

Message

Every prescription involves:

- Science
- Art
- Global Partnership

How can we make this happen?







What is the problem?

What can go wrong with a prescription?







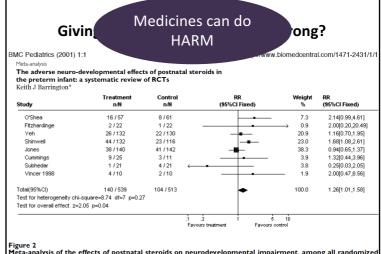
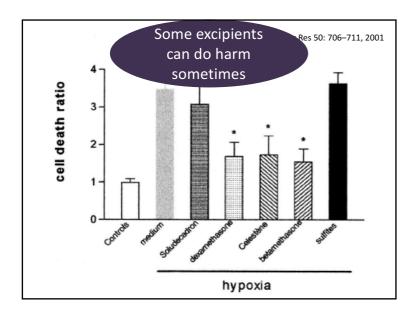
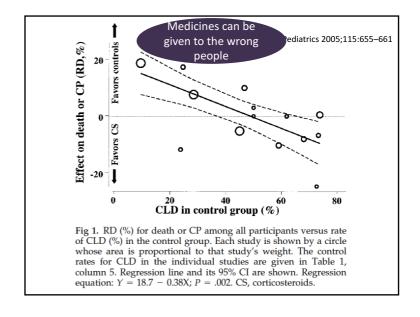
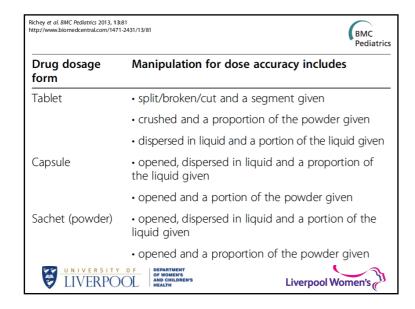


Figure 2

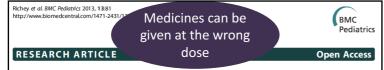
Meta-analysis of the effects of postnatal steroids on neurodevelopmental impairment, among all randomized infants. Studies are displayed in order of the degree of known contamination of the randomization, Fitzhardinge and O'Shea known to have no contamination, Yeh, Shinwell, and Jones with progressively increasing degrees of contamination, and Cum-









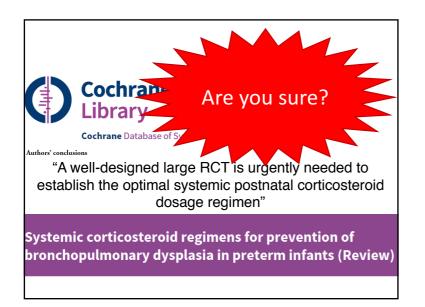


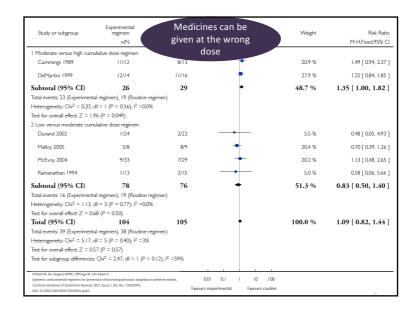
Manipulation of drugs to achieve the required dose is intrinsic to paediatric practice but is not supported by guidelines or evidence

Conclusion: Manipulations to achieve the required dose occur throughout paediatric in-patient settings. The impact of manipulations on the efficacy of the drugs, the accuracy of the dose and any adverse effects on patients is not known. There is a need to develop evidence-based guidance for manipulations of medicines in children.







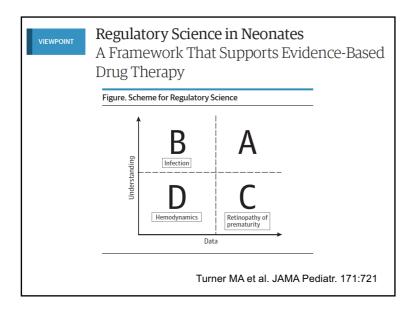


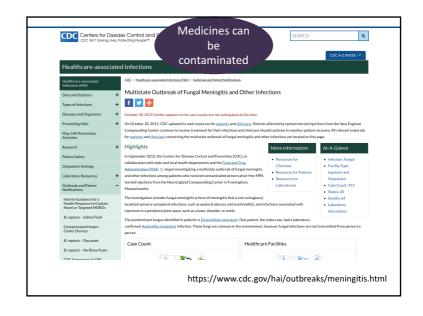


CONCLUSION:

This meta-analysis demonstrates prophylactic azithromycin therapy was associated with statistically significant reduction in BPD and the composite outcome of BPD/death in preterm infants. However, given the limited information on pharmacokinetics and potential harmful effects, further studies should be done before routine use of azithromycin in the neonatal population.

Neonatology 2014;106:337-347





Prescriptions need information

- Baby, child, young person
- Condition
- Formulation
 - Made well
 - Appropriate
- Dose
- When does the medicine work?
- When does the medicine do harm?





