

Supplemental Figure 1

Questionnaire about infantile injuries in the second survey at 18 months

Q9. Has your child born in May 2010 experienced the following injuries during this year (from December 2010 to November 2011)? Mark all applicable choices, including cases that did not require a clinic/hospital visit.

- 01. Fall from a bed, stairs, or a chair
- 02. Pinched by a door or a window
- 03. Cut by sharp objects such as a knife or pieces of glass
- 04. Bitten by animals/stung by a bee
- 05. Drowned or near drowned in a bath or a pond
- 06. Ingestion of a coin, cosmetic tool, a piece of soap, or cigarette
- 07. Foreign body entry into eyes, ears, and/or nose
- 08. Contact with a clothes iron or a hot pot/scalded with hot water
- 09. Traffic accidents
- 10. Other injuries
- 11. None

Supplemental Figure 2

Questionnaires about preschool-aged injuries from the third to the seventh survey (from 30 months to seven years old)

At the third survey (30 months old)

Q11. Has your child born in May 2010 experienced the following diseases or injuries that required a clinic/hospital visit during this year (from December 2011 to November 2012)? Mark all applicable choices.

01. No diseases or injuries that require a clinic/hospital visit
02. Whooping cough (pertussis)
03. Chickenpox
04. Measles
05. Rubella
06. Mumps
07. Intussusception
08. Kawasaki disease
09. Atopic rhinitis/conjunctivitis
10. Asthma
11. Atopic dermatitis
12. Food allergy
13. Conjunctivitis (not atopic)
14. Otitis media/externa
15. Common cold/pharyngitis/tonsillitis/bronchiolitis/pneumonia
16. Influenza
17. Gastroenteritis/constipation
18. Impetigo
19. Eczema (not atopic dermatitis)
20. Congenital diseases
21. Convulsion/seizures
22. Consultation about developmental or behavioral concerns
23. Caries
24. Other diseases
25. Bone fracture
26. Burn
27. Other injuries

Supplemental Figure 3

Questionnaires about preschool-aged injuries from the third to the seventh survey (from 30 months to seven years old)

At the fourth survey (42 months old)

Q11. Has your child born in May 2010 experienced the following diseases or injuries that required a clinic/hospital visit during this year (from December 2012 to November 2013)? Mark all applicable choices.

01. No diseases or injuries that require a clinic/hospital visit
02. Whooping cough (pertussis)
03. Chickenpox
04. Measles
05. Rubella
06. Mumps
07. Kawasaki disease
08. Atopic rhinitis/conjunctivitis
09. Asthma
10. Atopic dermatitis
11. Food allergy
12. Conjunctivitis (not atopic)
13. Otitis media/externa
14. Common cold/pharyngitis/tonsillitis/bronchiolitis/pneumonia
15. Influenza
16. Gastroenteritis/constipation
17. Impetigo
18. Eczema (not atopic dermatitis)
19. Congenital diseases
20. Convulsion/seizures
21. Consultation about developmental or behavioral concerns
22. Caries
23. Other diseases
24. Bone fracture
25. Burn
26. Other injuries

Supplemental Figure 4

Questionnaires about preschool-aged injuries from the third to the seventh survey (from 30 months to seven years old)

At the fifth survey (54 months old)

Q5. Has your child born in May 2010 experienced the following diseases or injuries that required a clinic/hospital visit during this year (from December 2013 to November 2014)? Mark all applicable choices.

01. No diseases or injuries that require a clinic/hospital visit
02. Chickenpox
03. Measles
04. Rubella
05. Mumps
06. Kawasaki disease
07. Atopic rhinitis/conjunctivitis
08. Asthma
09. Atopic dermatitis
10. Food allergy
11. Conjunctivitis (not atopic)
12. Otitis media
13. Otitis externa
14. Common cold/pharyngitis/tonsillitis/bronchiolitis/pneumonia
15. Influenza
16. Gastroenteritis/constipation
17. Impetigo
18. Eczema (not atopic dermatitis)
19. Congenital diseases
20. Convulsion/seizures
21. Caries
22. Consultation about developmental or behavioral concerns
23. Pharyngoconjunctival fever
24. Streptococcal infection
25. Other diseases
26. Injuries including bone fracture and burn

Supplemental Figure 5

Questionnaires about preschool-aged injuries from the third to the seventh survey (from 30 months to seven years old)

At the sixth survey (66 months old)

Q6. Has your child born in May 2010 experienced the following diseases or injuries that required a clinic/hospital visit during this year (from December 2014 to November 2015)? Mark all applicable choices.

