Social Circumstances and Smoke Free Homes



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Why is smoking an issue?

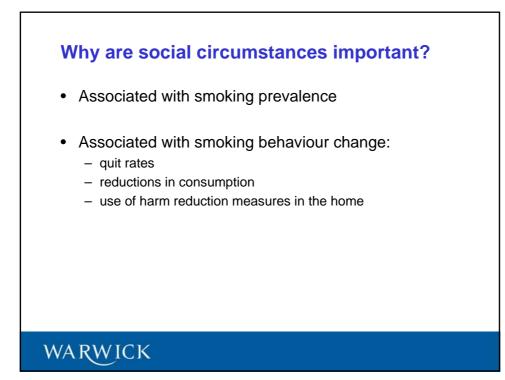
Antenatally

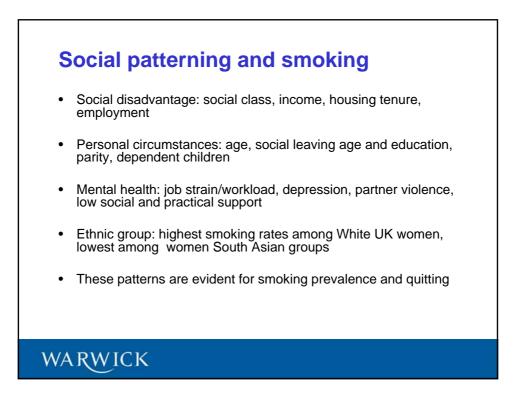
- Approximately 20% of infants are born to mothers who smoke at time of their birth (DoH),
- Maternal smoking associated with increased risk of low birth weight, sudden infant death syndrome, pre-term labour, perinatal death etc.
- Partner's tobacco consumption linked to reduced birth weight, regardless of maternal smoking status (Martinaez et al 1994; Eskenazi et al, 1995; Dejmek et al, 2002)

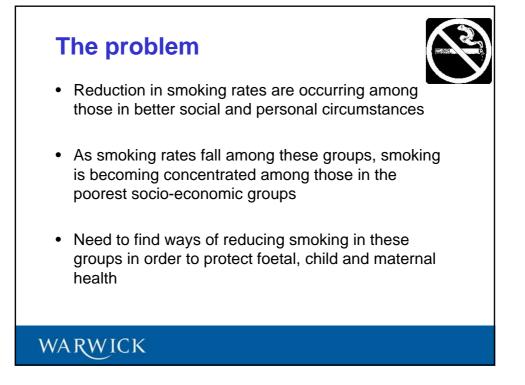
Postnatally

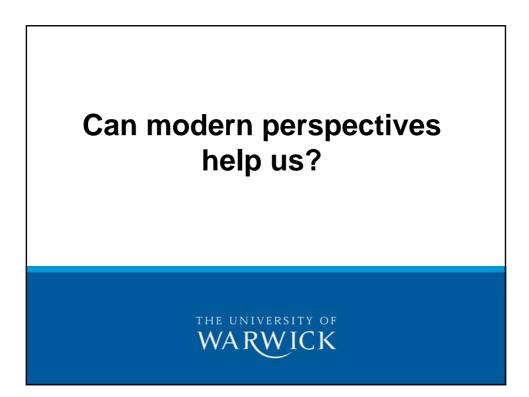
- Passive inhalation of environmental tobacco smoke (ETS) is associated with an increase risk of:
 - Low birth weight, asthma, other respiratory conditions, otitis media and conductive deafness, sudden infant death syndrome
 - Mothers' smoking shown to be most harmful but fathers' smoking also linked with adverse health outcomes
- Although evidence of improvements in other risk behaviours for SIDS such as sleeping position, use of bed coverings and attitudes to heating, smoking behaviours appear to have been less influenced.
- Children's exposure to ETS has decreased since late 1980s but little evidence of reduced consumption by parents in presence of children (Jarvis et al, 2000)

