


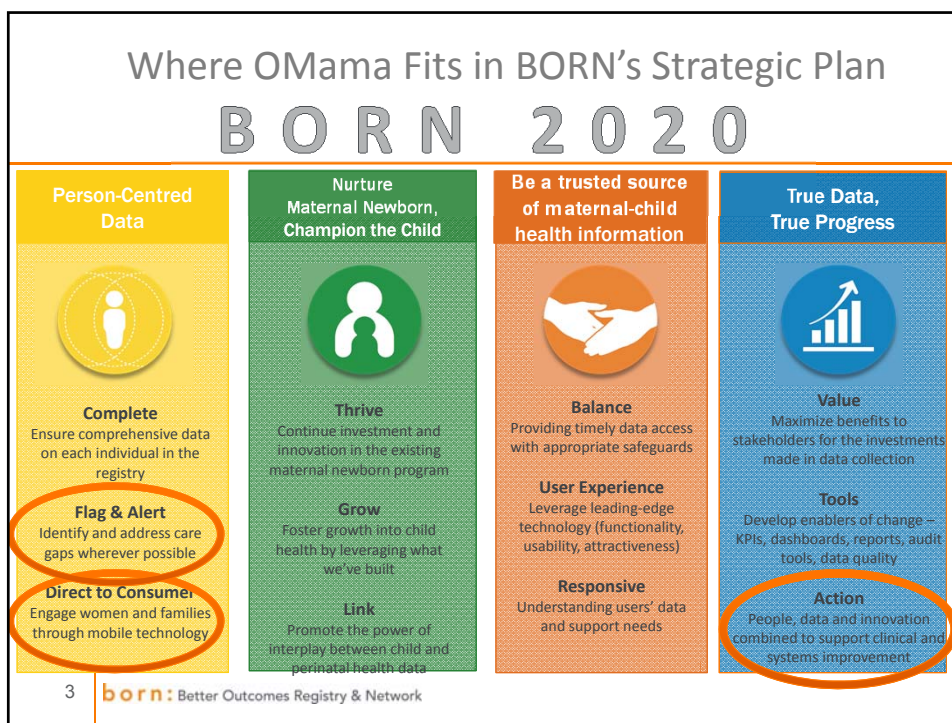
Early health. Lifelong health.  
Début en santé. Longue vie en santé.



**OMama Project**  
**Innovation in Mobile Health for**  
**Maternity Care**February 17, 2016  
Best Start Conference, Toronto

## Agenda

Intro to the OMama Project  
BORN's Mobile Health Strategy and OMama  
eHealth Innovation and OMama  
Keeping Women at the Centre of the Project  
Next Steps



## Advisory Committee

Ann Sprague	Kristi Adamo
Carla Sorbara	Mari Teitelbaum
Claudia Steffler	Marisa Cicero
Debra Boyce	Matthuschka Sheedy
Courtney Green	Sandra Dunn
Jennifer Milburn	Edith Ho
Nicole Robinson	Vinna Vong

## OMama our own words....



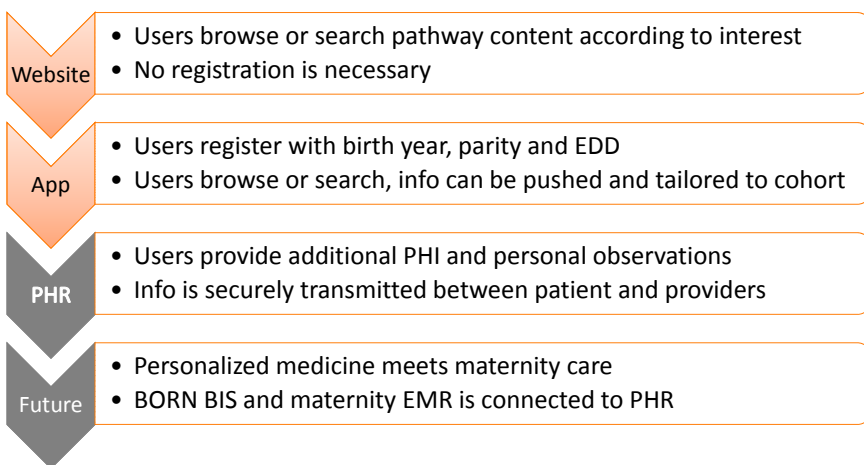
- Listen to Women
- Build a website
- Build an app
- Define a PHR
- Test and Evaluate
- Publish Results

