~~The next generation of health informaticians~~

Maxine Mackintosh

NHS-HE Forum – 29th November 2017

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- Co-Founder, One HealthTech **@oht_uk**

I ....

Like doing seemingly unrelated degrees

BSc Neuroscience & Pharmacology

MSc Health Economics & Policy

PhD Data Science/Dementia

UCL

LSE THE LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

LONDON SCHOOL of HYGIENE &TROPICAL MEDICINE

UCL

Like exploring the health/tech space

THE ROYAL SOCIETY

L'ORÉAL

balloon

Roche

NHS England

casmi

Centre for the Advancement of Sustainable Medical Innovation

GLOBAL SHAPERS COMMUNITY

YOUTH HEALTH PARLIAMENT

DIGITAL HEALTH FORUM

NeuroLaunch

Why data science?

```
for i in people.data.users:
    response = client.api.statuses.user_timeline.get(screen_name=i.scre
    print 'Got', len(response.data), 'tweets from', i.screen_name
    if len(response.data) != 0:
        ltdate = response.data[0]['created_at']
        ltdate2 = datetime.strptime(ltdate,'%a %b %d %H:%M:%S +0000 %Y'
        today = datetime.now()
        howlong = (today-ltdate2).days
        if howlong < daywindow:
            print i.screen_name, 'has tweeted in the past' , daywindow,
            totaltweets += len(response.data)
            for j in response.data:
                if j.entities.urls:
                    for k in j.entities.urls:
                        newurl = k['expanded_url']
                        urlset.add((newurl, j.user.screen_name))
        else:
            print i.screen_name, 'has not tweeted in the past', daywind
```

Understand the impact of data

Logical methods

Thinking creatively

Mum

- White
- Middle class
- Cambridge PhD
- Epidemiologist

Dad

- White
- Middle class
- Cambridge PhD
- Physicist

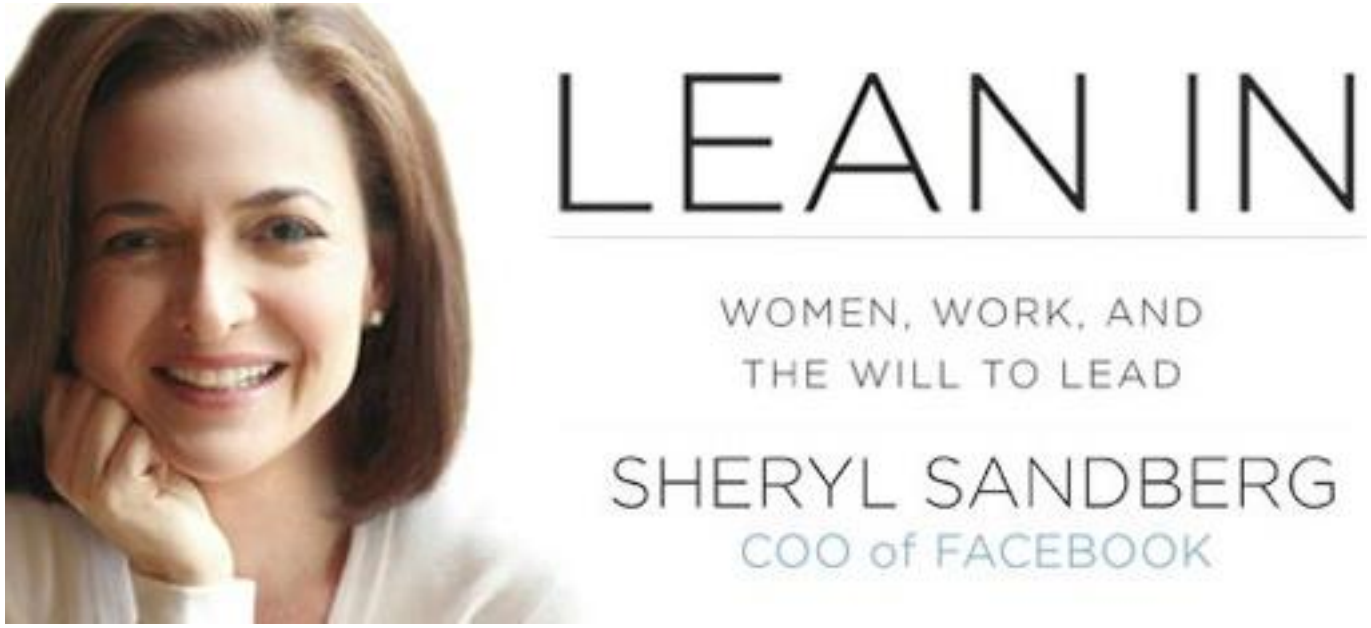
Mum
- White
- Middle class
- Cambridge PhD
- Epidemiologist

