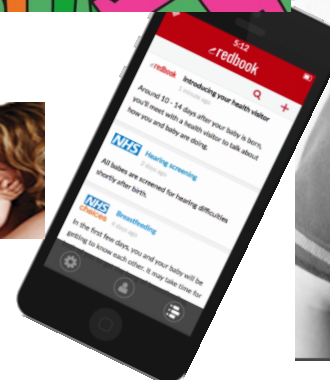


Making Local Child Health Data Real for Parents and Early Years Providers



Every child matters,
every record counts

8th February 2018



National Information Board



Healthy Children:
Transforming Child Health
Information

Nov 2016

NHS England Publications Gateway Reference 05454

Child Health Digital Strategy in London ~ The Healthy Child Programme +

Healthy Child Programme: Providers of service/ Source system for information

0d	NIPE	Midwives, Paediatricians/ Maternity Systems, NIPE SMART
5d	Bloodspot	Midwives, HVs / Lab Systems, Bloodspot Failsafe, CHIS
8d	Hearing	Screeners/ eSP
11d	New Baby Review	Health Visitors/ CHIS
7w	6-8 Week Exam	GP/ Primary Care Systems
9w	8/12/16 wk Imms	Practice Nurse/ Primary Care Systems
12m	12 mth Review	Health Visitors/CHIS
13m	12/13 mth Imms	Practice Nurse/ Primary Care Systems
24m	2/2.5 yr Integ Review	Health Visitors or EYP/ CHIS or LA Systems
40m	3yr 4mth Imms	Practice Nurse/ Primary Care Systems
4y	4-5yr eyesight check	School Nurses/ CHIS, paper, LA systems
	School Entry Chk	School Nurses/ CHIS, paper, LA systems
	Year 6 Check	School Nurses/ CHIS, paper, LA systems
	Year 8 HPV	School Nurses/ CHIS, paper, LA systems
	Booster Imms	School Nurses/ CHIS, paper, LA systems

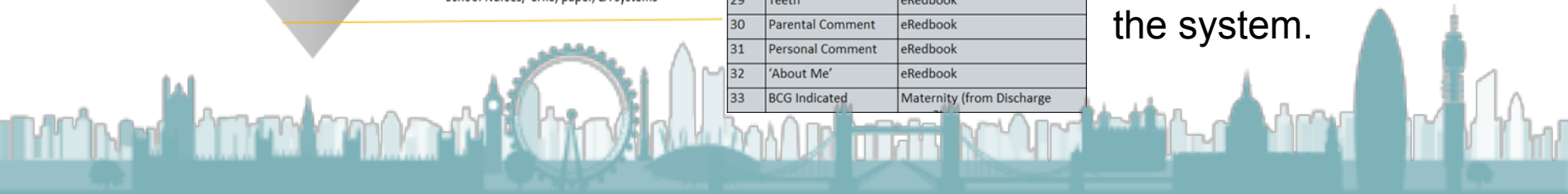
Event	Event Type	Primary Source (Originator)
1	Birth Details	Maternity (Via PDS)
2	NIPE Screening	Maternity or NIPE SMART
3	Blood Spot Screening	Screening Laboratory
4	Hearing Screening	eSP
5	New Baby Review	CHIS
6	Immunisations	GP and others
7	6-8 wk HV Review	CHIS
8	6-8 wk GP Review	GP
9	Height & Weight	CHIS
10	Vitamin K	Maternity
11	1 yr Review HV/GP	CHIS / GP
12	Conditions	GP (initially), and other settings
13	Special Needs	GP (As above)
14	Allergies & Drug	GP (As above)
15	Accidents & Injuries	GP or A&E or Urgent Care
16	Family Relationships	CHIS
17	Family Conditions	CHIS
18	2/2.5 Integrated	CHIS (HV) and others
19	School Entry Review	CHIS
20	Professional Advice	eRedbook
21	Professional	eRedbook
22	Hepatitis B Indicated	Maternity (from Discharge)
23	Responsible Health Professionals	PDS, Maternity, Primary Care, Community
24	Address	PDS, CHIS, Other, eRedbook
25	Interpreter Required	CHIS
26	Maternity Messages	Maternity
27	Maternity Messages	Maternity
28	Developmental First	eRedbook
29	Teeth	eRedbook
30	Parental Comment	eRedbook
31	Personal Comment	eRedbook
32	'About Me'	eRedbook
33	BCG Indicated	Maternity (from Discharge)