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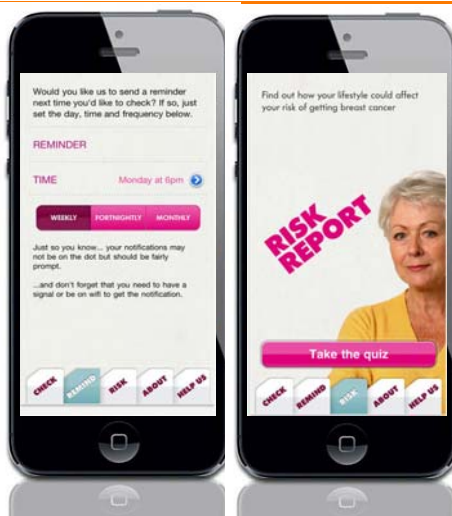
## E-Health Innovation: OMama's plans for **now** and into the future....



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## Some of the apps that informed OMama... iBreastcheck



### iBreastCheck

- Video demonstrating how women can screen for breast cancer
- Run risk reports
- Set reminders to check at a schedule of the users choosing

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## <30 Days – Heart and Stroke



### <30 Days

- Guides users to break bad habits and adopt a healthier lifestyle in 30 days or less.
- Evidence-based and consumer survey derived heart health promotion app

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## Patient Passport



Dr. H. Bliss Murphy Cancer  
Centre – St. John's

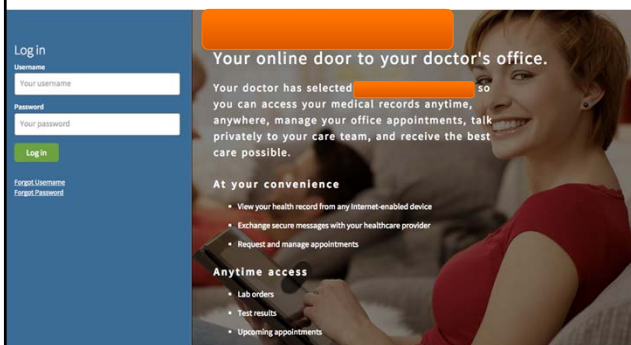
### Patient Passport

- Developed by the Dr. H. Bliss Murphy Cancer Centre
- Helps to
  - Track symptoms
  - Keep a journal
  - Organize medications
  - Find information
  - Keep track of appointments
  - Search for local cancer care providers in Newfoundland and Labrador

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## Secure Patient–Provider Communication Tools



### By Invitation

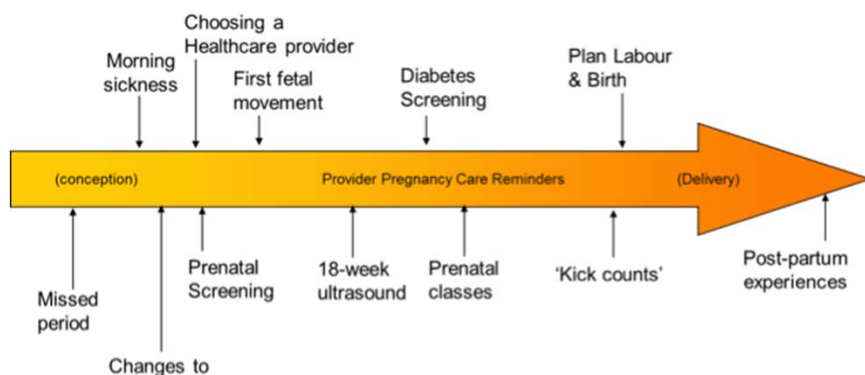
- EHR
- Secure communication with healthcare provider
- Providers can broadcast news and send reminders
- Healthcare providers and patients can share test results, treatment plans, and other information
- Refill prescriptions