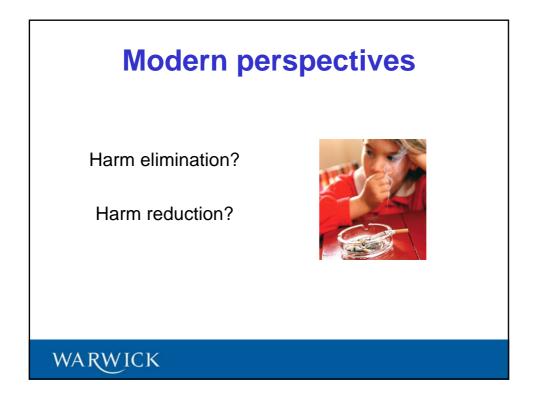
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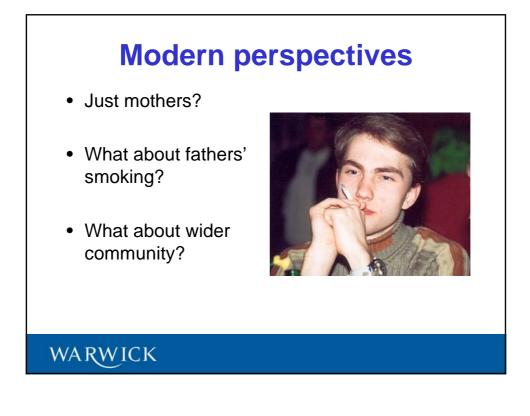


