

#### Appendix 4 Index of Child Care Environment (ICCE)

1. How often do you play with your child (stay with child face to face)?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
2. How often do you go shopping with your child?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
3. How often do you read books to your child?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
4. How often do you sing songs with your child?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
5. How often do you go to park with your child?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
6. How often do you and your child meet with friends or relatives with children of a similar age?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
7. How often does your spouse, partner, or other care giver help you with the child?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
8. How often does your child eat meals together with both parents?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
9. What do you do if your child spills milk purposely?  
1) spank the child 2) scold the child 3) discipline in another way (content: )  
4) determine how to prevent it in the future 5) other ( )
10. How many times did you spank your child last week?  
1) never 2) 1~2times 3) 3~4times 4) 5~6times 5) almost every day
11. How many times do you have a chance to talk with your spouse/partner about your child?  
1) rarely 2) 1~3/ month 3) 1~2/ week 4) 3~4/ week 5) almost every day
12. Does someone help you take care of your child?  
1) No 2) Yes  
If yes, circle all the following that apply:  
1) spouse 2) grandparent 3) friend 4) relative 5) neighbor 6) babysitter  
7) child care professionals from the early childhood education and care centers 8) other
13. Do you have someone to consult with about childcare?  
1) No 2) Yes  
If yes, circle all the following that apply:  
1) spouse 2) grandparent 3) friend 4) relative 5) neighbor  
6) child care professionals from the early childhood education and care centers  
7) director of the early childhood education and care centers 8) babysitter 9) other