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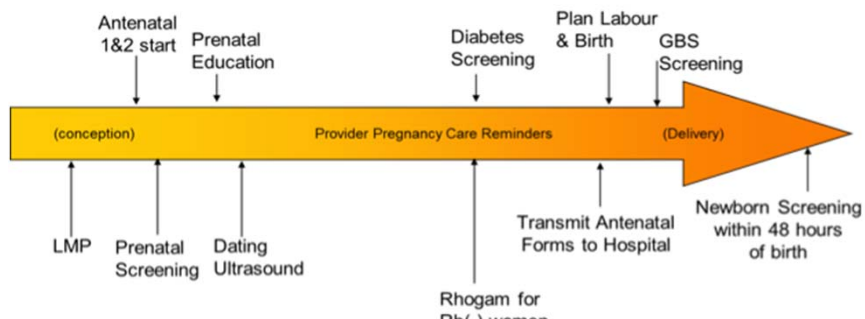
## Mapping content for women (simplified)

## Maternal Pregnancy Pathway

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## Mapping content for providers (simplified)

## Provider Pregnancy Pathway

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## Choosing OMama's Content Priorities Women's Priorities Survey

Women's Priorities Survey at:



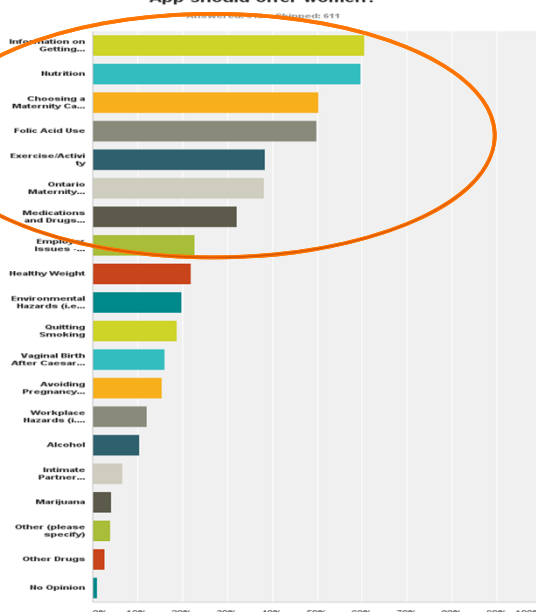
- <http://facebook.com/OMamaProject>
- <http://surveymonkey.com/s/OMama>
- Over 1,100 women and maternity care providers responded

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### Survey Analysis Preconception (example)

Q10 Of the below subject areas related to PRECONCEPTION (the time before pregnancy), what are the 5 most important subjects you think the OMama Website and App should offer women?



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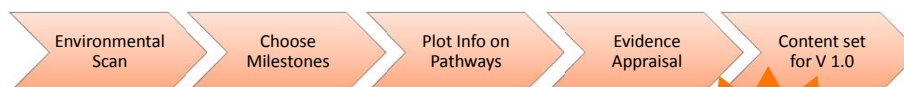
# The OMama 1.0 Site Map