Healthy Children: Transforming Child Health Information

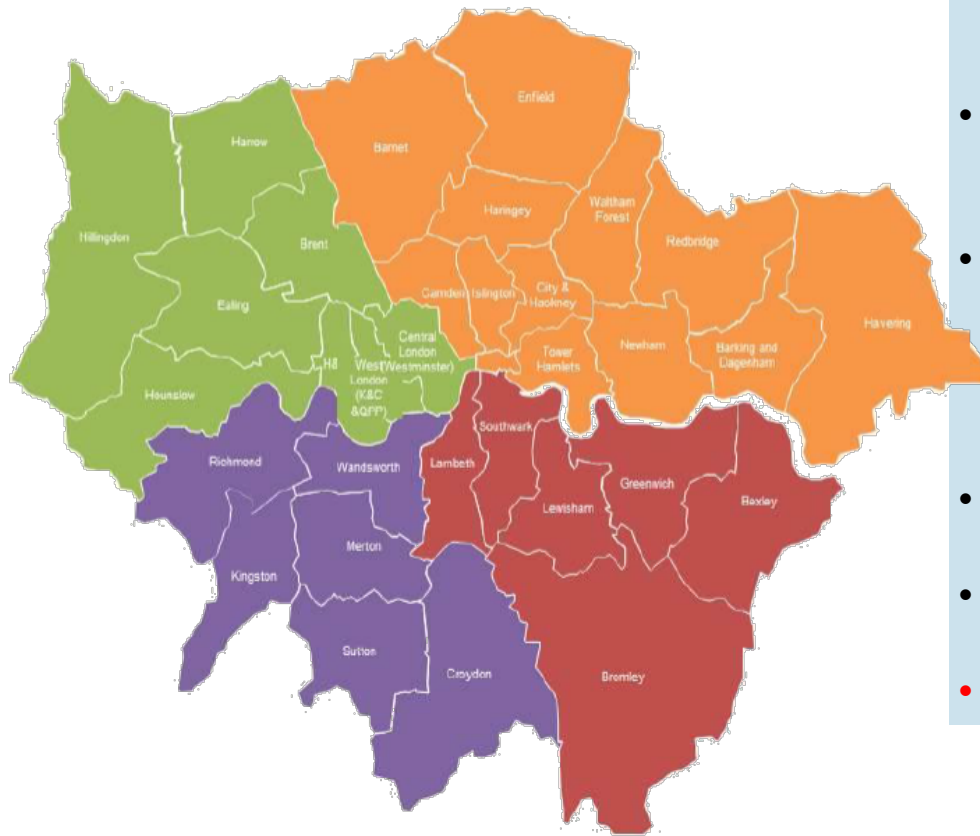
> Responding to parents' requests for an electronic record to help them manage their child's early years

> Knowing where every child is and how healthy they are

> Appropriate access for all involved in the care of children across the system.



Child Health Digital Strategy in London – the scale of our challenge



- 136,000 live births annually + 17% net importer of children into our outer-boroughs + 21% net importer for school-aged children
- 133 data points for Healthy Child Programme = 52.5m data points on under 6s only
- Integration with:
 - Multiple providers
 - Copious systems
 - NHS Spine compliance
 - New FHIR messaging for eRedbook
- Mobility across two CCGs or Local Authorities is 30.1% every 6 months
- We have some very vulnerable children – 800 babies born annually with HepB
- **Where is healthy lifestyle choices?**



Younger generations are becoming **obese at earlier ages** and staying obese into adulthood

28% of children aged 2 to 15 are **overweight or obese**

Of every 100 4 & 5 year olds in England there are...

1	77	13	9
under weight	healthy weight	over-weight	obese

Of every 100 10 & 11 year olds in England there are...

