

HUNTER NEW ENGLAND NSW®HEALTH

Our vision: Healthier communities, Excellence in healthcare

Our values: Teamwork, Honesty, Respect, Ethics, Excellence, Caring, Commitment, Courage

Engagement & Gestational Age

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The Multi-disciplinary Treatment Team

- John Hunter Hospital
 - 500+ bed teaching/referral hospital
- Antenatal high risk team
 - Home-visiting midwives
 - Obstetricians, Paediatrician
 - Social work/child protection
 - Addiction physician (0.2 FTE)
 - Drug and alcohol nurse practitioner (1FTE, 0.4 CNC)
- ~25-35 concurrent cases at any one time
 - ~50-60 deliveries per year
 - Support provided to 6 local hospitals



Sample studied

- To understand engagement, locally
- Opiate dependent pregnant women
 - File audit
 - n = 49
 - Self report/referral over a 12 month period
 - 1.3% of all deliveries
- Heroin & nicotine dependent
- Amphetamine abuse common
- Treatment
 - High dose methadone/buprenorphine



Definitions - Engagement



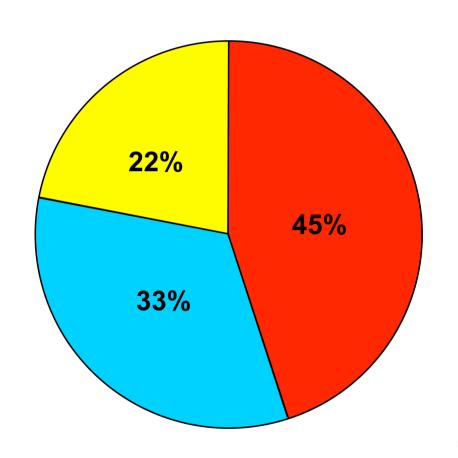
 Defined as attending appointments with those team members who were actively offering treatment to this individual.

- EARLY = 20/40 or earlier.
- LATE = >20 WEEKS
- No engagement.



Engagement in Treatment.



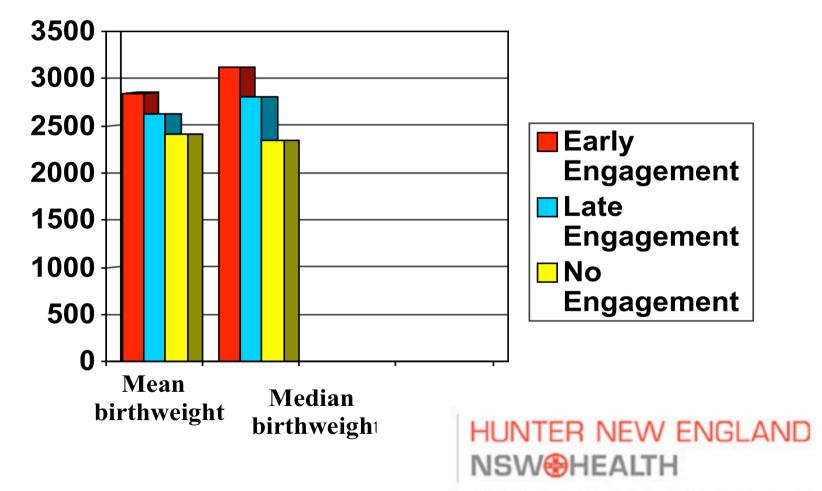


■ Early Engagement
■ Late Engagement
■ No Engagment



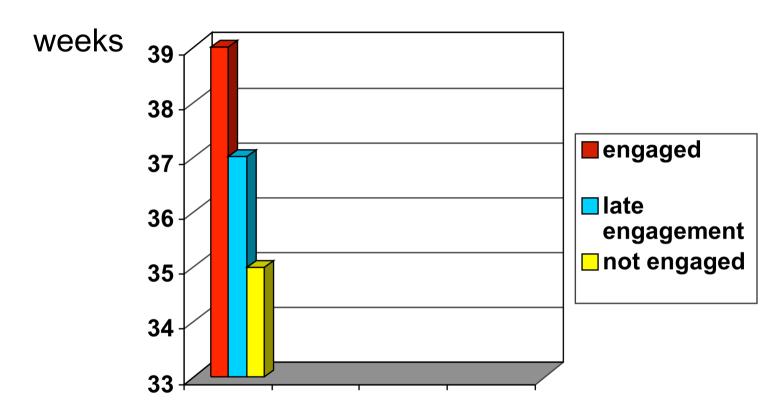
Neonatal birth-weights





Median Gestational Age at Delivery





Engaged vs. no engagement

p = 0.036 Mann - Whitney Test.



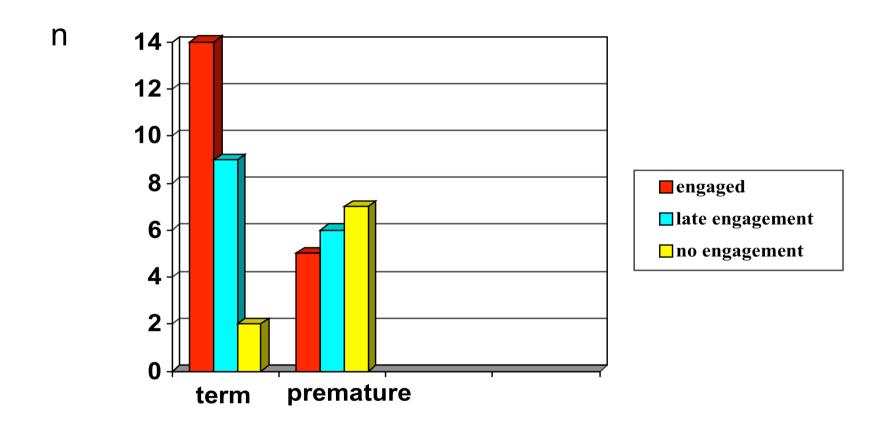
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Prematurity and engagement

	Engaged	Late	No
		engagement	engagement
premature	5	6	7
term	14	9	2



Prematurity and engagement II





Conclusion



- Early engagement c.f. no engagement and risk of prematurity
 - Significant (p = 0.017, Fisher exact test)
 - Odds ratio 0.1 (CI 95% 0.02-0.67)
 - Of this sample, with no maternal engagement in ANC compared to early engagement, neonates are more likely to be born premature
- Consistent with other studies
- Role of antenatal care?
 - Hoddnett 2006