Pre-pregnancy	Early Pregnancy	Mid Pregnancy	Late Pregnancy	Labour & Birth	Postpartum	Newborn
<ul style="list-style-type: none"> <li>Planning for Pregnancy               <ul style="list-style-type: none"> <li>Getting Pregnant</li> <li>Child Spacing</li> </ul> </li> <li>Folic Acid Supplement</li> <li>Medications, Drugs and Complementary Therapies               <ul style="list-style-type: none"> <li>Medications</li> <li>Alcohol Use</li> <li>Tobacco Use</li> <li>Other Drugs</li> <li>Herbs and Homeopathy</li> <li>Acupuncture</li> </ul> </li> <li>Healthy Living               <ul style="list-style-type: none"> <li>Nutrition</li> <li>Exercise and Activity</li> <li>Mental Health</li> <li>Oral Health</li> </ul> </li> <li>Healthy Environment               <ul style="list-style-type: none"> <li>Workplace Hazards</li> <li>Environmental Hazards</li> </ul> </li> <li>Violence and Abuse</li> <li>Vaginal Birth after Caesarean (VBAC)</li> <li>Choosing a Maternity Care Provider</li> <li>Choice of Birthplace               <ul style="list-style-type: none"> <li>Home birth</li> <li>Hospital birth</li> <li>Birth Centre</li> </ul> </li> <li>Immunization</li> <li>Parental Leave and Family Benefits               <ul style="list-style-type: none"> <li>Ontario Maternity Benefits Program</li> <li>Social Programs</li> <li>Family Resources</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Choosing a Maternity Care Provider (<i>Pre-pregnancy</i>)</li> <li>Prenatal Care               <ul style="list-style-type: none"> <li>Prenatal Tests (incl. LUT, HIV)</li> <li>Prenatal Screening and Testing, incl. Genetic Screening, Amnio, U/S, NIPT</li> <li>Ultrasound</li> <li>Dating</li> <li>anatomic</li> <li>sex identification</li> <li>post dates</li> </ul> </li> <li>Pregnancy Options               <ul style="list-style-type: none"> <li>Adoption</li> <li>Miscarriage</li> </ul> </li> <li>Healthy Living (<i>Pre-pregnancy</i>)               <ul style="list-style-type: none"> <li>Nutrition</li> <li>Iron and Vitamins</li> <li>Folic Acid Supplement (<i>Pre-pregnancy</i>)</li> <li>Exercise and Activity (<i>Pre-pregnancy</i>)</li> <li>Healthy Weight</li> <li>Mental Health</li> </ul> </li> <li>Discomforts of Early Pregnancy               <ul style="list-style-type: none"> <li>Nausea and Vomiting</li> <li>Fatigue</li> <li>Cramping</li> </ul> </li> <li>Parental Leave and Family Benefits (<i>Pre-pregnancy</i>)               <ul style="list-style-type: none"> <li>Sex and Pregnancy</li> <li>Violence and Abuse (<i>Pre-pregnancy</i>)</li> </ul> </li> <li>Choice of Birthplace (<i>Pre-pregnancy</i>)</li> </ul>	<ul style="list-style-type: none"> <li>Prenatal Care (<i>Early Pregnancy</i>)</li> <li>Fetal Kick Counting (<i>Mid Pregnancy</i>)</li> <li>Healthy Living               <ul style="list-style-type: none"> <li>Nutrition (<i>Pre-pregnancy</i>)</li> <li>Iron and Vitamins (<i>Pre-pregnancy</i>)</li> <li>Exercise and Activity (<i>Pre-pregnancy</i>)</li> <li>Healthy Weight</li> <li>Pelvic Floor Health</li> <li>Mental Health</li> </ul> </li> <li>Discomforts of Mid Pregnancy               <ul style="list-style-type: none"> <li>Varicose Veins</li> <li>Aches and Pains</li> <li>Nausea and Vomiting</li> <li>Fatigue and Sleep</li> </ul> </li> <li>Complications of Pregnancy               <ul style="list-style-type: none"> <li>Gestational Diabetes</li> <li>Hypertension</li> <li>Protein Labour</li> </ul> </li> <li>Choice of Birthplace (<i>Pre-pregnancy</i>)</li> <li>Immunization</li> <li>Cord Blood Banking</li> </ul>	<ul style="list-style-type: none"> <li>Fetal Kick Counting (<i>Mid Pregnancy</i>)</li> <li>GBS Screening</li> <li>Planning for Labour and Birth               <ul style="list-style-type: none"> <li>Choice of Birthplace (<i>Pre-pregnancy</i>)</li> <li>Making a Birth Plan</li> <li>Hospital Tour</li> <li>Pain Relief in Labour</li> <li>Eating and Drinking</li> <li>Labour Support</li> <li>Pain Relief in Labour</li> <li>Birth