Dad
- White
- Middle class
- Cambridge PhD
- Physicist

Me
- White
- Middle class
- UCL PhD *(pending)*
- Data scientist

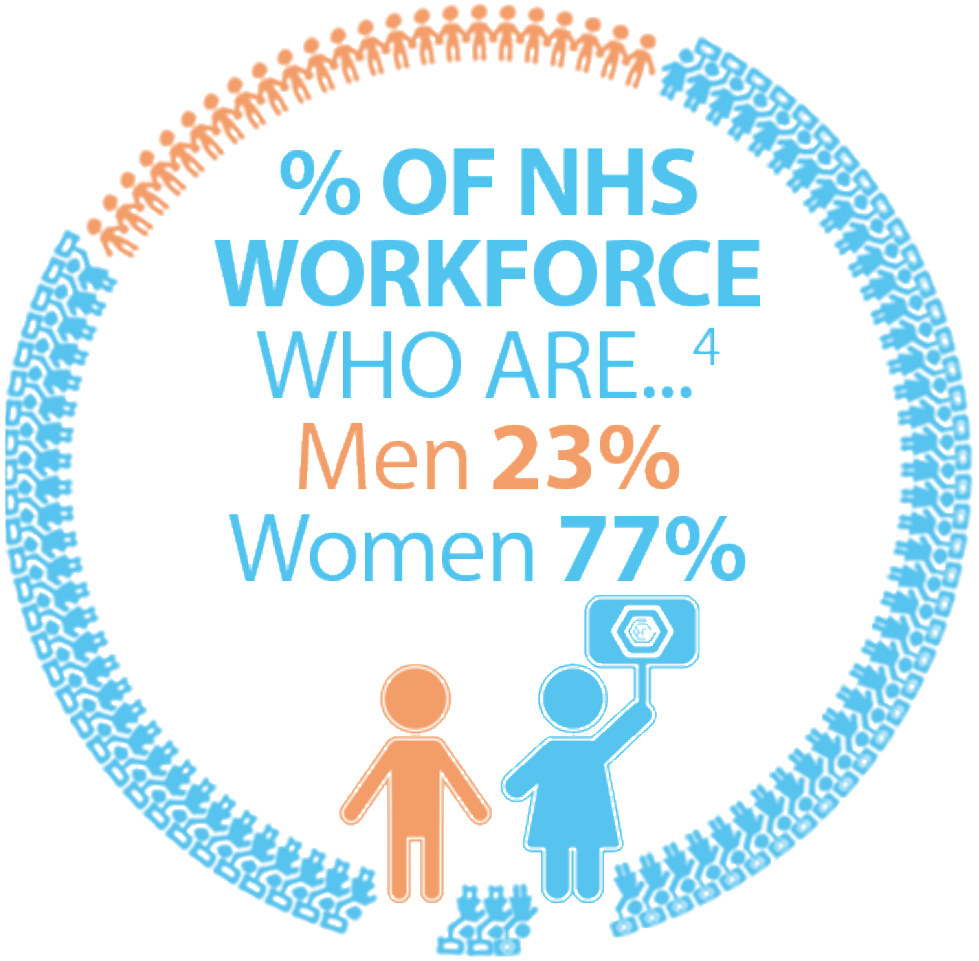
HOW IS PHD GOING?
GREAT!

@Maxi_Macki


LEAN IN
WOMEN, WORK, AND
THE WILL TO LEAD
SHERYL SANDBERG
COO of FACEBOOK

coursera
techmums
DevelopHer
girls who
code
lynda.com
WIK
CODEFIRST:Girls

Why does future healthcare have a problem?



