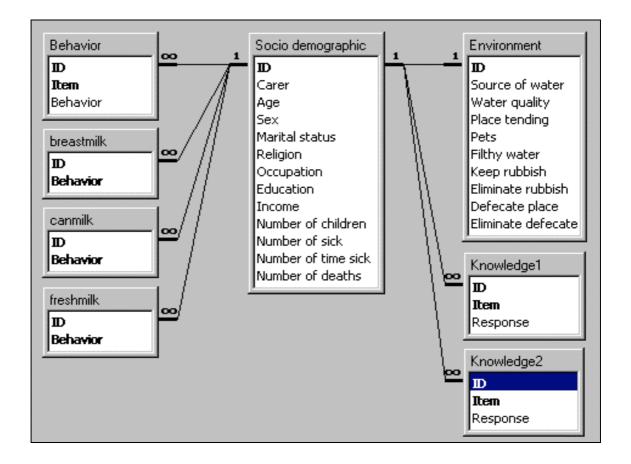
Appendix

Appendix

A. Data Structure

The data were gathered and entered into Microsoft Access. The data file is called data set diarrhea.mdb created by queries. There were created 4 main tables with sociodemographic, environment, knowledge and behaviour. These comprise column and 220 records. The relationships between tables were as follows



The data in the socio-demographic table consisted of identification of survey form, carer, age, sex, marital status, religion, occupation, education, income, number of sick, number of time sick and number of deaths. The data records were as follows

ID	Carer	Age	Sex	Status	Religion	Occupation	Education	Income	Children	Sick	Time	Deaths
1	1	32	1	2	1	5	3	2500	3	2	0	0
2	1	41	1	2	1	2	2	2000	3	2	0	0
•												
220	1	26	2	2	2	2	1	3000	1	2	0	0

The data in the environment table consisted of identification of survey form, source of water, water quality, place tending, pets, filthy water, keep rubbish, eliminate rubbish, defecate place and eliminate defecate. The data records were as follows

ID	Source	Water	Place	pets	Filthy	Keep	Eliminate	Defecate	Eliminate
	of water	quality	tending		water	rubbish	rubbish	Place	defecate
1	4	1	1	1	1	2	1	1	2
2	1	1	2	1	2	1	1	1	3
		•			-	-	•	•	
220	3	1	1	2	2	1	1	2	2

The data in the knowledge1 table consisted of identification of survey form, item, and response. The data records were as follows

ID	Item	Response
1	1	5
1	3	4
•	•	•
220	15	1

The data in the knowledge2 table consisted of identification of survey form, item and response. The data records were as follows

ID	Item	Response
1	16a	0
1	16b	1
220	16e	1

The data in the behavior table consisted of identification of survey form, item and behavior. The data records were as follows

ID	Item	Behavior
1	1	1
1	2	1
•	•	
220	12	2

The data in the breastmilk table consisted of identification of survey form behavior. The data records were as follows

ID	Behavior
1	2
2	1
•	
220	2

The data in the canmilk table consisted of identification of survey form, item and behavior. The data records were as follows

ID	Behavior
1	0
2	0
220	0

The data in the freshmilk table consisted of identification of survey form, item and behavior. The data records were as follows

ID	Behavior
1	0
2	0
•	
220	0

The SQL command lists for data structure establishment were as follows: SELECT socio-demographic.id, socio-demographic.carer, socio-demographic.age, socio-demographic.sex, socio-demographic.marital status, sociodemographic.religion, socio-demographic.occupation, socio-demographic.education, socio-demographic.income, socio-demographic.number of sick, sociodemographic.number of time sick and socio-demographic .number of deaths. The data records were as follows

FROM socio demographic;

FROM socio demographic INNER JOIN environment (ON socio demographic.id=environment.id) ON (knowledge1.id=socio demographic.id) ON (knowledge1.id=socio demographic.id) ON (Behavior.id (breastmilk.id=socio demographic.id), (canmilk.id=socio demographic.id), (freshmilk.id=socio demographic.id)).

B. Programming preliminary result and statistical modeling

Matlab version 5 and Asp (McNeil, 1998) were used for graphical presentation and statistical analysis. The programs were as follows.