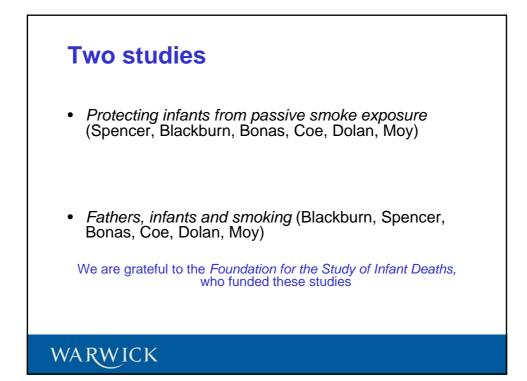


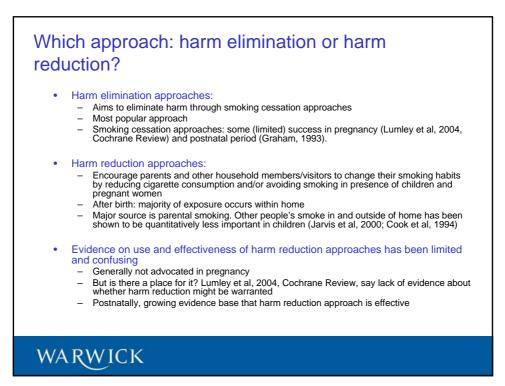


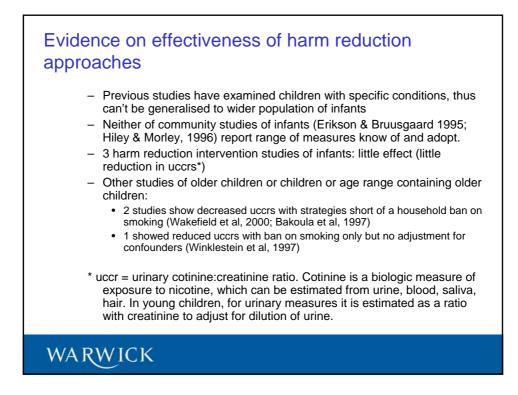


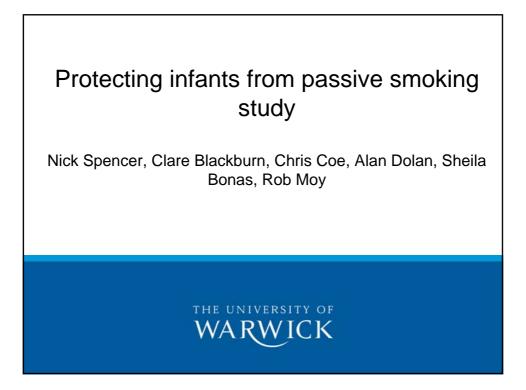












Protecting infants from passive smoking study

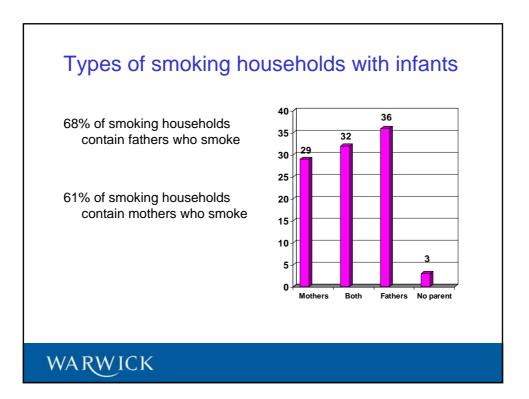
Aims

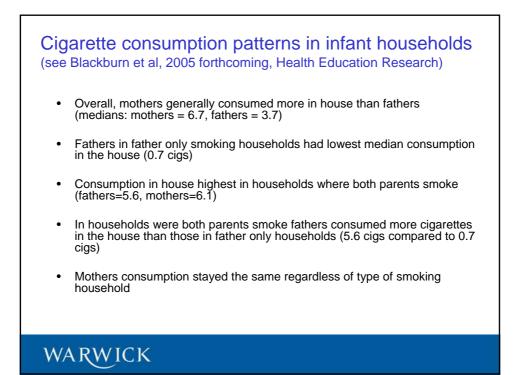
- To examine patterns of smoking in infant households
- To measure infants' exposure to household tobacco smoke
- To explore parental knowledge and use of harm reduction measures
- To examine barriers to the use of harm reduction measures
- To test the hypothesis that the use of harm reduction measures reduces infant UCCRs

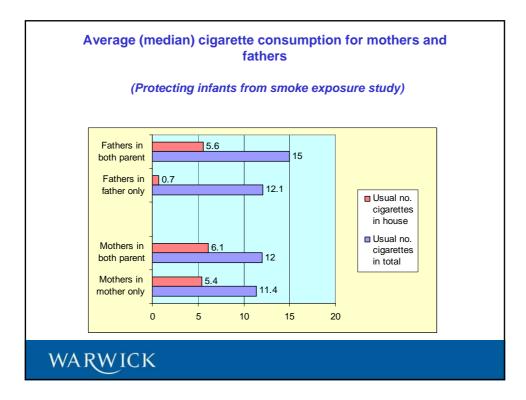
Design and methods

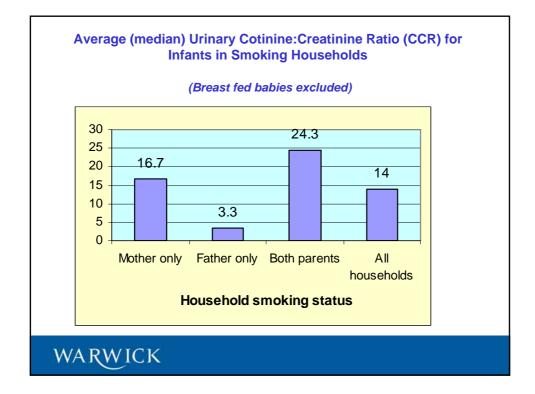
- Cross-sectional survey 454 households (314 smoking; 140 nonsmoking)
- Main carers of infants recruited by family health visitor, interviewed when infant 8-12 weeks old
- Structured questionnaire for main carer, saliva from main carer and urine from infant for saliva estimation
- Data analysis: frequencies, cross-tabulations and linear regression analyses

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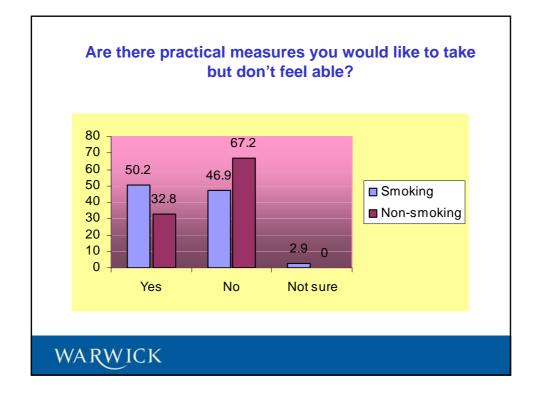