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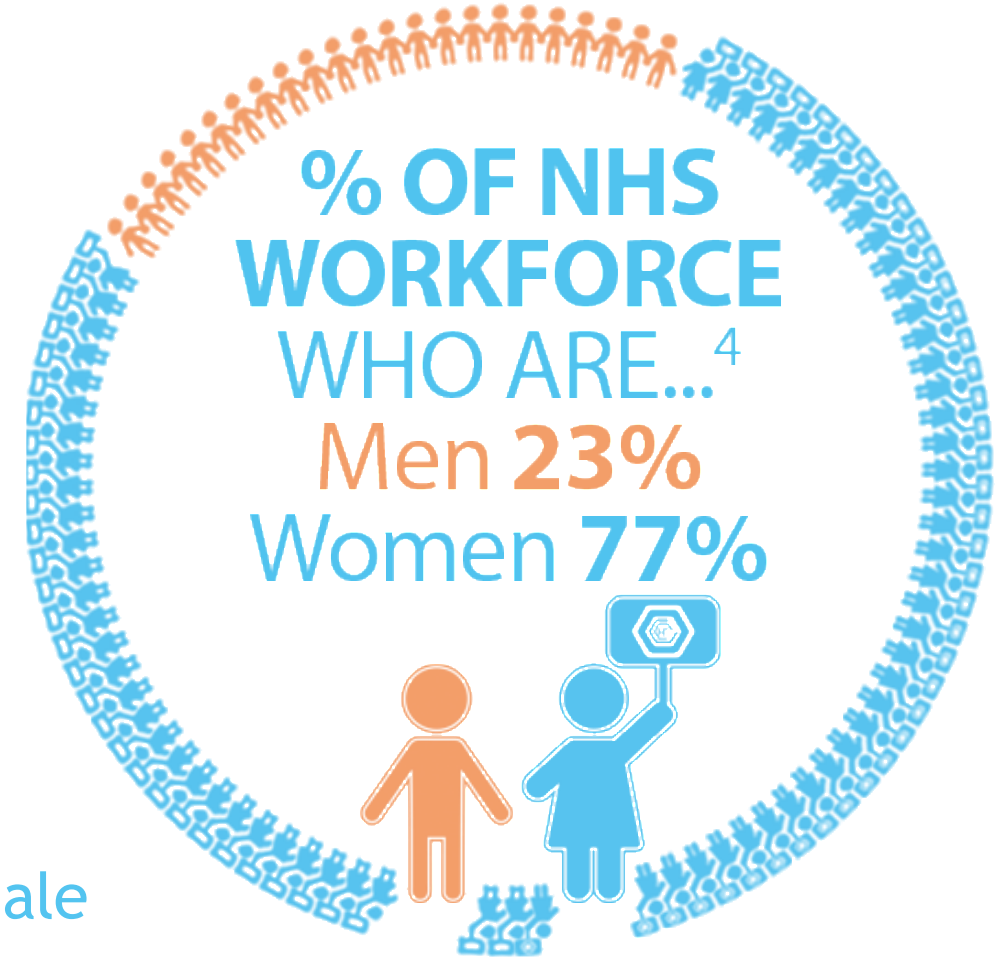


15% of university spin outs are led by women

<9% of patents in the UK are filed by women

22% of UK professors are women

9% of medtech companies are female-founded

16% of the UK technology sector workforce are female

<5 % of engineers in the NHS are women

25% of Board level Directors in the NHS with an informatics role are female

“Let’s start a community” they said…
“It would be fun”…

one healthtech UK

So… it's just a network yeah?

- **Organise:** Self organise into niches based on needs
- **Tone:** Full of misfits/informality is built-in ("authenticity")
- **Knowledge:** Based on soft skills → Communities *feel*
- **Leadership:** X influencing/persuading followers! Unelected but emerging
- **Connection**: Physically meeting vs virtual spaces
- **Hierarchy**: None

Efforts like OHT just scratch the surface

“We can't tell people to change their culture, what we have to do is grow the numbers and show the way we can change the culture from within rather than dictating”

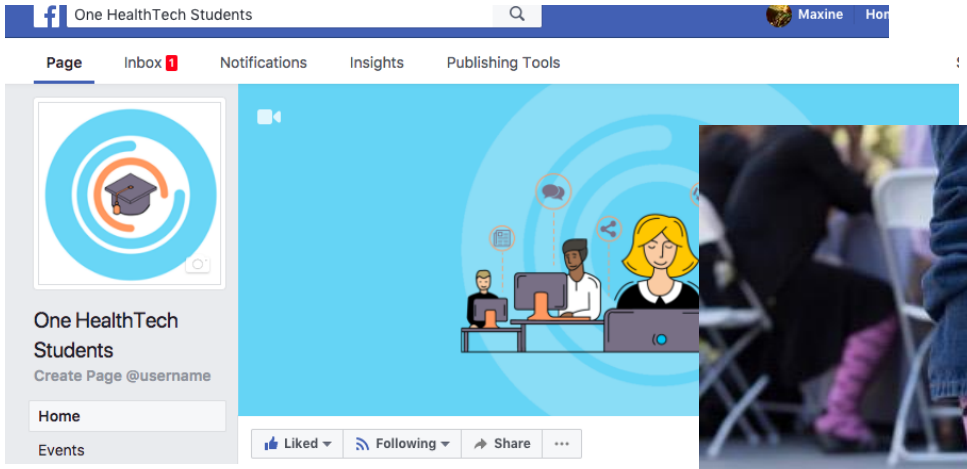
Clare Marx
(1st female president of the Royal College of Surgeons)

1. Respect
2. Cash
3. Structure
4. Attend

meetup

DATA BEERS LDN

Doctors' Digital Collective



NHS HACKDAY

GEEKS WHO LOVE THE NHS

Christmas Party

Thursday 7 December 18:00 - 21:00

Health Foundry

London

SE1 7LL

health foundry

draper esprit

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