Birth Practices in Ile-de-France: a website for future parents


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Outline

Background
Objectives
Methods
Results
Discussion- Conclusion
Background - Worldwide

June 2021:
Quality, women-centred care needed to address high use of caesarean section

“It’s important for all women to be able to talk to healthcare providers and be part of the decision making on their birth, receiving adequate information including the risks and benefits…”

Dr Ana Pilar Betran, Medical Officer at WHO and HRP.

https://gh.bmj.com/content/6/6/e005671
Background - France

2017: Childbirth: the words of women about “obstetrical violences” …(Le Monde)

July 2020: « obstetrical violences » intensification during pandemic ?( @TCVOG)
Background- *Ile de France*

1. **Perinat-ARS-IDF**: perinatal data are returned directly to willing practitioners and are published on a web-site page about obstetrical practices for professional evaluation since 2017. Regional quality action to address « Caesarean delivery practice heterogeneity, appropriateness and efficiency » (ORAHS 2019)

2. **Health literacy*** project from regional health authority

*the degree to which an individual has the capacity to obtain, communicate, process, and understand basic **health** information and services in order to make appropriate **health** decisions.“ cf [https://nnlm.gov/initiatives/topics/health-literacy](https://nnlm.gov/initiatives/topics/health-literacy)
European Union

**IDF**

**Paris region**

- **Metropolitan France**
  - 13 Regions
  - 65 Million inhabitants
  - 686,000 births

- **Paris-Ile de France Region**
  - 12 Million inhabitants (18%)
  - 3 Million women 15-49 y old
  - 168,000 births (24%)
Objectives of our work

Provide available data about childbirth, **easy to read** and **easy to understand**

To « help women **to be part of the decision making** on their birth »

To **help discussion** about childbirth with their perinatal health care provider.
Methods- 1

Working group
Midwife, obstetricians, pediatricians,
Health literacy doctor
Medical information doctors
Patient representative

1/ Select birth practices indicators among those already provided by regional data scientists (SESAN, digital agency).

Data source: routine perinatal information system (hospital discharge summary ICD10 Diagnosis, surgical Procedures)
www.perinat-ars-idf.org

1. Explain each birth practice
2. Check for each explanation with professional societies and with parents
**Methods- 2**

**Working group:**

2/ Select UX designer (sept 2020)

https://www.use.design/

Virtual meetings animation with Miro tool (online whiteboard + brainstorming)

Model Tests with parents
Methods - 3

3/ UX Designer
-> technical specifications for a smartphone website version, and computer version
-> communication package

4/ Ask drawings by illustrator
for some birth practices
(https://www.instagram.com/guenievresuryous)

5/ Data scientists (SESAN)
- > health data extraction and analysis
- > creation of the website:
  R software, packages leaflet + shiny

6/ With Communication team
A- Professional Communication 31/5/21
Webinar toward perinatal practitioners from all maternities,

B- Public Communication 16/6/2021
Press release, social networks, …
Results

Get some statistics about delivery practices in Île-de-France and metropolitan France in 2020.

Registered deliveries in maternity:
- 167,791 deliveries
- 684,947 births

Vaginal delivery:
- 77.1% of vaginal deliveries
- 79.5% of total births

Vaginal delivery with epidural analgesia:
- 82.2% of vaginal deliveries
- 80.2% of total births

Caesarean section:
- 22.9% of total births
- 20.5% of vaginal deliveries
- 1 of 5 deliveries

Deliveries in midwife led birth center:
- 201 deliveries
- 711 births
Display maternities as you need

After geographical proximity, maternity choice will follow your personal (public or private?) and medical situation (type 1, … 3, according to neonatal resources)

Learn

Episiotomy? Primiparae? Breech presentation?
Health professionals sometimes use technical vocabulary.

In the menu Definitions section will clarify medical terms and answer to some of your questions.
Discover birth practices in your maternity

- How many women have **caesarean section** among total number of deliveries?
- How many **episiotomies** for the first baby and next ones?

👉 From interactive maternities map, select your choice and go to the specific informations
## Maternité Louis Mourier (CHU) 3233 accouchements pour l’année 2020

### Voies basses spontanées : 63%
- Si premier enfant : 45.4%
- Si enfant suivant : 73.9%

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<thead>
<tr>
<th>Minimum</th>
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<th>Maximum</th>
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<tbody>
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<td>52.4</td>
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<td>67.9</td>
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- IDF : 61.6% - France : 64%

### Voies basses assistées : 16.2%
(foceptes, ventouses, spatules, manœuvres internes)
- Si premier enfant : 27.9%
- Si enfant suivant : 9%

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<th>Minimum</th>
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<th>Maximum</th>
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<td>18.4</td>
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- IDF : 13.8% - France : 14.3%

### Césariennes : 20.7%
- Si premier enfant : 26.7%
- Si enfant suivant : 17%

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<th>Minimum</th>
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<th>Maximum</th>
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<td>30.6</td>
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- IDF : 24.6% - France : 21.6%

### Episiotomies : 1.8%
(dess accouchements par voie basse spontanée)
- Si premier enfant : 5.2%
- Si enfant suivant : 0.5%

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<th>1.8%</th>
<th>minimum</th>
<th>maximum</th>
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<td>1.5</td>
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<td>8.9</td>
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- IDF : 4.4% - France : 3.9%

### Péridurales : 88.8%
(des accouchements par voie basse)
- Si premier enfant : 95.2%
- Si enfant suivant : 85.2%

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<th>Maximum</th>
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<td>94.8</td>
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- IDF : 86.6% - France : 81.4%

- 6.1% de césariennes programmées.

- 63.3% des césariennes programmées sont réalisées à partir de 8 mois et demi (pour une grossesse unique).

- En cas de grossesse multiple, le taux de césarienne passe à 38%.

- En cas de présentation du siège (pour une grossesse unique), le taux de césarienne passe à 55.8%.

- En cas de cicatrice utérine (grossesse unique en présentation par la tête et naissance à terme), le taux de césarienne passe à 50.3%.
Maternité Louis Mourier (CHU) 3233 accouchements pour l’année 2020

Césariennes : 20.7%

Si premier enfant : 26.7%
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IDF : 24.6% - France : 21.6%
Compare maternities indicators

Which differences about birth practices from one maternity to another?

👍 Select maternities and compare their indicators.
Transparency and full access to the data

Designed for parents first (or future parents), this website informs as well, **health care professionals, journalists** or **patient representatives**…

Find in the menu the **A propos** section, where you will find data source and full download.

The website **won’t be able to inform** about accommodation conditions, hospital stay duration, neither pregnancy follow-up…

**Keep in your mind** that all these data have to be seen in perspective **with your own particular situation**, about which you will be able **to discuss with your practioner** or **with some patient associations**…
Discussion - Conclusion

Controversy on maternity comparisons:

- Some practitioners / patient representatives
- Should we help to interpret « crude data » ?
- How to explain differences between maternities (without giving complete information about their different maternal resources)?

New Website is more attractive (for professionals as well as for parents)

Challenge is to keep on being accurate as much as possible and to be really useful for parents in their discussions with practitioners…

A birth plan is much more than a set of indicators 😊
Questions?

Rendez-vous on

accouchements.sante-idf.fr