Positions</li> <li>Breech Birth</li> <li>Going Past your Due Date</li> <li>Moving into Hospital</li> <li>Waterbirth</li> <li>Cord Clamping</li> <li>Placenta</li> <li>Breastfeeding Prep</li> </ul> </li> <li>Signs of Labour</li> <li>When to call your maternity care provider</li> <li>Induction of Labour</li> <li>Discomforts of Late Pregnancy               <ul style="list-style-type: none"> <li>Aches and Pains</li> <li>Fatigue and Sleep</li> </ul> </li> <li>Complications of Pregnancy (<i>Mid Pregnancy</i>)</li> <li>Newborn Healthcare               <ul style="list-style-type: none"> <li>Newborn Exam</li> <li>Vitamin K Injection</li> <li>Birth Weight</li> <li>Eye Treatment</li> <li>Cord Blood Banking</li> <li>Newborn Screening</li> <li>Hearing Screening</li> <li>Newborn Checkups</li> </ul> </li> <li>Healthy Living               <ul style="list-style-type: none"> <li>Nutrition (<i>Pre-pregnancy</i>)</li> <li>Exercise and Activity (<i>Pre-pregnancy</i>)</li> <li>Healthy Weight</li> <li>Pelvic Floor Health</li> <li>Mental Health (<i>Pre-pregnancy</i>)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Planning for Labour and Birth (<i>Late Pregnancy</i>)</li> <li>Signs of Labour (<i>Late Pregnancy</i>)</li> <li>Early/Late/False Labour</li> <li>When to call your maternity care provider (<i>Late Pregnancy</i>)</li> <li>My Baby at Birth               <ul style="list-style-type: none"> <li>Skin to Skin Contact</li> <li>Breastfeeding</li> </ul> </li> <li>Newborn Healthcare (<i>Late Pregnancy</i>)</li> <li>Newborn Complications               <ul style="list-style-type: none"> <li>The Unexpected (W/hospitalized infant (NICU experience))</li> <li>Infections</li> <li>Dehydration</li> <li>Jaundice</li> <li>Breastfeeding</li> <li>Rebreavement</li> </ul> </li> <li>Variations of Labour and Birth               <ul style="list-style-type: none"> <li>Premature</li> <li>Rupture of Membranes</li> <li>Meconium</li> <li>Induction of Labour</li> <li>Speeding up labour</li> <li>Intermittent and Continuous Fetal Monitoring</li> <li>Vacuum</li> <li>Cesarean Section</li> <li>Breech Birth</li> <li>Epidural</li> <li>Newborn Resuscitation</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Postpartum Recovery               <ul style="list-style-type: none"> <li>Vaginal Discharge/Bleeding</li> <li>Breast Care (engorgement, sore nipples)</li> <li>Wound Care</li> <li>Cesarean Recovery</li> <li>Going home from hospital (including car seats)</li> </ul> </li> <li>Healthy Living               <ul style="list-style-type: none"> <li>Nutrition</li> <li>Healthy Sleeping</li> <li>Mental Health</li> <li>Support</li> <li>Sex postpartum</li> <li>Contraception</li> </ul> </li> <li>Postpartum Complications               <ul style="list-style-type: none"> <li>Infection</li> <li>Haemorrhage</li> <li>Postpartum Depression</li> <li>Haemorrhoids</li> <li>Constipation</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Breastfeeding               <ul style="list-style-type: none"> <li>Breast Milk Storage</li> <li>Alternatives to Breast Milk</li> <li>Weaning</li> </ul> </li> <li>Being a Newborn               <ul style="list-style-type: none"> <li>Breathing</li> <li>Sleeping (baby patterns)</li> <li>Eating</li> <li>Head</li> <li>Urine and Stool</li> <li>Cradle Cap</li> <li>Dry Skin</li> <li>Crying and Colic</li> </ul> </li> <li>Newborn Healthcare (<i>Late Pregnancy</i>)</li> <li>Caring for my New Baby               <ul style="list-style-type: none"> <li>How to Diaper a Baby</li> <li>Cord Care</li> <li>Swaddling and Wrapping Baby</li> <li>Car Seats</li> <li>Bathing</li> <li>Baby Equipment</li> <li>Circumcision</li> <li>Healthy Sleeping (including Mom and Dad)</li> </ul> </li> <li>Immunization</li> <li>Being a New Parent               <ul style="list-style-type: none"> <li>Breastfeeding</li> <li>Mental Health</li> <li>Supports</li> </ul> </li> <li>Birth Registration</li> <li>Parental Leave and Family Benefits (<i>Pre-pregnancy</i>)</li> </ul>