01. No diseases or injuries that require a clinic/hospital visit
02. Chickenpox
03. Measles
04. Rubella
05. Mumps
06. Kawasaki disease
07. Atopic rhinitis/conjunctivitis
08. Asthma
09. Atopic dermatitis
10. Food allergy
11. Conjunctivitis (not atopic)
12. Otitis media
13. Otitis externa
14. Common cold/pharyngitis/tonsillitis/bronchiolitis/pneumonia
15. Influenza
16. Gastroenteritis/constipation
17. Impetigo
18. Eczema (not atopic dermatitis)
19. Congenital diseases
20. Convulsion/seizures
21. Caries
22. Consultation about developmental or behavioral concerns
23. Pharyngoconjunctival fever
24. Streptococcal infection
25. Other diseases
26. Injuries including bone fracture and burn

Supplemental Figure 6

Questionnaires about preschool-aged injuries from the third to the seventh survey (from 30 months to seven years old)

At the seventh survey (seven years old)

Q8. Has your child born in May 2010 experienced the following diseases or injuries that required a clinic/hospital visit during this year (from December 2016 to November 2017)? Mark all applicable choices.

01. No diseases or injuries that require a clinic/hospital visit
02. Chickenpox
03. Measles
04. Rubella
05. Mumps
06. Kawasaki disease
07. Atopic rhinitis/conjunctivitis
08. Asthma
09. Atopic dermatitis
10. Food allergy
11. Conjunctivitis (not atopic)
12. Otitis media
13. Otitis externa
14. Common cold/pharyngitis/tonsillitis/bronchiolitis/pneumonia
15. Influenza
16. Gastroenteritis/constipation
17. Impetigo
18. Eczema (not atopic dermatitis)
19. Congenital diseases
20. Convulsion/seizures
21. Caries
22. Consultation about developmental or behavioral concerns
23. Pharyngoconjunctival fever
24. Streptococcal infection
25. Other diseases
26. Injuries including bone fracture and burn

Supplemental Figure 7

Questionnaires about any behavioral difficulties of in the sixth survey at 66 months old

Q7. Select “yes” or “no” to whether your child born in May 2010 can do the following behaviors.

- 01. Listen to someone calmly
- 02. Concentrate on one thing
- 03. Be patient
- 04. Express his/her feelings properly
- 05. Act in groups
- 06. Keep promises

Supplemental Table

Logistic regression analysis to investigate the relationship between an experience of accidental injuries at 18 months old and hospital visits due to injuries at 18 months to 7 years old

	Case/n	(%)	Crude OR	(95% CI)	Adjusted OR ^a	(95% CI)
No injury at 18 months old	1,112/3,952	(28.1)	1	(Ref)	1	(Ref)
Any injuries at 18 months old	6,067/16,239	(37.4)	1.52	(1.41-1.64)	1.48	(1.37-1.60)
<u>Type of injuries</u>						
No Fall	2,042/6,607	(30.9)	1	(Ref)	1	(Ref)
Fall	5,137/13,584	(37.8)	1.36	(1.28-1.45)	1.34	(1.25-1.42)
No Pinch	3,606/10,866	(33.2)	1	(Ref)	1	(Ref)
Pinch	3,573/9,325	(38.3)	1.25	(1.18-1.32)	1.22	(1.15-1.29)
No Cut	6,965/19,642	(35.5)	1	(Ref)	1	(Ref)
Cut	214/549	(39.0)	1.16	(0.98-1.38)	1.13	(0.94-1.34)
No Bite	6,989/19,707	(35.5)	1	(Ref)	1	(Ref)
Bite	190/484	(39.3)	1.18	(0.98-1.41)	1.17	(0.97-1.41)
No Drowning	5,930/17,154	(34.6)	1	(Ref)	1	(Ref)
Drowning	1,249/3,037	(41.1)	1.32	(1.22-1.43)	1.29	(1.19-1.40)
No Ingestion	6,825/19,361	(35.3)	1	(Ref)	1	(Ref)
Ingestion	354/830	(42.7)	1.37	(1.19-1.57)	1.35	(1.17-1.56)
No Choking	7,099/19,991	(35.5)	1	(Ref)	1	(Ref)
Choking	80/200	(40.0)	1.21	(0.91-1.61)	1.17	(0.88-1.56)
No Burn	6,589/18,869	(34.9)	1	(Ref)	1	(Ref)
Burn	590/1,322	(44.6)	1.5	(1.34-1.68)	1.47	(1.31-1.65)
No Traffic accident	7,158/20,128	(35.6)	1	(Ref)	1	(Ref)
Traffic accident	21/63	(33.3)	0.91	(0.54-1.53)	0.85	(0.49-1.47)
No Other injuries	6,844/19,482	(35.1)	1	(Ref)	1	(Ref)
Others	335/709	(47.3)	1.65	(1.42-1.92)	1.57	(1.35-1.83)

n, total number of children with injuries at 18 months old; OR, odds ratio; CI, confidence interval

^a Adjusted for gender, term or preterm birth, singleton or multiple birth, birth order, daycare attendance, maternal age at delivery, maternal and paternal smoking, maternal education, and residential area