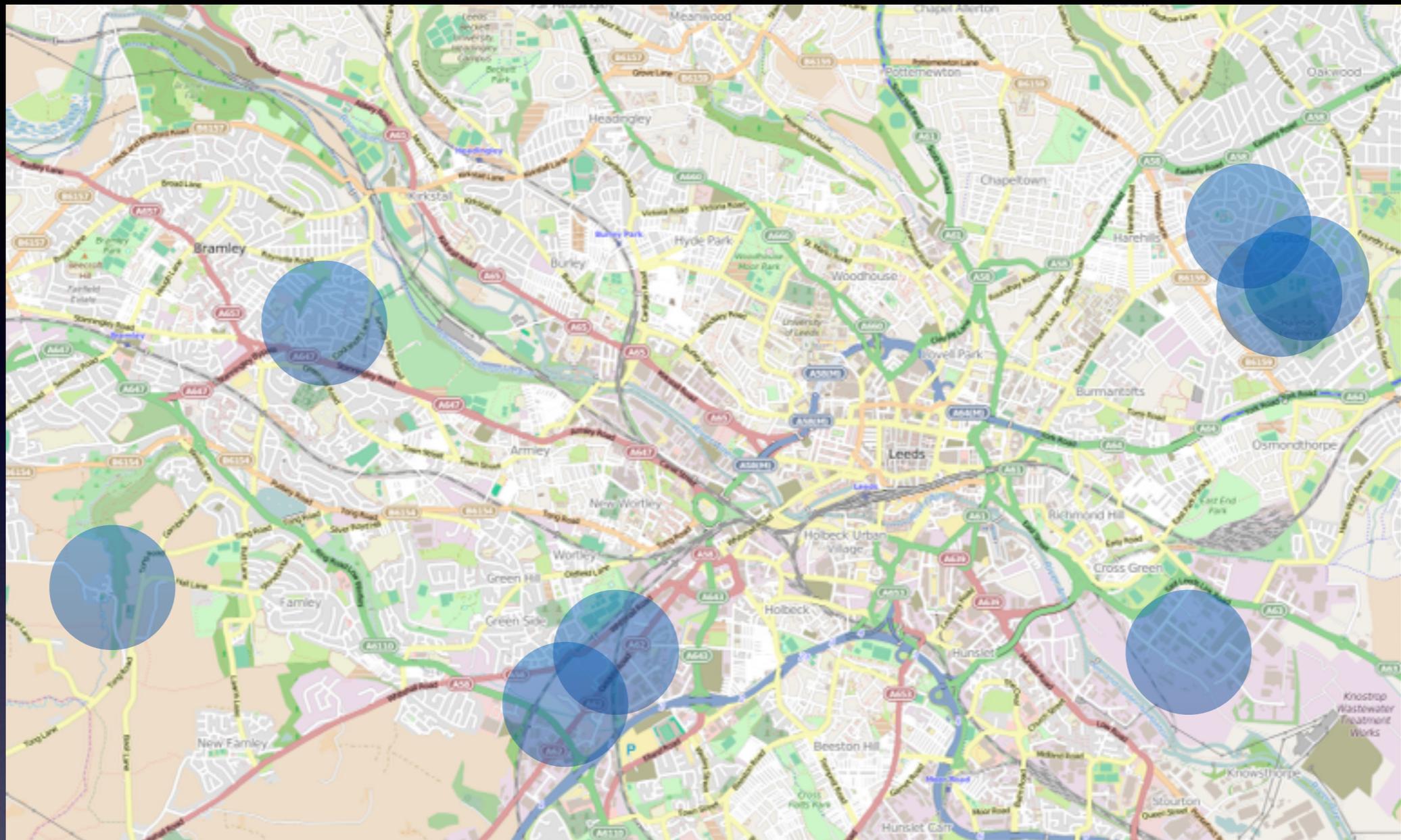
Behind the Scenes

- The 'missing' service offering is recorded.



