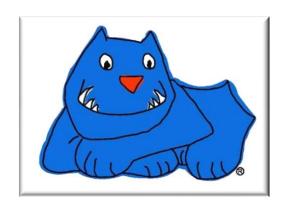
The Blue Dog: The development of a dog bite prevention programme



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WORLD SAFETY CONFERENCE - London 2010 Wednesday Sept 22nd - session C5 - Henry Moore Room

The pet dog as a special friend, a playmate...



Love, companionship and acceptance





-TRAUMA - DOG BITES



-Schalamon 2006, Steele et al 2007, Hon et al 2007

-1.064.000 Dogs

- –Average
- -11 dogs /100 persons

- –Lowest income
- <u>-19 dogs / 100 persons</u>



-FOD Economie, algemene directie statistiek en economische informatie Persbericht 31 juli 2007 -(cijfers 2004)

- 33,6% of families
- -with children own a dog

- -Kahn et al,
- -Journal of Pediatrics, 2004



–Evidence of **positive role** of pet dog–in child development





 Children who grew up with a pet dog show more empathy towards peers, friends and family members, when compared to children who grew up without a dog

-7

Need to devise safe methods of living with a dog to retain benefits & yet reduce risks



–In Belgium, each year 1 person in 100 is victim of a dog bite



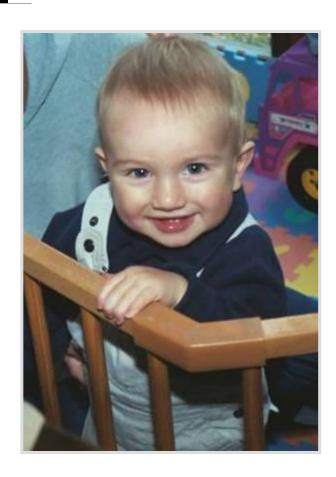
−Gisle et al 2001

Eur J Pediatr. 2004 Jul;163(7):424. Epub 2004 May 13.

Prevalence of dog bites in children: a telephone survey.

Kahn A, Robert E, Piette D, De Keuster T, Lamoureux J, Levêque A.

Département de Pédiatrie, Hôpital Universitaire des Enfants Reine Fabiola, Av. JJ Crocq 15, 1020 Bruxelles, Belgium. akahn@ulb.ac.be PMID: 15141311 [PubMed - indexed for MEDLINE]



Children are twice as often victim of a dog bite, then any other age group

Eur J Pediatr. 2003 Apr;162(4):254-8. Epub 2003 Feb 6.

Child victims of dog bites treated in emergency departments: a prospective survey.

Kahn A, Bauche P, Lamoureux J; Dog Bites Research Team.

Hôpital Universitaire des Enfants Reine Fabiola, Av. J.J. Crocq 15, 1020, Brussels, Belgium. akahn@ulb.ac.be



- -The majority
- -of dog bites in children
- -happen at home
- -with a familiar dog
- -and a young child
- -(med 5y)

J Pediatr. 2004 Jan;144(1):121-2.

Posttraumatic stress disorder after dog bites in children.

Peters V, Sottiaux M, Appelboom J, Kahn A.

University Children's Hospital Queen Fabiola, Brussels, Belgium.

Comment on:

J Pediatr. 2004 Jan; 144(1):17-22.

Of 22 children who were victims of dog bite, 12 had symptoms of posttraumatic stress disorder 2 to 9 months after the bite. Violent dog attacks inflicting multiple and/or deep wounds were associated with risk of posttraumatic stress disorder.



-Dog bites in children represent an important health issue



The target group for prevention:



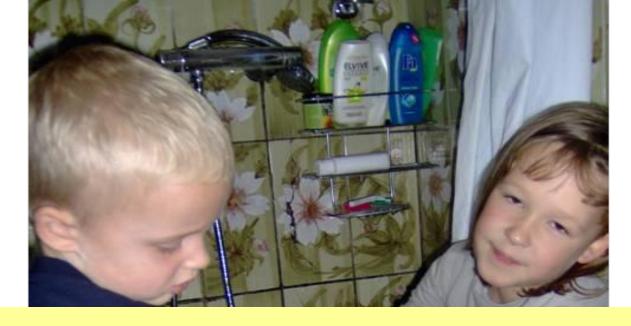
Existing prevention programmes:



- Age group > 7 years
- Public place
- Precautionary behaviour towards unknown dog