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## Pregnancy Pathway Content Collection: Where we're at...



COMPLETE

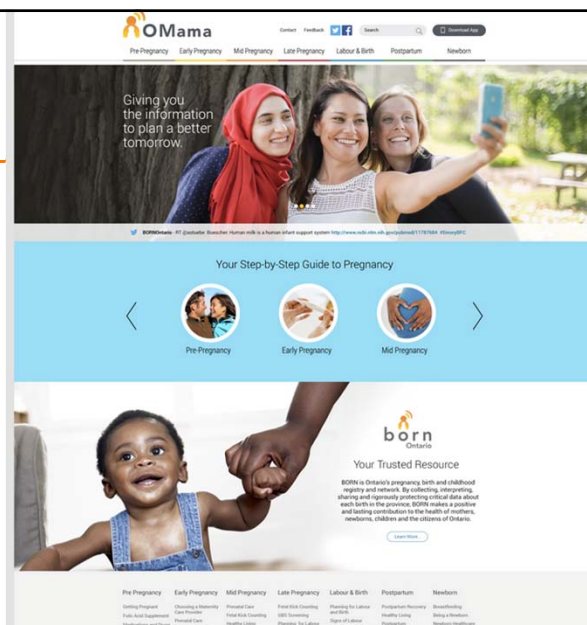
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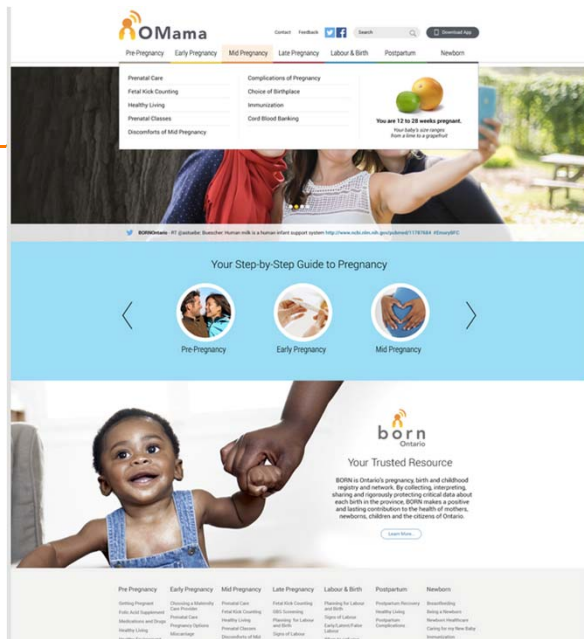
## Ongoing Content Considerations

- Over 150 Milestones
- Variable quality of content, some big gaps
- Literacy levels
- Evidence base
- Appropriateness for Ontario women
- Language, culture, ethnicity
- Ownership
- Currency
- Collaboration needed on upcoming content project

## Home Page



## Drop Down



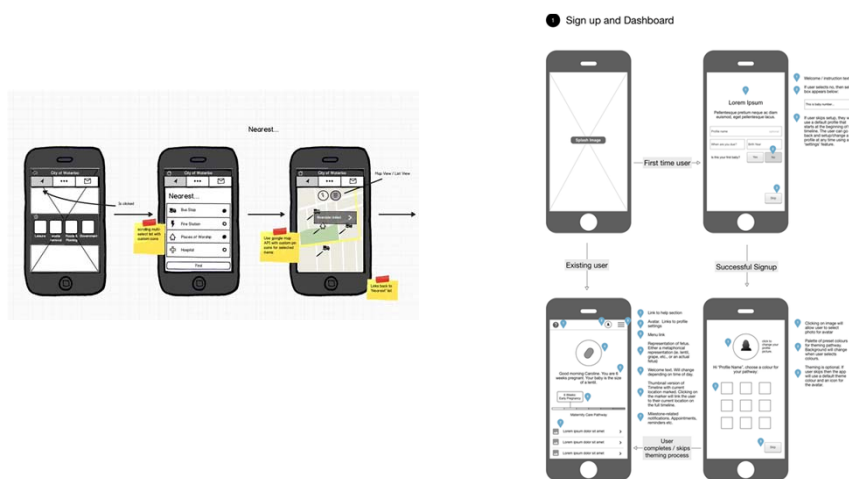
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## Interior Page