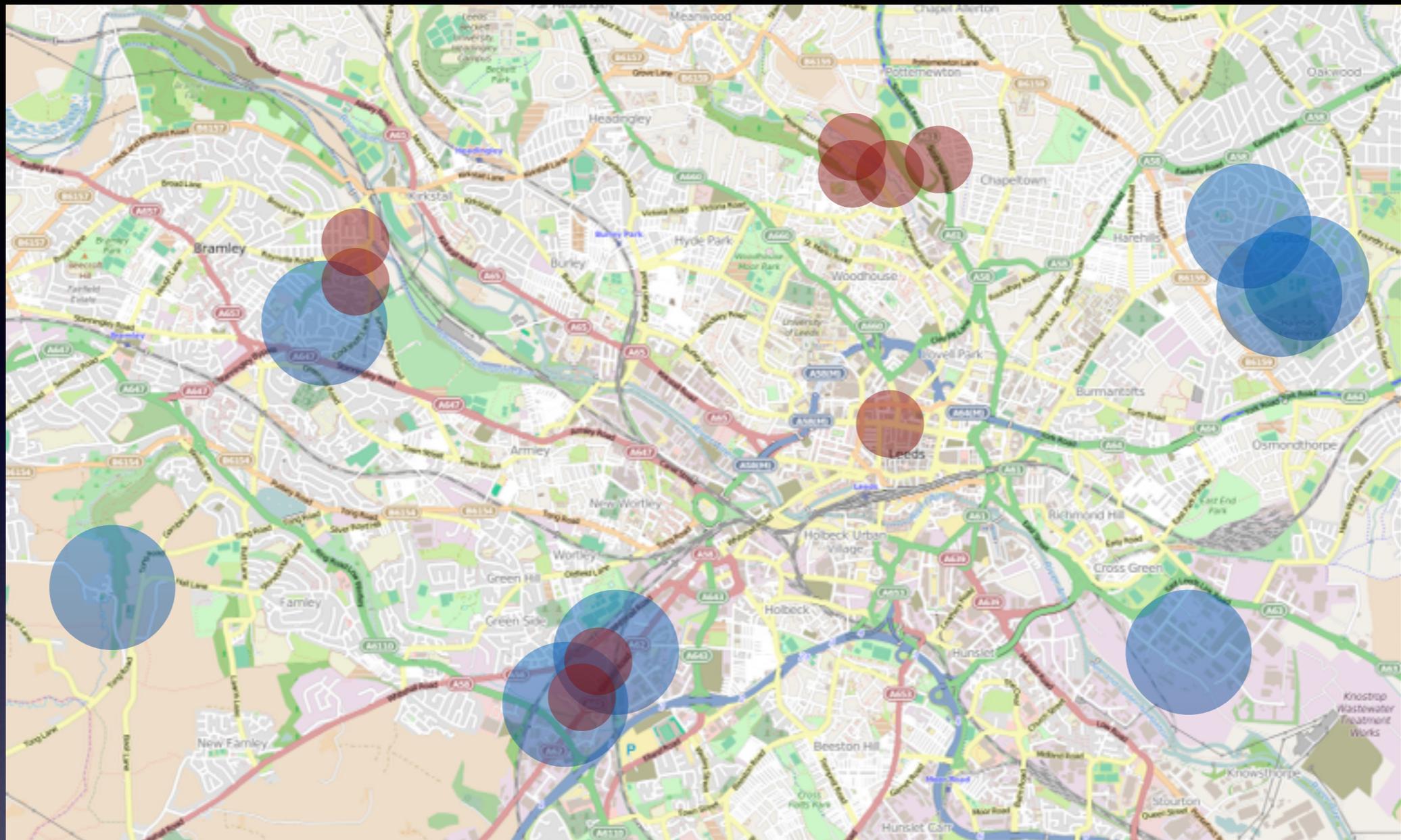
Risk Map

Highlight particular risk trends to allow focussing of pre-emptive support.



Missing Services

Areas which have an identified need for a specific service, but which aren't being served.



Mashups!

Do risk hotspots match up with missing care?

But first...

Leeds Directory website interface. The header includes a helpline number (0113 391 8333), social media icons, and the site logo 'Leeds DiRECTORY .org' with the tagline 'the easy way to find reliable, flexible services in your area'. A navigation menu lists: Home, Services, Events, Micro-Tender Noticeboard, Downloads, About Us, Provider Information, Accessibility, Search.