1	65	14	20
under weight	healthy weight	over-weight	obese

More than a **quarter of adults** and **one fifth of children** eat food from **out of home food outlets** at least once a week

27%

Meals eaten outside of the home tend to be associated with higher intakes of **sugar, fat, and salt** and portion sizes tend to be bigger

Food outlets increasingly cluster around schools

The increasing consumption of out-of-home meals has been identified as an important factor contributing to rising levels of obesity

18% of meals were eaten out of the home in 2015, up 5% on 2014



The economic costs of obesity

Obesity costs the wider society **£27 billion**



The NHS in England spent an estimated **£6.1 billion** on overweight and obesity-related ill-health in 2014/15

We spend **more** each year on the **treatment** of obesity and diabetes **than** we do on the **police, fire service and judicial system combined**



How much is too much?

Here are the maximum daily amounts of saturated fat for your children.

4-6 year olds: 18 grams

7-10 year olds: 22 grams

11+ year olds: 28 grams

be food smart change 4 lives

Providing the best most active start in life

Physical activity for early years (birth – 5 years)

Active children are healthy, happy,
school ready and sleep better

BUILDS RELATIONSHIPS & SOCIAL SKILLS	MAINTAINS HEALTH & WEIGHT	CONTRIBUTES TO BRAIN DEVELOPMENT & LEARNING
IMPROVES SLEEP	DEVELOPS MUSCLES & BONES	ENCOURAGES MOVEMENT & CO-ORDINATION

Every movement counts

Aim for at least 3 Hours across everyday

PLAYGROUND	JUMP	CLIMB
MESSY PLAY	THROW/CATCH	SKIP
OBJECT PLAY	DANCE	GAMES
PLAY	TUMMY TIME	SWIM
WALK	SCOOT	BIKE

Move more. Sit less. Play together

Physical activity for children and young people (5 – 18 Years)

BUILDS CONFIDENCE & SOCIAL SKILLS	STRENGTHENS MUSCLES & BONES	MAINTAINS HEALTHY WEIGHT
DEVELOPS CO-ORDINATION	IMPROVES SLEEP	IMPROVES HEALTH & FITNESS
IMPROVES CONCENTRATION & LEARNING	MAKES YOU FEEL GOOD	

Be physically active

Spread activity throughout the day

Aim for at least 60 minutes everyday

All activities should make you breathe faster & feel warmer

PLAY	RUN/WALK	BIKE	ACTIVE TRAVEL
SWIM	SKATE	SPORT	PE
SKIP	CLIMB	WORKOUT	DANCE

Include muscle and bone strengthening activities
3 TIMES PER WEEK

Sit less LOUNGING **Move more**

Find ways to help all children and young people accumulate at least 60 minutes of physical activity everyday

Increasing Activity as a family

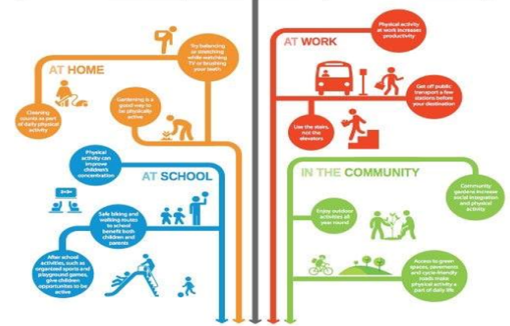


Make physical activity a part of daily life during all stages of life

6 OUT OF 10 people in the European Union over the age of 15 never or seldom exercise or play sports

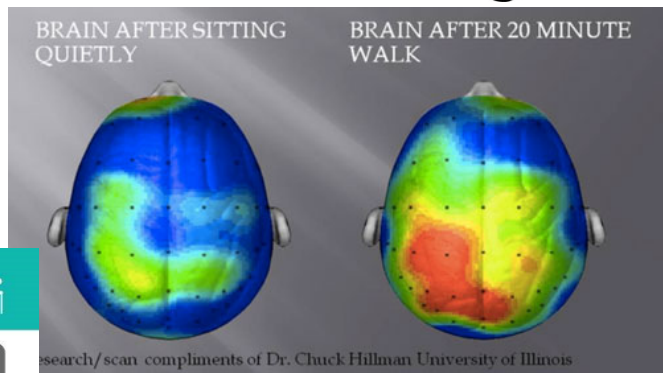
Every year in the WHO European Region, physical inactivity causes an estimated **1 MILLION DEATHS**

