

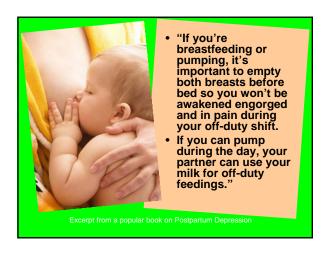


- "Even for moms with fresh buns out of the oven, sleeping is not a luxury—it's a medical necessity." "Humans need 8.4 hours of uninterrupted sleep per night in order
- to function at their best (the key word being uninterrupted)."



- "Sleep in a separate area away from the baby and the adult on duty
  - Use earplugs and a white noise machine...if necessary. The goal is to make sure that you aren't hearing the baby or other noises so you can achieve uninterrupted sleep"







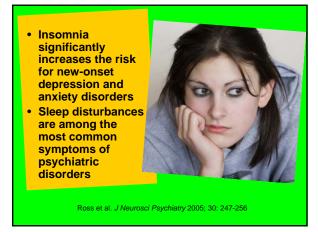












- General population study in Japan (N=24,686)
- Sleep duration <6 hours or >8 had highest rates of depression
- Sleep duration 6-8 hours had lowest rates



Kaneita et al. J Clin Psychiatry 2006; 67: 196-203

- German population study (N=4181) adults 18-65 years
- 35.2% report current sleep problems
- Sleep problems associated with one or more physical problems and one or more mental disorders
- Sleep problems associated with more morbidity



Stein et al. *Psychosom Med* 2008; 70: 913-919



- Study of indigenous tribes in NW British Columbia (N=430)
- Sleep problems common
  - 17% insomnia
  - 18% restless leg syndrome (RLS)
  - 8% apnea
- Each independently related to moderate to severe depression

Froese et al. J Clin Sleep Med 2008; 15: 356-361

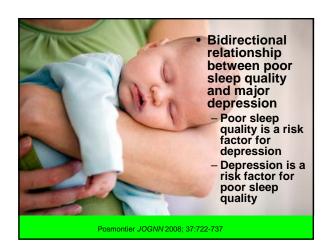


- Prospective study of 112 mothers
   Highest rates of depression at 3 months for mothers who
- Slept <4 hours at night and
- Napped <60 min during the day

Goyal et al. Arch Women's Ment Health 2009; 12: 229-237





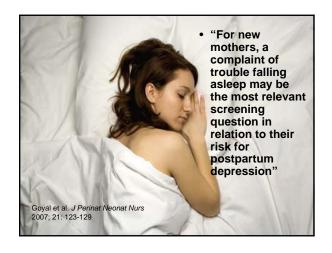


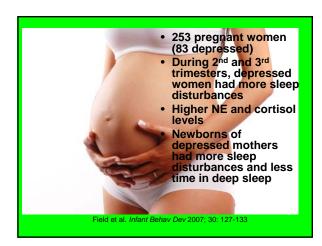






















- Study of 33 mothers at 4 weeks postpartum
  - Data were collected via sleep Q'aires for 5 days
- **Breastfed infants slept** less than bottle-fed
- **Breastfeeding mothers** who bedshared got the most sleep in a 24-hour
- Lowest amount of sleep for breastfeeding, nonbedsharing mothers

- Study of 133 new mothers & fathers (3 mos postpartum) Questionnaire and actigraphy
- 67% EBF, 23% mixed, 10% formula
- **EBF** mothers slept 40 minutes longer than mixed feeding mothers
- Mothers who gave BM slept 47 min longer than mothers who gave formula at night
- Fathers who gave BM slept 38 min more than fathers who gave formula at night



Doan et al. J Perinat Neonat Nurs 2007; 21: 200-206

- Online survey of 6,410 mothers with infants aged 0-12 months (Mean age=6.96 months)
- From 59 countries

  - U.S. (N=4,789)
     European Union/Eastern
    Europe (N=545),
     Canada (N=416)
     Australia/New Zealand

  - Middle East (N=56)
  - Central and South America (N=32),
  - Asia (N=30)
  - Africa (N=13)