SEARCH RESULTS FOR:

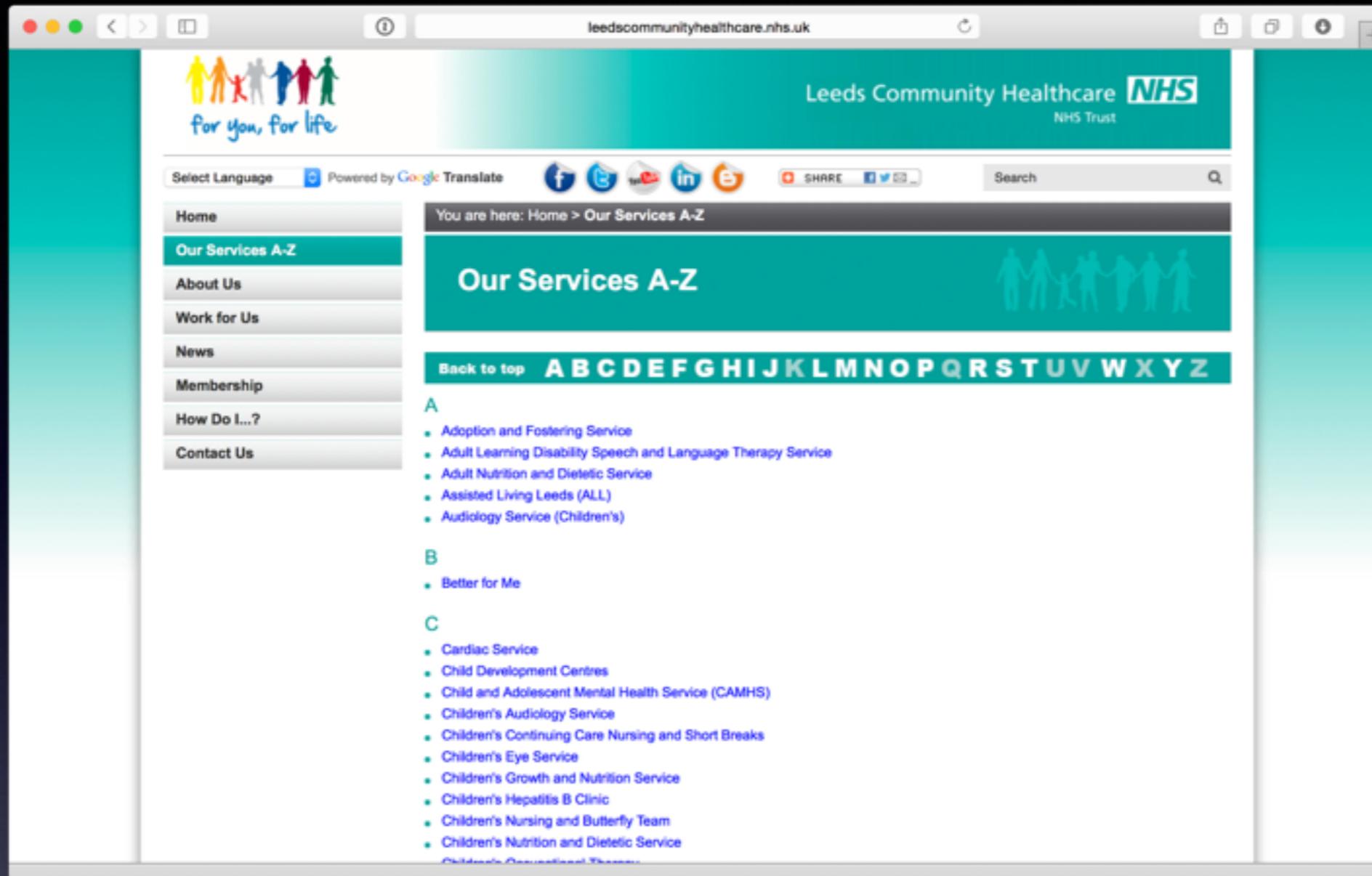
- A J Social Care**
 - Home care provider.
 - 4225 Park Approach, Leeds LS15 8GB
 - <http://www.ajsocialcare.co.uk>
 - communitycareleeds@ajsocialcare.co.uk
 - <http://www.cqc.org.uk/location/1-115002084>
 - 0330 555 2277
 - 5-star rating (12 RATINGS) from Care Quality Commission
 - Green checkmark icon
- Reflections Community Support**
 - We are a not for profit, community based
 - 4-star rating (4 RATINGS) from Care Quality Commission

Search and Filter

- Sort Results: Sort Results By [dropdown]
- Search by Company Name: Search by Company Name [input]
- Services Around the Home: All services Around the Home [input]
- Health and Personal Services: Wellbeing Services (78) x [input]
- In Your Community Services: [input]

Leeds Directory

It's full of good stuff, but it's trapped.