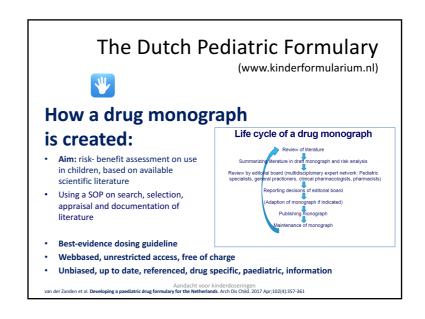




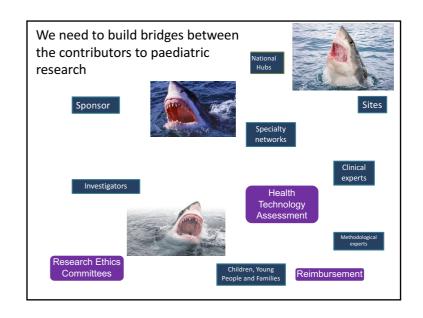


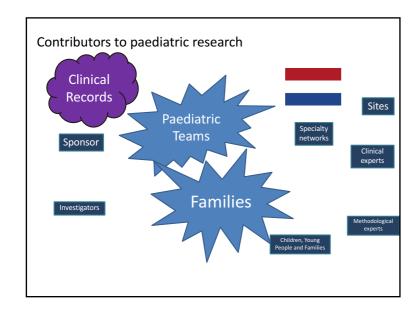


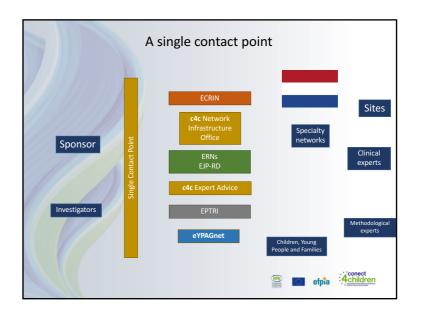
Where can we find the information? Where can we find the information?

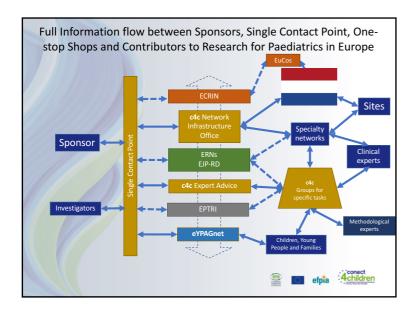


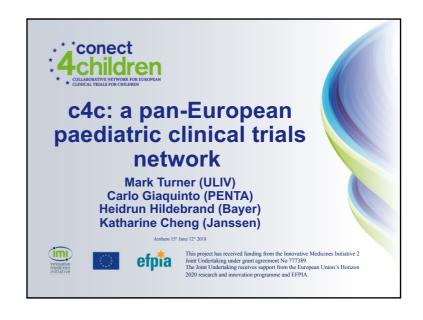
What information do we need to evaluate medicines?		
Step in medicines development	Data	Source
What do children need?	Diagnostic codes	Clinical teams
How many sick children are there?	Codes and text	Clinical teams
Where are the children?	Codes and text and discussions	Clinical teams
Research		
Who has side effects?	Codes and text and reports	Clinical teams
How many people	Prescribing data	Clinical teams



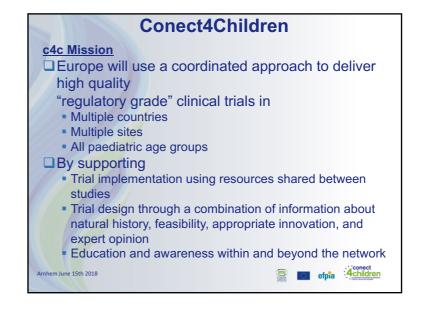




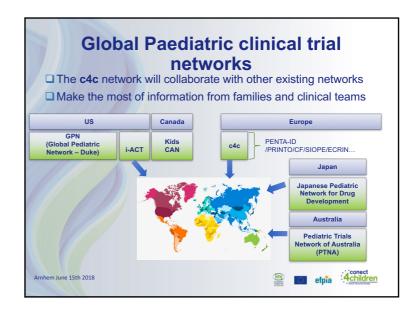


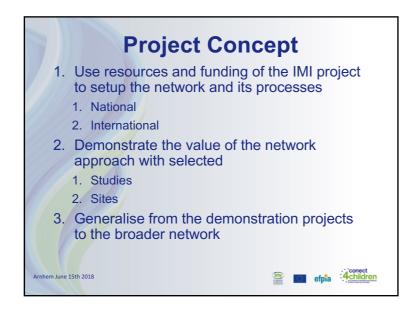


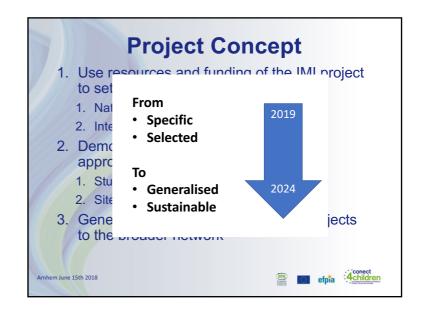


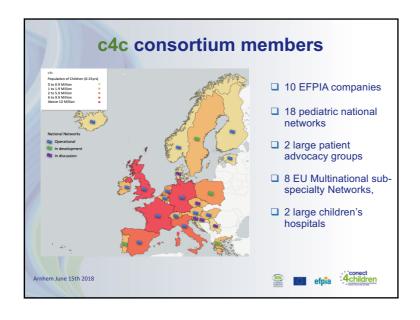




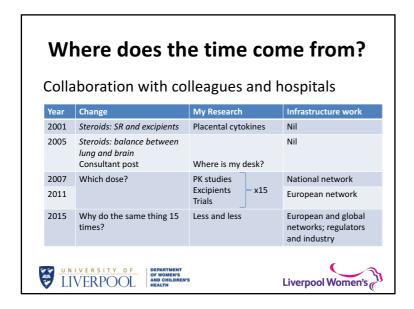












The secret of happiness:
Find something more
important than you are
and
dedicate your life to it.

Daniel C. Dennett