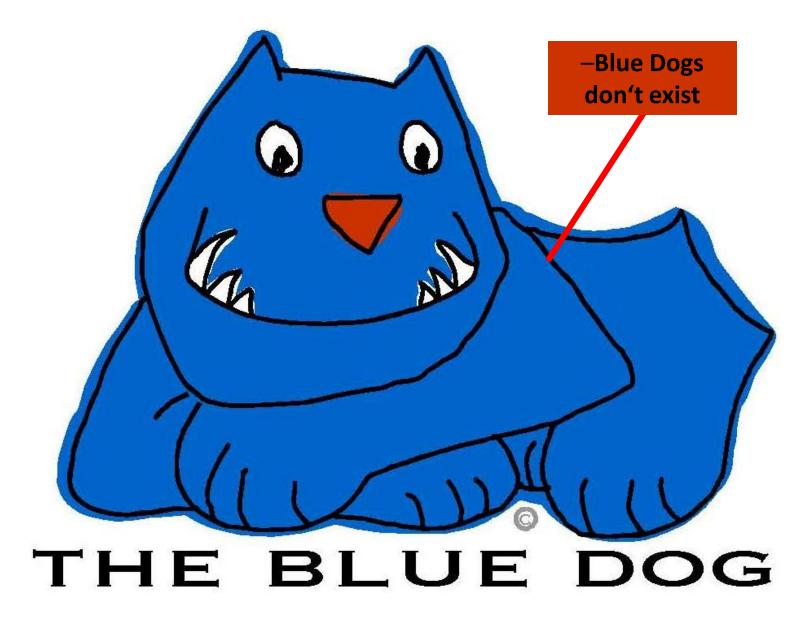


-Chapman et al 2000



-Lack in programmes aimed at preventing dog bites at home with pet dog & young children





-Soraya Verbeke, August₁2003

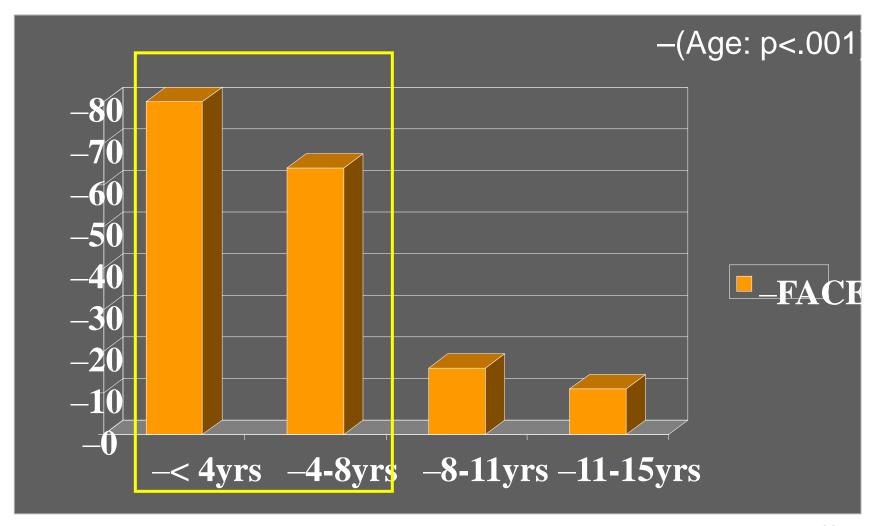




—No evidence of lower/higher tendency for aggressive behaviour, based solely on dog breed



-The child's age sthe most important factor!!



-Bernardo et al. 2002, Kahn et al. 2003, Shalamon



-Prevention Messages



–No evidence so far…



Young children mainly look at the dog's face and ignore body postures



 Young children often confuse frightened dogs and friendly dogs

Ongoing research University of Lincoln:

Meints, Racca & Hickey, in prep

–Poster

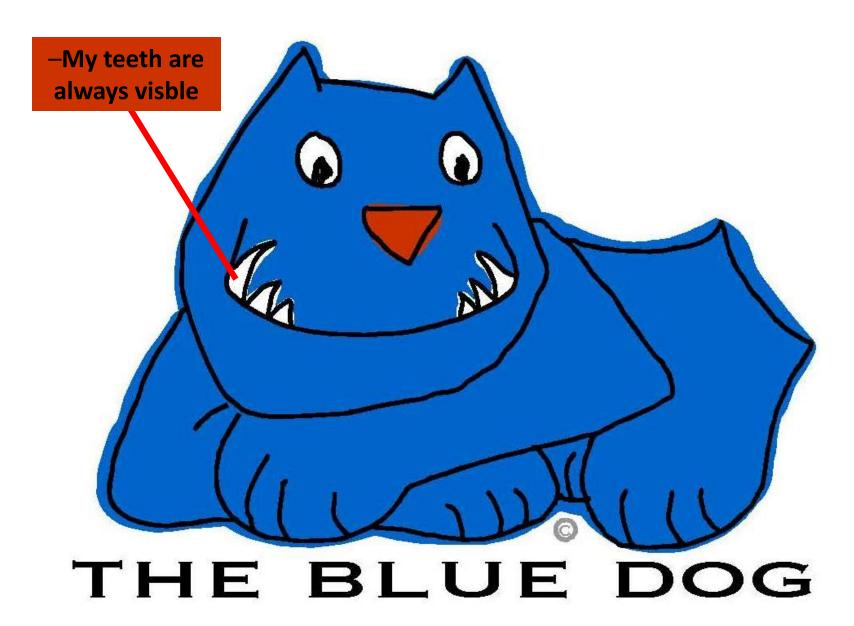
-Young children misinterpret



-baring teeth



-smile



-Soraya Verbeke, August₂2003

–No evidence how to safely pet any dog. Depends on the individual dog, the child & the context



"Be gentle with a dog"

"Talk to him first"

"First let the dog sniff"

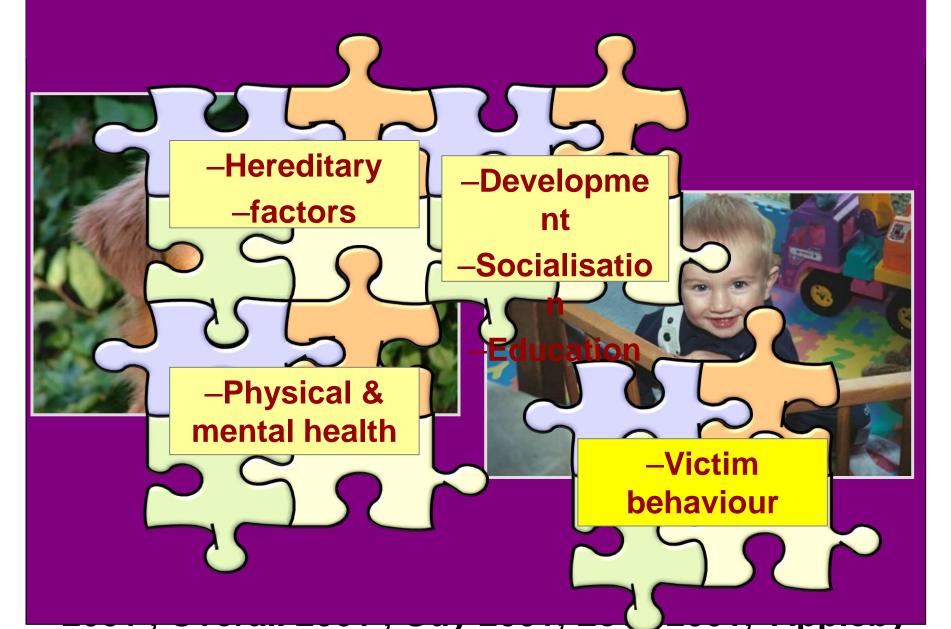
"Pet him gently on the back"

"Pet him gently under the chin"

• "

-Reisner et al., 2007

Living Safely with your dog



–Risk factor "victim behaviour" should be considered within a context!

-POSTER

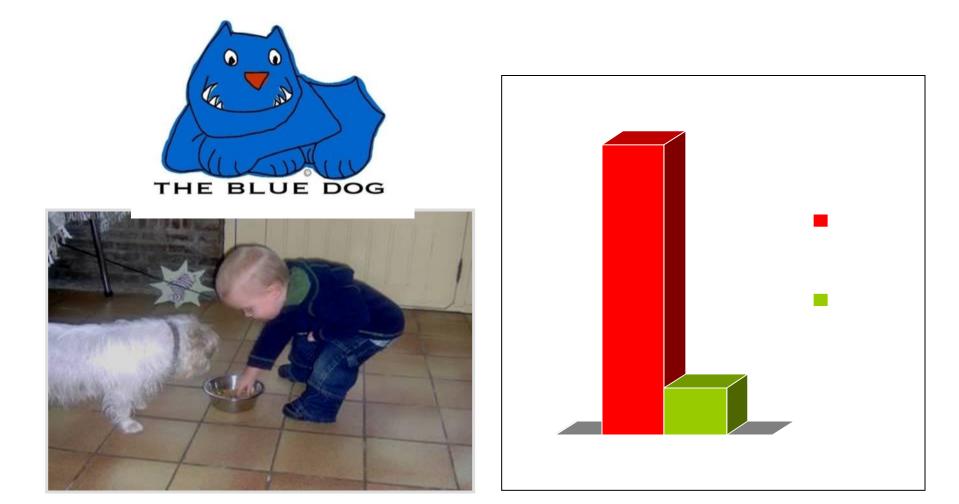


–86% Interaction–Victim → Dog



-61-80% of victims did-NOT interact with dog

In 86% of the cases, an ACTION from the child triggers the bite



-Mathews 1994, Kahn 2003, Ozanne-Smith

NOT

- "Leave the dog alone when he sleeps"
- "Don't bother the dog while he is eating"
- "Don't approach your face to the dog"
- "Don't chase the dog"
- "