% Program creates the Figure3.2 getfile montri1 y=getnum; y(:,8)=min(3,y(:,8)); y(:,10)=min(2,y(:,10)); putnum(y) describe hist=1 font=8 fnwid=19;

% Program creates the Figure 3.3

getfile enviro y(:,8)=min(3,y(:,8)); y(:,10)=min(2,y(:,10)); putnum(y) describe hist=1 font=8 fnwid=19;

% Program creates the Figure 3.4

getfile know describe hist=1 font=10; % Program creates the Figure 3.5

getfile refer describe hist=1 font=10 fnwid=18;

% Program creates the Figure 3.6

getfile behav describe hist=1 col=[1:9] font=10 fnwid=18;

% Program creates the Figure 3.7

getfile breastmil
y=getnum;
ok=y(:,3)>0;
y=y(ok,:);
putnum(y)
fn=str2mat('ID','sick','breast milk hygiene');
putfn(fn)
lab{2}={'1 sick ' '2 not sick '};
lab{3}={'1 washing every times' '2 washing some times' '3 never' };
putlab(lab)
describe hist=1 font=10 type=2 fnwid=22

```
% Program creates the Figure 3.8
```

getfile canmilk y=getnum; ok=y(:,3)>0; y=y(ok,:); putnum(y) fn=str2mat('ID','sick','can milk hygiene'); putfn(fn) lab{2}={'1 sick '2 not sick '}; lab{3}={'1 washing every times' '2 washing some times' '3 never' }; putlab(lab) describe hist=1 font=8 fnwid=20;

% Program creates the Figure 3.9

getfile freshmil
y=getnum;
ok=y(:,3)>0;
y=y(ok,:);
putnum(y)
fn=str2mat('ID','sick','fresh milk hygiene');
putfn(fn)
lab{2}={'1 sick ' '2 not sick '};

lab{3}={'1 washing every times' '2 washing some times' '3 never' };
putlab(lab)
describe hist=1 font=10 type=2 fnwid=22

```
% Program creates the Figure 3.10
```

getfile joinso setvar y=15 'x=4 15' stratify setvar y=2 x=1 z=4 res=1 compair res=1 log=1 font=10

% Program creates the Figure 3.11

getfile joinso setvar y=15 'x=4 15' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.12

getfile joinen %used joinen.m setvar y=2 'x=6 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.13

setvar y=2 'x=8 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.14

setvar y=2 'x=10 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.15

setvar y=2 'x=14 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10 % Program creates the Figure 3.16

getfile joinkn %used joinkn.m setvar y=2 'x=8 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.17

getfile joinkn %used joinkn.m setvar y=2 'x=8 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.18

setvar y=2 'x=32 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.19

getfile joinbe %used joinbe.m setvar y=2 'x=10 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.20

setvar y=2 'x=14 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 3.21

setvar y=2 'x=16 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10 % Program creates the Figure 3.22

setvar y=2 'x=18 2' stratify setvar y=2 x=1 z=4 res=1 orplot res=1 log=1 font=10

% Program creates the Figure 4.1

%choose determinant p-value <0.100 were 15 data. setvar y=9 x=[2 3 6 8 11 13 14 15 17 19 23 25 33 35 37 39 41 43] lreg font=7

% Program creates the Figure 4.2

%take 2 11 15 17 25 35 setvar y=9 x=[3 6 8 13 14 19 23 33 37 39 41 43] lreg font=7

% Program creates the Figure 4.3

%take 3 23 setvar y=9 x=[6 8 13 14 19 33 37 39 41 43] lreg font=7

% Program creates the Figure 4.4

%take 19 setvar y=9 x=[6 8 13 14 33 37 39 41 43] lreg font=7

% Program creates the Figure 4.5

%take 33 37 setvar y=9 x=[6 8 13 14 39 41 43] lreg font=7

% Program creates the Figure 4.6

%take 14 setvar y=9 x=[6 8 13 39 41 43] lreg font=7

% Program creates the Figure 4.7 %take 6 setvar y=9 x=[8 13 39 41 43] lreg font=7

Risk factors Related to Accute Diarrhea Disease in Children Aged under 5 Years in Pattani Province

Date..... Interviewer.....

<u>Explannation</u> This questionair comprises 4 parts. Please mark (/) in front of the number that you regard as most valid and in really or put the absolute word in to the space.