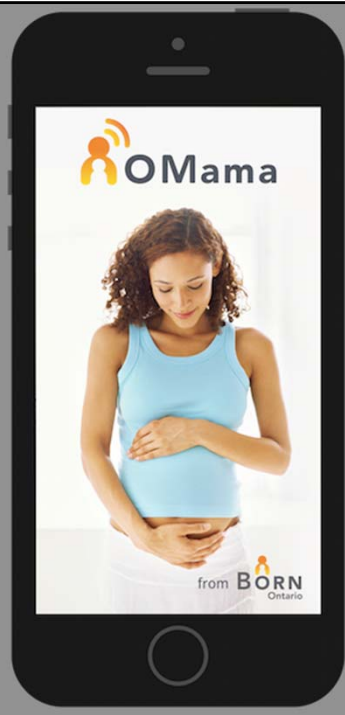
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## Architecture – Wireframe Process



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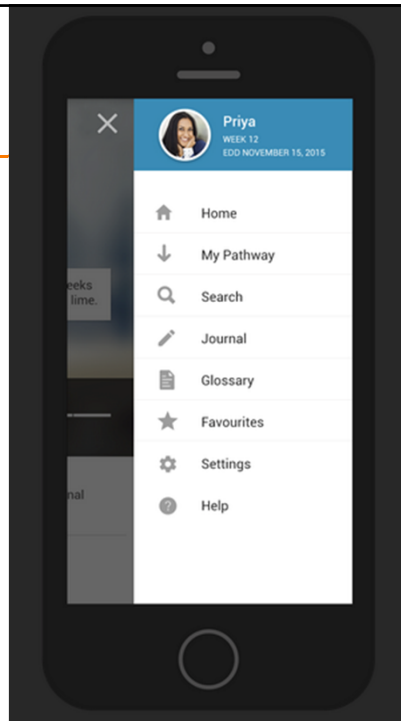
## Splash Page



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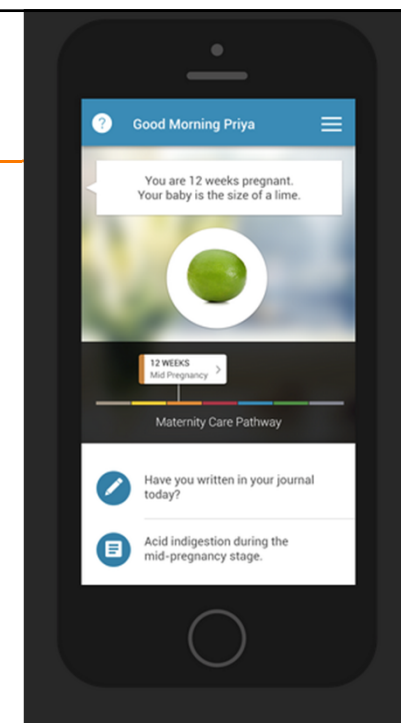
## Main Menu

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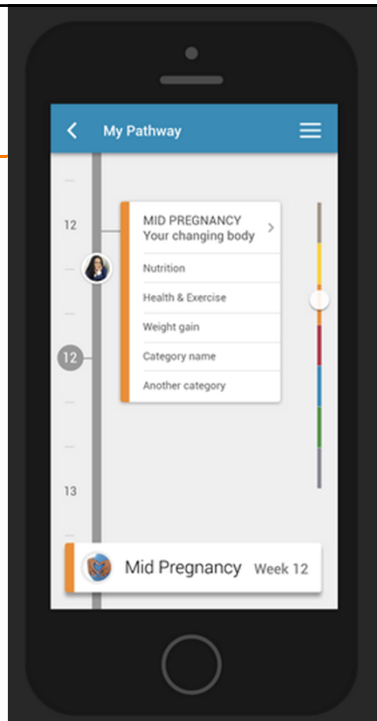
## Home Page