-Children's safety can be improved by interactive training



Detection of dangerous and safe situations – interpretation - action

-Risk situations in the home with familiar



-Resources

-Interactions

-Kahn et al 2003. Reisner et al 2007

-Risk situations in the home with familiar



- -Food
- -Bones
- -Toys
- -Objects

- -Hugging
- -Petting, touching
- -Approaching sleeping dog
- –Waking dog
- -Pushing dog from sofa
- –Chasing dog

-Kahn et al 2003. Reisner et al 2007_{ng dog}

Script including common risk situations





-SAFE OUTCOME



-UNSAFE OUTCOME

-..to an interactive computer animation





Department Child PsychologyTeam Dr Kerstin Meints





–96 Children Ages 3-4-5 & 6 years







-Research financed by





—1. Children learn from the blue dog scenes to make the safe choices

-2. Parental support improves the learning

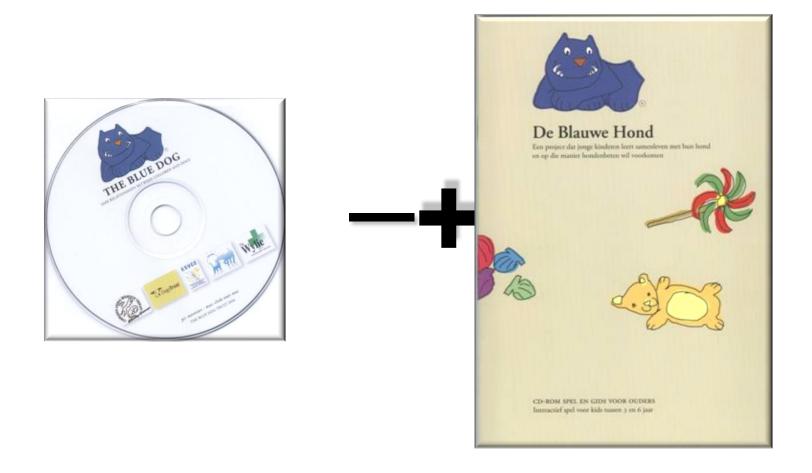
-POSTER 1





Most accidents happen when there is no active parental supervision





World Launch: WSAVA / FECAVA Congress Prague Oct 2006



















-THE BLUE DOG TRUST

-Partnerships with national veterinary associations

Norway

Austria

Belgium Poland

Czech Republic Portugal

Denmark Serbia

Estonia Spain

France Switzerland

Germany UK

Italy USA

Netherlands



-Research supported by the Blue Dog Trust

1. Facial Proximity study

-Co-funded by W







Poster 115





-Meints, De Keuster & Syrnyk, in prep.



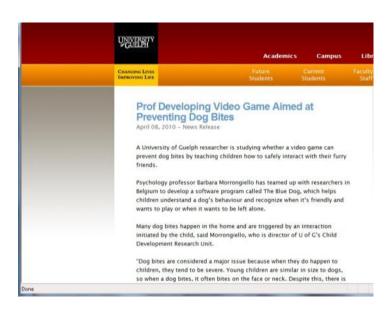
–Research supported by the Blue Dog Trust



- -Prof. Barbara Morrongiello
- -University of Guelph
- -(Canada)



- -Prof. David Schwebel
- -University of Birmingham
- -Alabama, US







Research supported by the Blue Dog Trust

3. Effectiveness of the Blue Dog in Real-life: a longitudinal study of children's behaviour with the family dog















-Further challenges

Spreading a prevention message





-Challenges in

-communicating a fear appeal



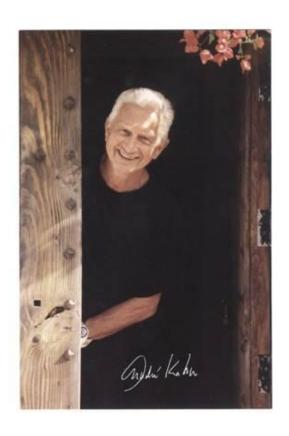
-Witte K.,1992



-"Every dog is capable of biting a child."

-"The use of will lower the risk of your dog biting your child."

Sincere thanks to all who helped in the realization of the Blue Dog



-André Kahn

-1944 - 2004

THANK YOU

Please visit us during the poster session



-bluedog.admin@tiscali.co.uk



Safety 2010 World Conference