Part 1 Socio-Demographic factors

The answer i	s \Box 1. Mother \Box 2. Other	Care			
AddressMooSub-districtDistrictPattani Province					
1. Age	Years	Age			
2. Sex	\Box 1. Female \Box 2. Male	Sex 🗌			
3. Status	\Box 1. Single \Box 2. Married \Box 3. Widowed/Divorce/Separate	Sta			
4. Religion	\Box 1. Buddhist \Box 2. Muslim \Box 3. Other (specify)	Rel			
5. Occupation	\square 1. Agriculture \square 2. Employee \square 3. Commerce	Occ			
	\Box 4. Official \Box 5. Housewife \Box 6. Other (specify)				
6. Level of E	ducation	Gra			
	\Box 1. No schooling \Box 2. Primary \Box 3. Secondary				
	\Box 4. Diploma \Box 5. Bachalor's Degree \Box 6. Other (specify).				
7. Income of	family (monthly)Baht	Inc			
8. How many	children under 5 years old were in your care in the last year ?	Chil 📃			
First	ageYears oldMomth				
Secor	nd ageYears oldMonth				
Third	ageMonth				
9. Have your	children ever had diarrhea disease in the last year?	Sick			
	\Box 1. Yes How many times \Box 2. No				
10. Have any	10. Have any of your children dead from diarrhea disease in the last year? Dead				
	\Box 1. Yes How many Children \Box 2. No				

Part 2 Environment Factors.

1. What source of water do your children drink ?	Water			
\Box 1. Well water \Box 2. Reservoir water \Box 3. Rain Wa	ter			
\Box 4. Bottled water \Box 5. Other (specify)				
2. What approach do you use to improve the water qualitaty before giving	App			
to your children ?				
\Box 1. Boil \Box 2. Filter (Include bottlee	d water)			
\Box 3. Use chemical \Box 4. Other (specify) \Box 5. Not im	prove			
3. Which off area are you tending the children ?	Area			
\Box 1. Raised on the ground \Box 2. On the ground				
4. Are there any pets or the corrals near your place?	Pets			
\Box 1. Yes \Box 2. No				
5. Is there any filthy water near your place ?	Filt			
\Box 1. Yes \Box 2. No				
6. Do you eliminate your rubbish correctly to keep your place hygienic ?	Rub1			
\Box 1. Yes \Box 2. No				
7. What method do you use to eliminate your rubbish ?	Rub2			
\Box 1. Burn \Box 2. Bury \Box 3. Municipality's to colle	ection			
\Box 4. Other (specify) \Box 5. Not eliminate				
8. Where does the defecation place of child ?	Wher			
\Box 1.In the toilet \Box 2. On the ground \Box 3. In the fo	rest			
\Box 4. In the river \Box 5. Other (specify)				
9. what are your method for cleaning when child defecate on the floor?				
\Box 1. Wipe only \Box 2. Wipe and wash with t	he water.			
\Box 3. Wipe and wash with soap \Box 4. Use other method				
\Box 5. Not elimate				

Part 3. Knowledge about the factors which cause diarrhea desease.

Explannation : Please mark (/) in front of the number that you regard most valid.					
1. Which has been the cause of diarrhea desease ? Caus					
\Box 1. Eating food infected. \Box 2. Going to durty areas without taking	shoes on.				
\Box 3.Insect bite \Box 4. Metabolism in children body \Box 5. Not known	wn				
2. What is the carrier of diarrhea desease ?	Carr				
\Box 1. Fruit fly \Box 2. Mosquito \Box 3. Fly \Box 4. Cockrach \Box 5. N	ot known				
3. What is the Symptom of d diarrhea diesease ?	Symp				
\Box 1. Excrement is water twice a day \Box 2. Excrement is blood more of	once a day				
\Box 3. Excrement is water more than 3 times or blood 1 time/day					
\Box 4. Excrement is water more than 5 times or blood 2 time/day \Box 5. N	Jot known				
4. How the diarrhea desease transfered?	Tran				
\Box 1. By wound \Box 2. By breath \Box 3. By mouth					
\Box 4. By touching the skin \Box 5. Not known					
5. Which of the following statements is not correct for preventing diarrhead	lesease?				
\Box 1.Use toillet every time for elimate the excrement.	Prev				
\Box 2. Take on the shoes and prevent insect bite. \Box 3. Washing hands be	efore eat				
\Box 4. Eatting the fresh food and drink boil water. \Box 5. Not known					
6. Why is it useful your food to heat ?	Heat				
\Box 1. Disinfected \Box 2. Make appetizingly \Box 3. Make more deli	cious				
\Box 4. Have more vitamin. \Box 5. Not known					
7. What kind of vaccine could decrease the incidence of diarrhea desease	Vac				
in chlidren ?					
\Box 1. Pertussis \Box 2. Diptheria \Box 3. Polio \Box 4. Measle \Box 5. Not known					
8. Why is it important to washing your hands with soap after using the toilet ? Was					
\Box 1. Clear faeces \Box 2. Perfume hands \Box 3. Prevent dry s	kin				