WHO recommendations for moderate- to vigorous-intensity physical activity:
150 minutes per week (adults)
60 minutes per day (children)



REGULAR PHYSICAL ACTIVITY THROUGHOUT THE LIFE-COURSE ENABLES PEOPLE TO LIVE BETTER AND LONGER LIVES

www.euro.who.int/physicalactivity
 09/2015
 World Health Organization Europe



research/scan compliments of Dr. Chuck Hillman University of Illinois

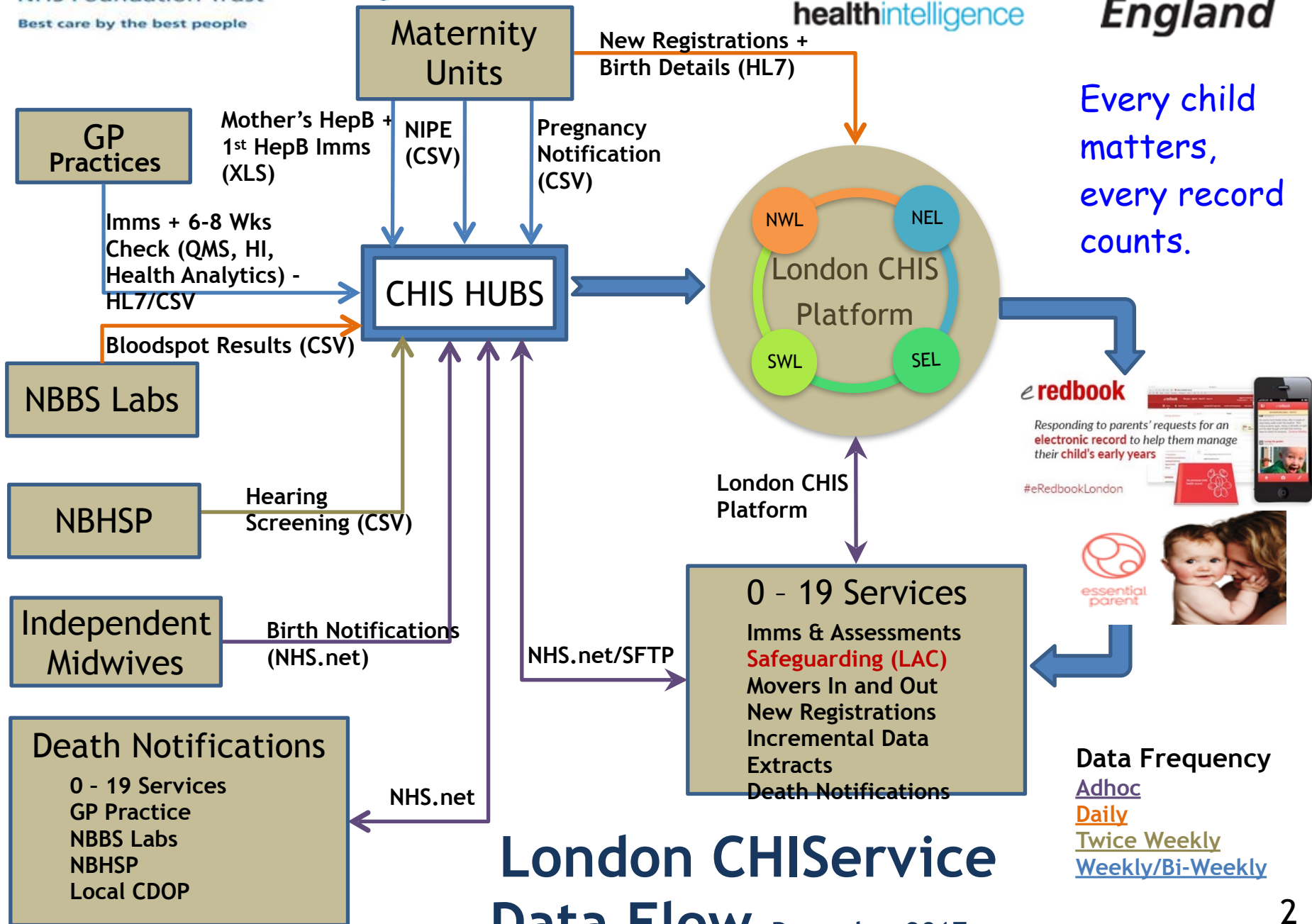
More than half of parents say they struggle for ideas during the summer holidays. Check out our 10 Minute Shake Up for loads of activities kids will love!