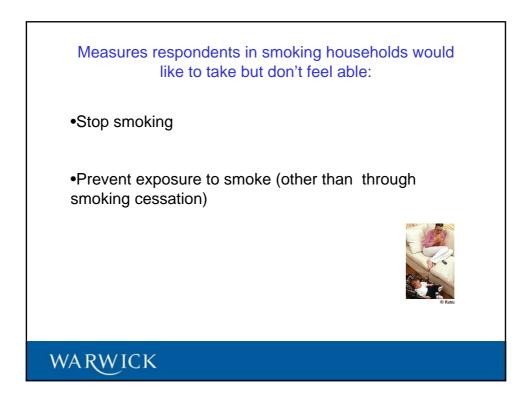


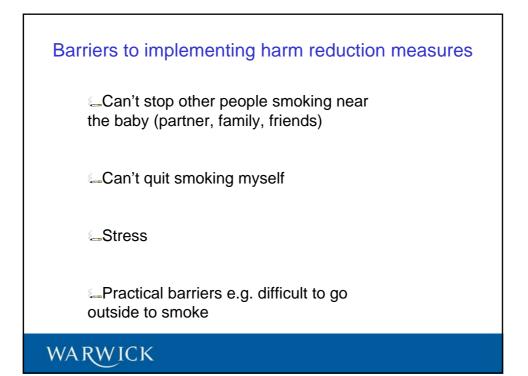


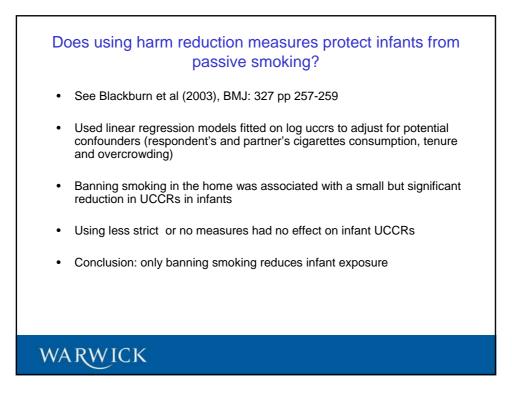


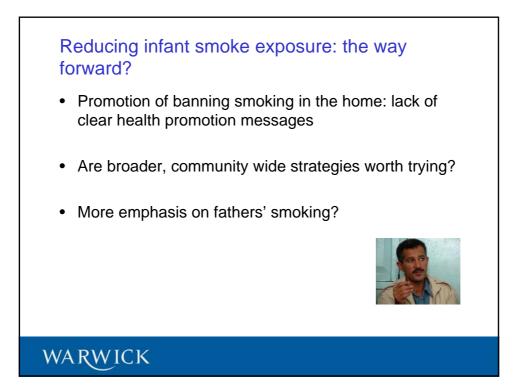
	%	
Beliefs about tobacco smoke		
Exposure effects children's health:		
A great deal/quite a lot	85	
A little/not at all	14	
Are there practical things people can do to protect infant smoke?	s from	
Yes	89	
No/don't know	10	
Able to recall one or more harm reduction measures	90	
No. of measures used		
None	12	
1	22	
2	12	
3 or more	53	
Severity of measures used		
Strict (banning smoking in house)	18	
Less strict	69	
None or not aware of any	12	