Leeds Community Healthcare

It's full of good stuff, but it's trapped.

carechoices.co.uk

Care homes in Leeds | Care Choices

HELPLINE 0800 389 2077 CONTACT

CareChoices

JUST CONFIRMED For all enquiries contact: 01223 206965 • paul.leshy@carechoices.co.uk

Derbyshire & Nottinghamshire Care Conference 15th July 2015, Nottingham

Lancashire Care Conference 22nd September 2015, Blackburn

Berkshire Care Conference 15th October 2015, Reading

INSIGHT

LEEDS

HOME ABOUT CARE TYPES ADVICE NEWS FUNDING PUBLICATIONS USEFUL CONTACTS

Useful national contacts

Useful contacts

Supported Living in Leeds

General information and advice

Information on local services

Sheltered housing in Leeds

Extra Care Housing in Leeds

Residential care

If you care for someone

Personal budgets

Daytime activities and support

Healthcare

Specialist equipment and changes to your home

Short-term support to get your independence back

Do you really need to move into a care home?

How your eligibility is decided

Home » Yorkshire And The Humber » West Yorkshire » Leeds

Care Providers & Care Homes in Leeds

Leeds Care Homes and Housing Options Directory 2014/15

 To obtain a hard copy of the Leeds Care Homes and Housing Options Directory please contact Leeds City Council directly on: 0113 247 8630.

There is an A-Z list of services offered by Leeds City Council available on their website. To view these services please visit their website: www.leeds.gov.uk/pages

There are supported living services available in Leeds. For more information on the services available and contact details, please [click here](#)

The pdf version of the Directory to the right is Browsealoud compatible. What is Browsealoud? [Find out here.](#)