9. What is the cause of death with diarrhea de	esease in children ?	Deat
\Box 1. High fever and shock	\Box 2. Weakness due to not eati	ng.
□ 3. Abdominal pain and vomiting	□ 4. Dehydration with Diarrh	ea
\Box 5. Not known		
10. Which way is the desease transfered from	n children patients to others?	Way
\Box 1. faeces \Box 2. breath \Box 3. sweat	\Box 4. urinate \Box 5. Not known	1
11. What is the most effect of diarrhea desea	se in children?	Eff
\Box 1. Poor Nutrition \Box 2. Less resist	tance to desease Easy for sick	
\Box 3. Developing brian is impaired.	□ 4. Dehydration loss of mine	rals.
\Box 5. Not known		
12. If your children have a diarrhea desease,	how much will you	Eat
give them to eat ? \Box 1. More than norm	nal \Box 2. Less than normal	
\Box 3. Wait until getting well and give t	hem food as norrnal	
\Box 4. Not give any food.	\Box 5. Not known	
13. If your child have had a diarrhea desease	, how much will you give	Drin
them to drink some water, solution oral re-	ehydrate salt (ORS), soup rice	, fruit
juice? \Box 1. More than normal	\Box 2. Less than normal	
\Box 3. Wait until getting well and give the set of the	hem drink as norrnal	
\Box 4. Not give any food	\Box 5. Not known	
14. How do you prepare the easy solution of	Oral Rehydrate Salt (ORS)	ORS
for a child patient with diarrhea?		
\Box 1. Boil water 1 bottle (750 cc), suga	ar 2 spoon, salt ½ teaspoon mi	x together
\Box 2. Boil water 1 bottle (750 cc), suga	ar 5 spoon, salt 2 teaspoon mi	x together
\Box 3. Boil water 1 bottle (350 cc), suga	ar 2 spoon, salt ½ teaspoon m	ix together
\Box 4. Boil water 1 bottle (350 cc), suga	ar 5 spoon, salt 1 teaspoon m	ix together
\Box 5. Not known		
15. How long do you keep the solution of Or	al Rehydrate Salt (ORS)	Lon
for drink ? \Box 1. Not more than 24 h	r. \Box 2. Not more than 2 day	/S.
\Box 3. Not more than 3 days. \Box 4. N	fotr more than 1 wks. \Box 5. N	ot known