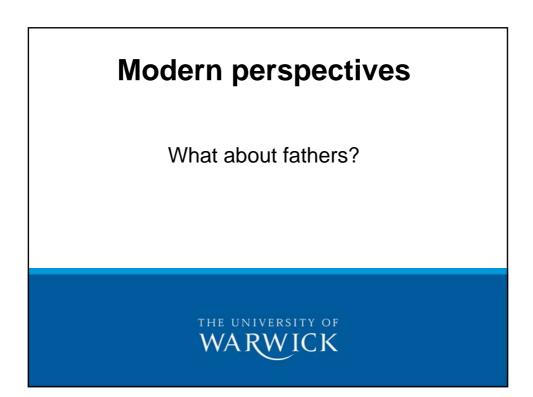


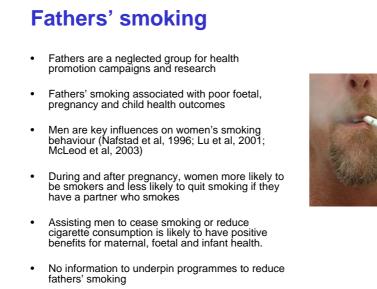






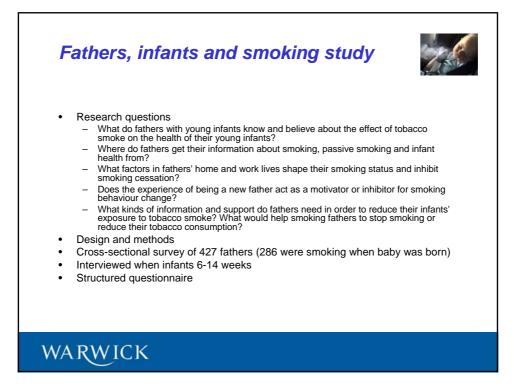


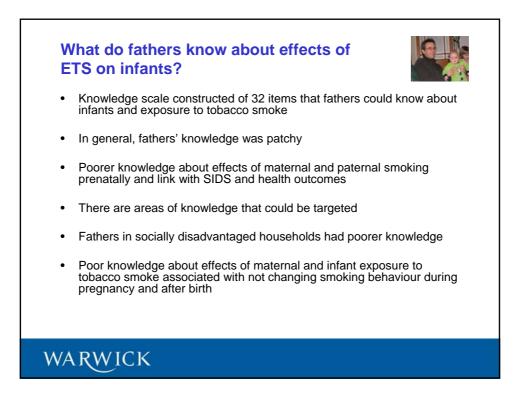




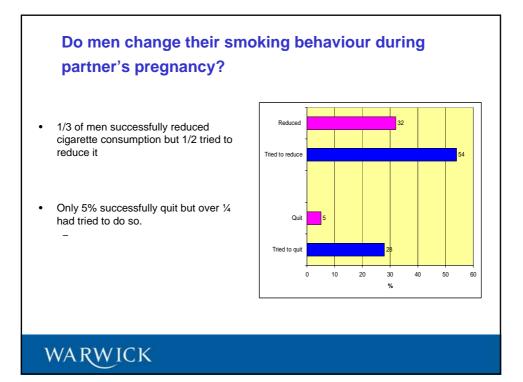


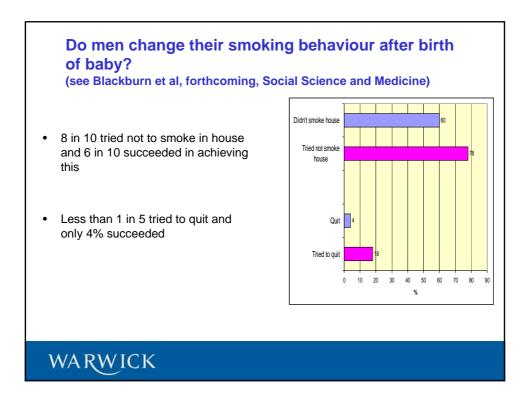






Fathers and information on smoking		
During partner's pregnancy:		
Asked about smoking status?	30%	
Got or been given information about stopping smoking?	20%	
After birth:		
Asked about smoking status?	17%	
Got or been given information about stopping smoking?	9%	
Views on smoking		
Being a father has changed my views about smoking	69%	
'I realise the risks a bit more. If I die young it will affect the thing you don't stop.'	kids. It's a funny	
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Conclusions

- Need clear messages on 'what works' i.e. banning smoking in home
- Need to recognise that focusing only on expectant and new mothers may have limitations
- Harm reduction approach has a place postnatally but lack of evidence base for use prenatal.
- Broader approaches including wider community may be beneficial
- Tackling fathers' smoking is key to reducing mothers' smoking and reducing foetal and infant exposure to tobacco smoke
- Important to ask expectant and new fathers about their smoking status and give them information about quitting and harmful effects for partner and baby of ETS exposure
- More research needed to develop interventions for fathers



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