VIEW RESULTS

Leeds Care Homes and Housing Options Directory



The comprehensive guide to choosing and paying for care

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CareChoices

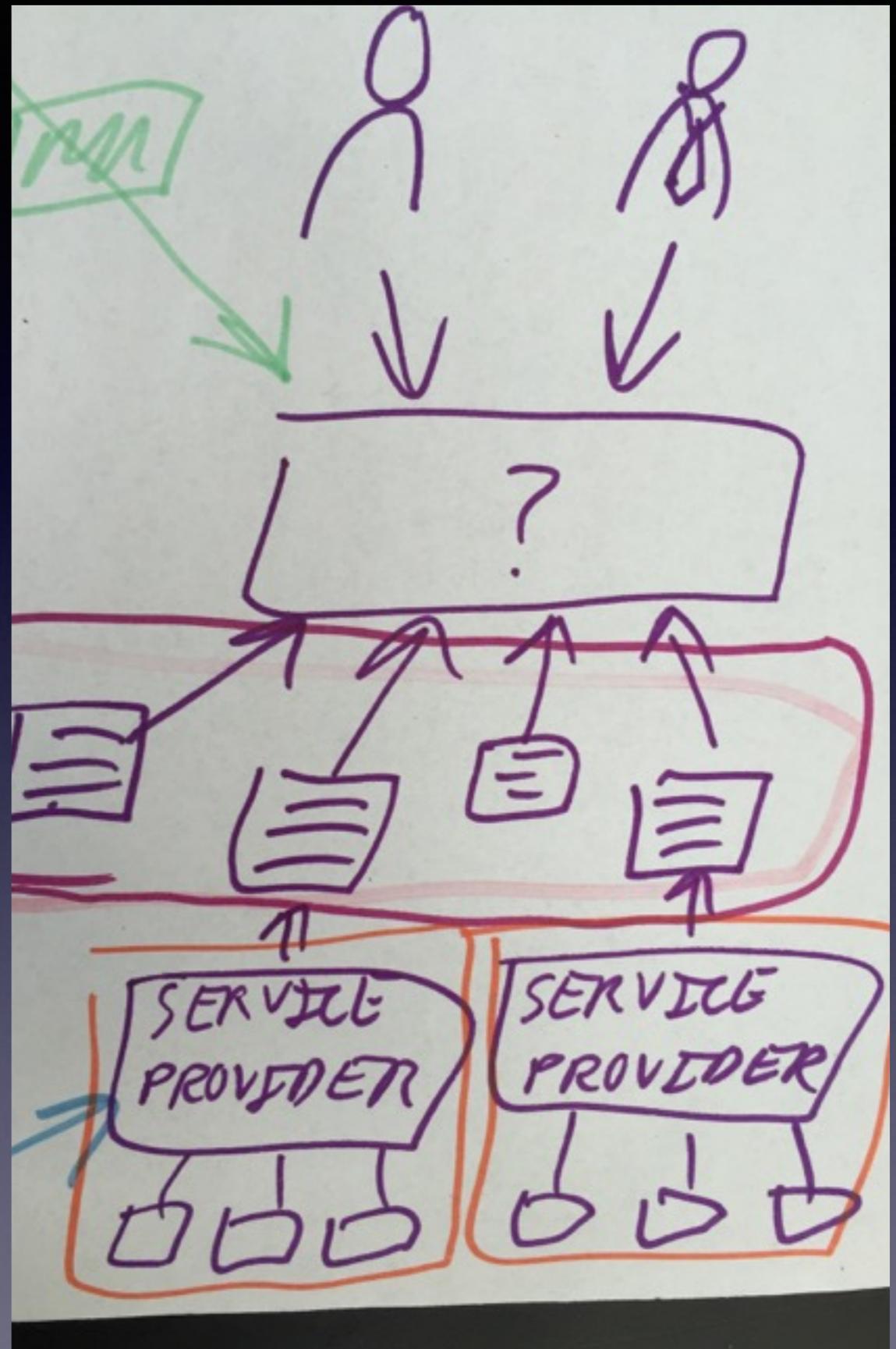
It's full of good stuff, but it's trapped.

Service Provision Data

- We need a standard, machine readable way for service providers to advertise their services.
- A single citywide service aggregator can then slurp up all the available services.
- Smart searching can match needs to service provision citywide without domain specific knowledge.