indicate refer to a Hospital? (Can answer more than 1 choice) 1. Heavy diarrhea 2. Heavy vomiting 3. Can't eat or drink 4. Blood in defecate 5. Heavy weekness 6. Not known Past 4 Behavior of child cares's for prevention diarrhea desease Explannation : Please mark (/) in front of the number that you regard most valid. 1. How do you washing your hands before cooking? Cook 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Do you ever give reheat meals to your children? 4. How do you washing your hands after using the toilet? 1. Wash with soap sometimes. 4. How do you washing your hands after using the toilet? 1. Wash with soap sometimes. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap		16. Which of the following danger signs in a diarrhea patient would Refe				
 4. Blood in defecate 5. Heavy weekness 6. Not known Past 4. Behavior of child cares's for prevention diarrhea desease Explannation : Please mark (/) in front of the number that you regard most valid. 1. How do you washing your hands before cooking? Cook 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only owner times 5. Don't wash 2. How do you washing your hands and your children's hands before Weat giving them a meal ? 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Do you ever give reheat meals to your children ? Rehe 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 2. Wash with water only everytime. 3. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap ownetimes. 4. Wash with water only everytime. 3. Wash with soap ownetimes. 4. Wash with water only everytime. 3. Wash with soap everytime. 2. Wash with water only everytime. 5. Don't wash 						
Past 4 Behavior of child cares's for prevention diarrhea desease Explannation : Please mark (/) in front of the number that you regard most valid. 1. How do you washing your hands before cooking? Cook 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 2. How do you washing your hands and your children's hands before Weat giving them a meal ? 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Wash with soap some times. 4. Wash with water only some times 4. Wash with soap some times. 5. Don't wash 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap everytime. 2. Wash with water only everytime. 3. Some times 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime.	□ 1. Heavy diarrhea	□ 2. Heavy	vomiting	\Box 3. Can't eat	or drink	
Explanation : Please mark (/) in front of the number that you regard most valid. 1. How do you washing your hands before cooking? Cook 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 2. How do you washing your hands and your children's hands before Weat giving them a meal ? 2. Wash with water only every time. 3. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. 3. Do you ever give reheat meals to your children ? Rehe 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only	□ 4. Blood in defecate	∃ 5. Heavy	weekness	\Box 6. Not know	'n	
1. How do you washing your hands before cooking? Cook 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 2. How do you washing your hands and your children's hands before Weat giving them a meal ? 2. Wash with water only every time. 3. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Wash with soap some times. 4. Wash with water only some times 6. Don't wash 3. Do you ever give reheat meals to your children ? Rehe 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes </td <td>Past 4 Behavior of child cares's</td> <td>s for preve</td> <td>ention diar</td> <td>rhea desease</td> <td></td>	Past 4 Behavior of child cares's	s for preve	ention diar	rhea desease		
 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 2. How do you washing your hands and your children's hands before Weat giving them a meal ? 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Do you ever give reheat meals to your children ? Rehe 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec	Explannation : Please mark (/) in front	of the num	per that you regard n	nost valid.	
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 5. Don't wash 2. How do you washing your hands and your children's hands before weat giving them a meal ? 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Do you ever give reheat meals to your children ? Rehe 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap sometimes. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fee 1. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 	\Box 1. Wash with soap every	[,] time.	\Box 2. Wash	with water only eve	ery time.	
 2. How do you washing your hands and your children's hands before Weat giving them a meal ? 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Do you ever give reheat meals to your children ? Rehe 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap sometimes. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fee 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap everytime. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 	\Box 3. Wash with soap some	times.	\Box 4. Wash	n with water only sor	ne times	
giving them a meal ?	\Box 5. Don't wash					
 1. Wash with soap every time. 2. Wash with water only every time. 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Do you ever give reheat meals to your children ? 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec	2. How do you washing your har	nds and you	ur children's	s hands before	Weat	
 3. Wash with soap some times. 4. Wash with water only some times 5. Don't wash 3. Do you ever give reheat meals to your children ? 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap everytime. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 	giving them a meal ?					
 5. Don't wash 3. Do you ever give reheat meals to your children ? Rehe 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap everytime. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 	\Box 1. Wash with soap every	' time.	\Box 2. Wash	with water only eve	ery time.	
 3. Do you ever give reheat meals to your children ? Rehe 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 	\Box 3. Wash with soap some	times.	□4. Wash	n with water only sor	ne times	
 1. Everytime 2. Often time 3. Some time 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap everytime. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 	\Box 5. Don't wash					
 4. Seldom 5. Never eat 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap everytime. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 	3. Do you ever give reheat meals	to your ch	ildren ?		Rehe	
 4. How do you washing your hands after using the toilet ? Toil 1. Wash with soap everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only everytime. 	□ 1. Everytime	2. Often	time	\Box 3. Some time		
 1. Wash with soap everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 	□ 4. Seldom	∃ 5. Never	eat			
 3. Wash with soap sometimes. 4. Wash with water only sometimes 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec	4. How do you washing your hands after using the toilet ? Toil					
 5. Don't wash 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 3. Wash with soap sometimes. 4. Wash with water only sometimes 	\Box 1. Wash with soap everytime. \Box 2. Wash with water only everytime.			rytime.		
 5. How do you washing your hands after you cleaned your children's feces ? Fec 1. Wash with soap everytime. 2. Wash with water only everytime. 4. Wash with water only sometimes 	\Box 3. Wash with soap some	times.	□ 4. Wash	with water only som	netimes	
 □ 1. Wash with soap everytime. □ 2. Wash with water only everytime. □ 3. Wash with soap sometimes. □ 4. Wash with water only sometimes 	\Box 5. Don't wash					
\Box 3. Wash with soap sometimes. \Box 4. Wash with water only sometimes	5. How do you washing your hands after you cleaned your children's feces ? Fec					
	\Box 1. Wash with soap every	rtime.	\Box 2. Wash	with water only ever	rytime.	
\Box 5 Don't wash	\Box 3. Wash with soap some	times.	□ 4. Wash	with water only som	netimes	
	\Box 5. Don't wash					