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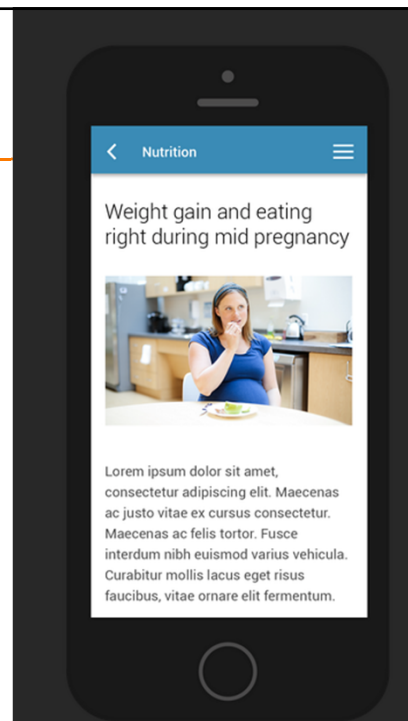
## My Pathway

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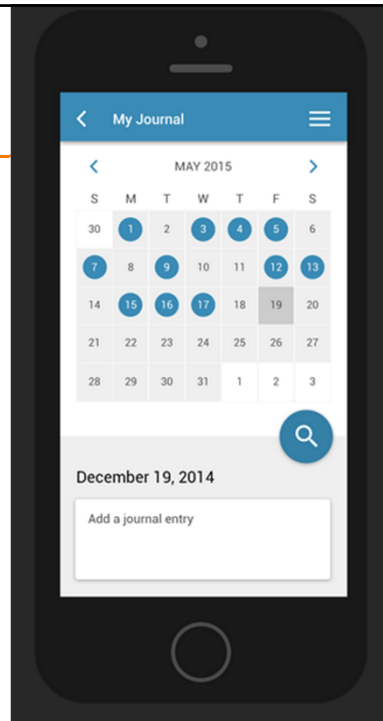
## Content Page

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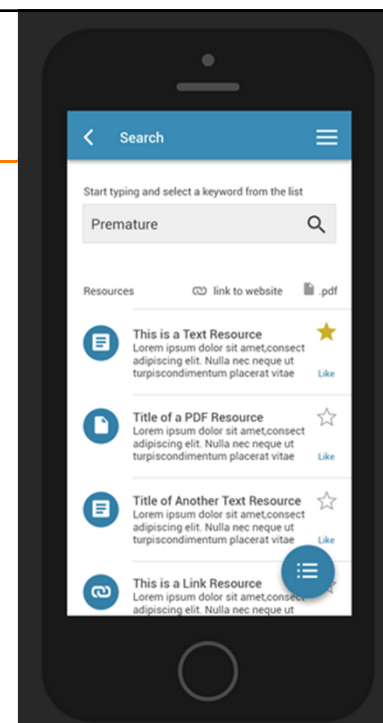
## My Journal

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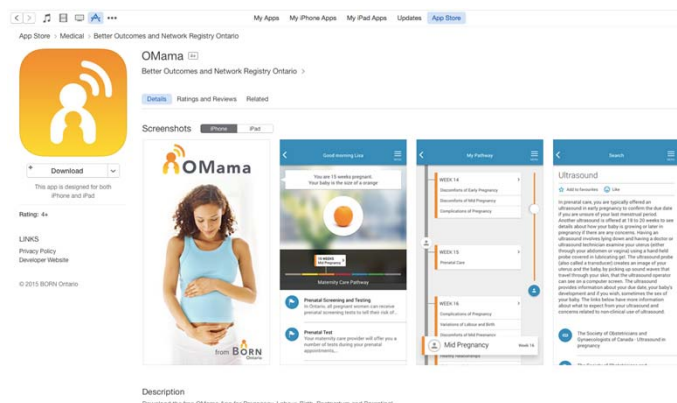
## Search Page

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## Website and App

- Website: [www.omama.com](http://www.omama.com)
- OMama available in Android and IOS App Stores



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## Next Steps

- Working with Stakeholders to Promote OMama since December 2015 Launch
- Developing Recommendations for Personal Health Record
- Evaluating and Reporting in 2016
- Partnering for sustainability/expansion
- Keep Innovating!

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Stay in touch with us!

If you have questions or would like to be involved, please contact:

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Project Director

[omamaproject@gmail.com](mailto:omamaproject@gmail.com)