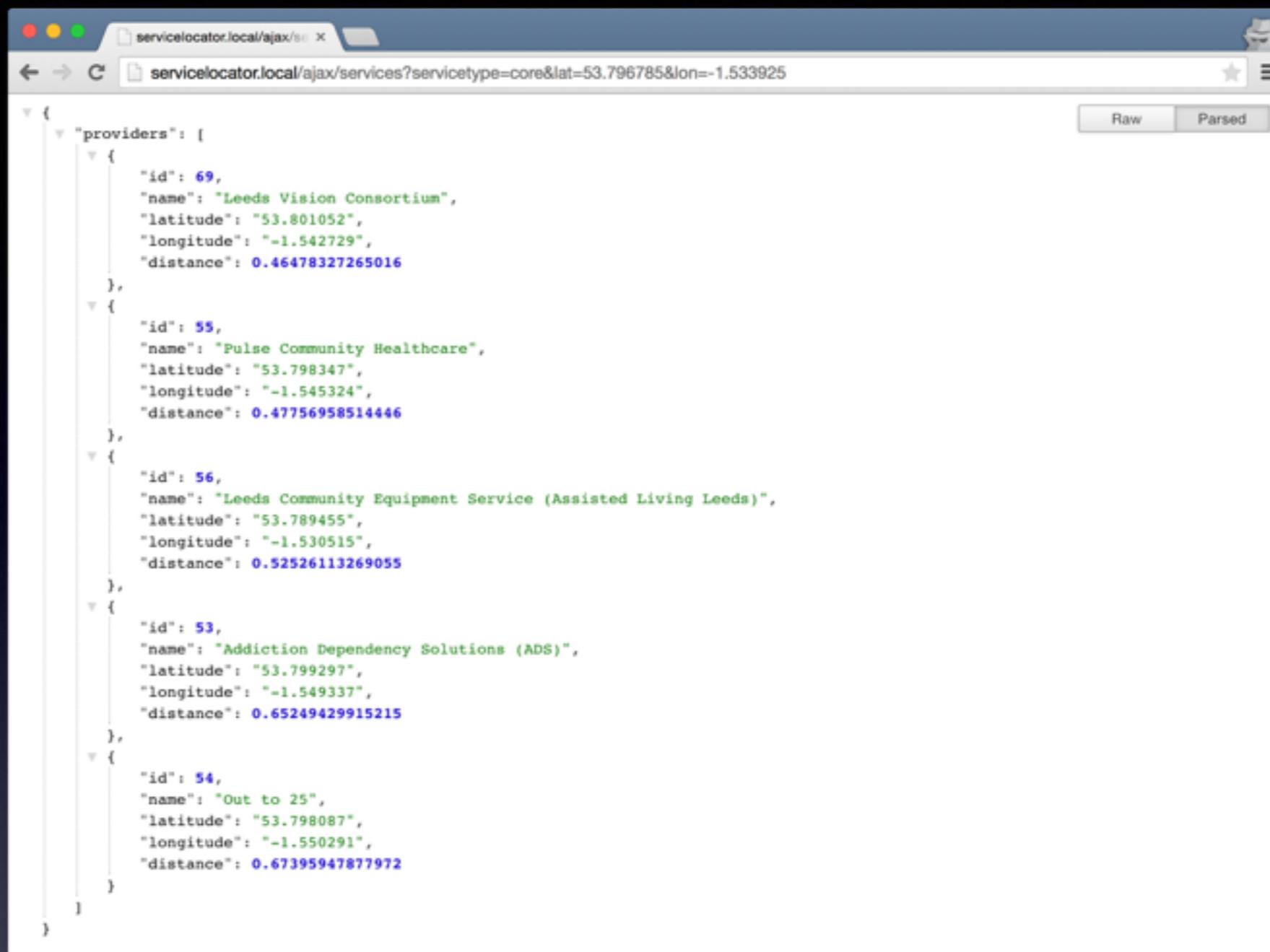
We even
sketched it.

Abstracting things away
from users almost always
increases flexibility.



Why is this better?

- Reduced duplication of effort across sectors.
- Places publishing of services directly with the service provider, rather than a middleman.
- Single source of data for websites, apps, caregivers, self-service directory etc
- High-level aggregation and statistics.



The screenshot shows a web browser window with the URL `servicelocator.local/ajax/services?servicetype=core&lat=53.796785&lon=-1.533925`. The page displays a JSON response for healthcare providers, with a 'Raw' button and a 'Parsed' button. The JSON data is as follows:

```
{
  "providers": [
    {
      "id": 69,
      "name": "Leeds Vision Consortium",
      "latitude": "53.801052",
      "longitude": "-1.542729",
      "distance": 0.46478327265016
    },
    {
      "id": 55,
      "name": "Pulse Community Healthcare",
      "latitude": "53.798347",
      "longitude": "-1.545324",
      "distance": 0.47756958514446
    },
    {
      "id": 56,
      "name": "Leeds Community Equipment Service (Assisted Living Leeds)",
      "latitude": "53.789455",
      "longitude": "-1.530515",
      "distance": 0.52526113269055
    },
    {
      "id": 53,
      "name": "Addiction Dependency Solutions (ADS)",
      "latitude": "53.799297",
      "longitude": "-1.549337",
      "distance": 0.65249429915215
    },
    {
      "id": 54,
      "name": "Out to 25",
      "latitude": "53.798087",
      "longitude": "-1.550291",
      "distance": 0.67395947877972
    }
  ]
}
```

Healthcare Providers

From Leeds Directory, the 5 geographically closest to Munro House (that's here).



Service Travel Distance

How long will it take to get to a specific service provision from different areas of the city?

So, what next?

- Develop (or find) a sensible publishing standard for service descriptions.
- Convert at least one list of services to publish their offerings using this standard.
- Implement a service aggregator proof of concept.
- Start using it as part of the backbone of services in things like the fall advice app.

Feedback Loop

- Gradually transition to the directory being the standard way to publish service availability.
- Data quality will improve over time as errors are reported.
- Improved data leads to improved usage, which leads to improved accuracy in location of older users, their needs, and gaps in the service provisions.

Questions?