

- * What is a midwife? Specialists in normal pregnancy, labor, delivery and the postpartum
 - * Model of Care- women led, family centered and culturally competent care involving informed choice, continuity of care, appropriate use of technology and option of hospital or home birth for obstetrically low risk pregnancies
 - * Funding- Fully covered by MSP



Demographics:

- * 181 practicing midwives registered in BC
- less than 5 aboriginal self-identifying midwives registered in BC
- one University based Education programme through UBC

- * Good outcomes reflecting safe and sustainable practice:
- * Registered Midwives currently deliver 14 per cent of the babies born in BC- more than 5500 newborns!
- Increasing midwife delivered births to 35 per cent by 2020/21 will significantly expand rural maternity care and improve health outcomes



* The facts:

* Significant cost savings to the health care system by increasing home births (19.9 million by 2020/21), decreasing hospital stays (88.5 million by 2020/21) and decreasing caesarean section rates (9.9 million by 2020/21)

* Registered Midwife: 18.4 per cent versus

Physician: 31 per cent caesarean section rate

Midwives Association of British Columbia – Improving Maternity Care in Rural British Columbia.

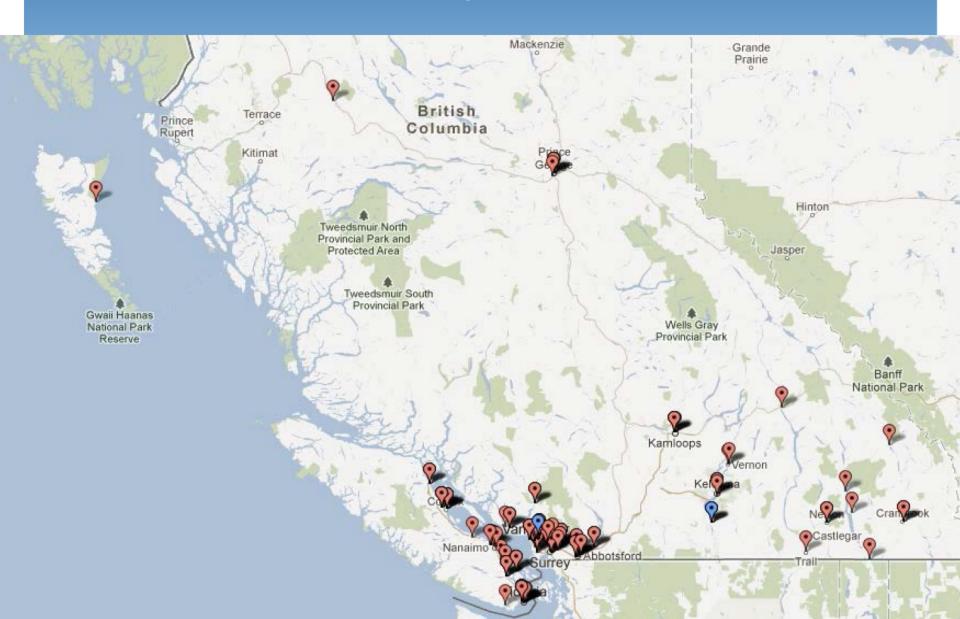
December 23, 2011

Good outcomes reflecting safe and sustainable practice:

- * Increase in VBAC (93.3% attempted with 82.1% success- RM) vs. (41.6% attempted with 80% success- physician)
- Decreased use of narcotic analgesia (12.2 vs. 31.3%, p<0.001)
- Decreased use of Electronic Fetal Monitoring (51.4 vs. 79.5%, p<0.001)
- * Infants less likely to receive drugs for resuscitation at birth (0.4 vs. 2.5%, p= 0.02)

Jansen, P, Ryan E, Etches, D, Klein M, Reime B. 'Outcomes of Planned Hospital Birth Attended by Midwives Compared with Physicians in British Columbia. Birth 34:2, June 2007.

Midwifery Practices



Residents who travel to access care (2009)

Service Level	Definition of Service Level	# of Catchment Areas	# of Births
240+	Greater than 240 minutes (4 Hours) from maternity services	10	124
121-240	121-240 minutes (2-4 Hours) from maternity services	10	122
61-120	61-120 minutes (1-2 Hours) from maternity services	2 2	385
Primary	No local C-section availability (Mat Care Via Family Physician)	11	625
GP Surgery	C-section provided by GP surgeons only	13	1,335
Mixed Model	C-section provided by GP surgeon or Specialist	7	1,492
General Surgeon	C-section provided by General Surgeon	2	594
OB/GYN	C-section provided by Obstetrician	16	8,318
Total		91	12,995

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The Importance of Local Birth

- Evidence suggests impact of travel is more acutely felt by First Nations communities
 - * Historical place of birth in the community
 - Strong kinship ties
 - Younger average age for first birth
- Significant impact of evacuation
 - Significant psycho-social and physiological stress
 - Loss of competency felt by older women who acted as midwives
 - * Health effects on women include loneliness, worry, anxiety, loss of appetite, increased smoking behavior [Jennifer Stonier]
 - * Health effects on family include increased rates of illness, school problems for children left behind, loss of understanding of the birthing process for men [Jennifer Stonier]
- * Importance of cultural safety: "Care that strives to honour, support and uplift a patient's culture and beliefs to improve quality of care and health outcomes."

Maternal – Newborn outcomes

Increased Distance to Care is associated with:*

- * Increased rate of perinatal death (240+; p < 0.001)</p>
- Trend towards increased premature deliveries
- * Increase NICU2 admissions (60 120; p < 0.01)
- * Increased NICU3 admission (60-120; p < 0.01)</p>
- * Increased rate of inductions (120-240; p < 0.01)</p>
- * Increased rate of 'logistics' as reason for induction (120-240; p = < 0.001)
- Increased rates of birth outside the hospital (60-120; p < 0.001)

*Grzybowski, S., K. Stoll and J. Kornelsen. "Distance matters: a population based study examining access to maternity services for rural women." BMC Health Services Research 2011, 11:147

Stress in Pregnancy

- * The Rural Pregnancy Experience Scale (RPES) is a reliable and valid measure of the stress rural parturient women experience during their pregnancy.*
- * Women without local access to obstetric services were 7 times more likely to experience moderate/high stress.**
- *Kornelsen J, Stoll K, Grzybowski S. "Development and psychometric testing of the Rural Pregnancy Stress Scale (RPSS)." Journal of Nursing Measurement.
- **Kornelsen J, Stoll K, Grzybowski S. (2011) "Stress and anxiety with lack of access to maternity services for rural parturient women." Australian Journal of Rural Health, 19(1): 9-14.

Moving Forward

- MCP2 Final Report, June 2006 recommended that Collaborative maternal / newborn care sites to test alternative funding mechanisms
- Model exists with physicians in isolated rural communities
- Alternative payment for responsibilities including:
 - * Community sexual health (sexual education in schools, STD testing, etc.)
 - Well-woman gynaecological care
 - Well infant/baby care
 - Breastfeeding support
 - Community outreach
- Model exists with physicians in isolated rural communities



Thank-you!



On behalf of the Midwives Association of British Columbia, the Midwives Association Aboriginal Committee, and the Center for Rural Health Research.