Censuswide survey for Disney, Change4Life and the Amateur Swimming Association of 1,008 children aged 5-11 and parents of children aged 0-11 in England, June 2016



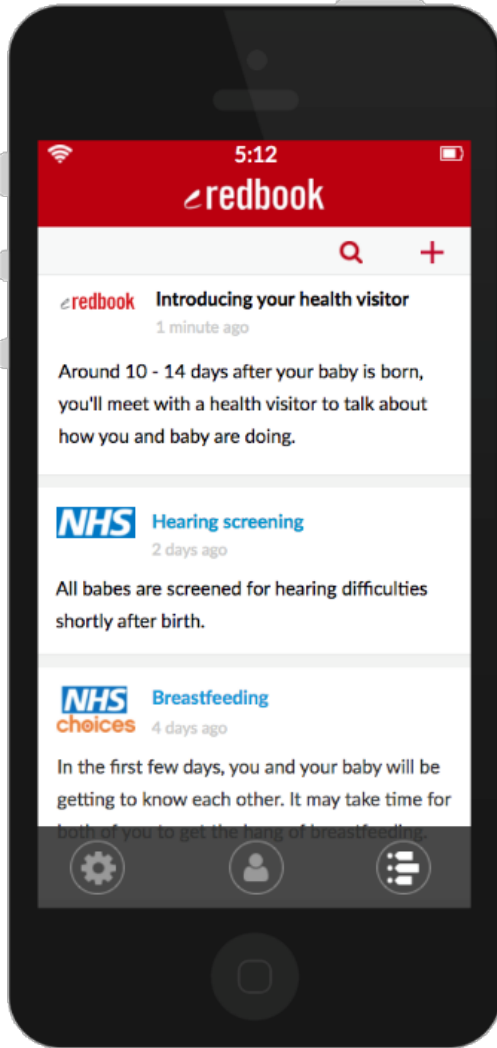
Every child matters, every record counts.



London CHIS Service Data Flow

December 2017

Child Health Digital Strategy in London ~ in partnership with Sitekit and SystemC



eRedbook messaging.

- 33 FHIR Profiles Defined
- 33 Snomed CT Events
- 33 CSV Content Specifications

50%
admin
time
saving

No more
£1.87
letters,
only 0.8p
texts

London Platform regional solution

- 6 FHIR Birth Details, NIPE, Hearing, Bloodspot and Immunisations [Phase 1] automatically flow from a child record to their eRedbook

Local messaging

- 12 Events currently available

Data in
hours,
not
weeks

Citizen ID and practitioner authorisation being designed and tested at scale with other partners



Child Health Digital Strategy in London ~ 2017 and 2018 transformation



Sustaining fabulous partnerships ~

- Parents and parent groups – they need to be able to use free wifi
- Clinical service providers – they need coded data for activity reports
- Clinical system suppliers – they need launches and landing-pages
- Evidenced-based updated content for parents – they need accreditation
- Other regional or local child health digital strategy projects – they need a listening ear and critical friend
- Bidding for DH Capital Funding and using NHS Contractual CQUIN – they need tenacious resilience
- Local child health data champions or laggards – we can learn from either

Forging new exciting collaborations with ~

- OBS compliant app developers, especially parent support tools for asthma, diabetes and other long term conditions – they must link to clinical record
- **Where are the accredited lifestyle choices apps?**

Join us - we need to work shoulder-to-shoulder