6. What kind of milk does your child drink now ?	Milk
\Box 1. Breast milk (Answer choice 7, not answer choice 8 a	
$\Box 2. \text{ Can milk} (\text{Answer choice 8, not asswer choice 7})$	
\Box 3. Fresh milk (Answer choice 9, not answer choice 7;	
\Box 4. Other \Box 5. Not eating	
7. If your child has breast milk, do you ever washing your breasts before give them?	Brea
\Box 1. Wash with soap every time. \Box 2. Wash with water o	nly every time
\Box 3. Wash with soap some times. \Box 4. Wash with water o	
\Box 5. Don't wash	ing some times
8. If your child has can milk, how do you washing the bottle, nipple and cover before using them again ?	Bott
\Box 1. Wash with soap every time. \Box 2. Wash with water	only every time.
\Box 3. Wash with soap some times. \Box 4. Wash with water	only some times
\Box 5. Don't wash	
9. If your child has fresh milk, do you ever check the expire date?	Fres
\Box 1. Every time \Box 2. Often time \Box 3. Some time \Box 4. Sel	dom 🗆 5. Never
10. What do you do about food or milk keft over night before giving it to a child ?	Over
\Box 1. Heat every time \Box 2. Often heat \Box 3. Heat som	ne time
\Box 4.Never heat \Box 5. Never eat	
11. If you have a diarrhea patient in your house, how do you clean	Clea
on their dress ?	
\Box 1. Boil and wash with soap \Box 2. Wash with soap only	
\Box 3. Wash with water only \Box 4. Other \Box 5.	Do nothing
12. How often do you cut your child's fingernails ?	Nail
\Box 1. Twice a week \Box 2. once a week \Box 3. once a fo	r twight weeks
\Box 4. once a month \Box 5. Other	

Risk factors Related to Accute Diarrhea Disease in Children aged under 5 years in Pattani Province

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Date.....

Interviewer.....

<u>Explannation</u> This questionair comprises 4 parts . Please mark (/) in front of the number that you regard as most valid and in really or put the absolute word in to the space.

Part 1 Socio-Demographic factors

The answer is	□ 1. M	other	2. Other	carer	
AddressM	looSub-distric	tDistrict	t Pattani Province	e	
1. Age Years					
2. Sex	□ 1. Female	□ 2. Male		Sex	
3. Status	\Box 1. Single \Box 2.	Married	owed/Divorce/Separate	Stat	
4. Religion	□ 1. Buddhist	\Box 2. Muslim \Box 2	3. Other (specify)	Reli	
5. Occupation	□ 1. Agriculture	□ 2. Employee	□ 3. Commerce	Occu	
	□ 4. Official	□ 5. Housewife	□ 6. Other (specify)		
6. Level of Ed	ucation				
	□ 1. No schooling	□ 2. Primary	□ 3. Secondary	Grad	
	4. Diploma	□ 5. Bachalor's I	Degree 🛛 6. Other (specify))	
7. Income of family (monthly)Baht Incom					
8. How many children under 5 years old were in your care in the last year? Child					
First ageYears oldMomth					
Second ageYears oldMonth					
Third	age	Years old	Month		
9. Have your children ever had Diarrhea Disease in the last year? Sick					
	\Box 1. Yes	How many times	🗆 2. No		
10. Have any of your children dead from Diarrhea Disease in the last year? Dead					
	□ 1. Yes I	How many Children.	🗆 2. No		

Part 2 Environment Factors.

1. What source of water do your children drink ?					Water	
	\Box 1. Well water \Box 2. Reservoir water \Box 3. Rain Water					
	\Box 4. Bottled water	□ 5. Oth	er (specify)			
2. What approx	ach do you use to improve	the water	qualitaty befor	e giving	Appr	
to your chil	dren ?					
	□ 1. Boil		2. Filter (Inclue	de bottled water)		
	\Box 3. Use chemical(specif	y)□	4. Other (speci	fy) \Box 5. Not improved by the second	ove	
3. Which off a	rea are you tending the chi	ldren ?			Area	
	\Box 1. Raised on the groun	d	\Box 2. On the gr	round		
4. Are there ar	ny pets or the corrals near y	our place	?		Pets	
	\Box 1. Yes	$\Box 2.1$	No			
5. Is there any filthy water near your place ?					Filth	
	\Box 1. Yes	$\Box 2.1$	No			
6. Do you eliminate your rubbish correctly to keep your place hygienic ?					Rub1	
	\Box 1. Yes	$\Box 2.1$	No			
7. What method do you use to eliminate your rubbish ?					Rub2	
	□ 1. Burn □ 2.	Bury	□ 3. Munic	ipality's to collection		
	\Box 4. Other (specify)		🗆 5. Not el	iminate		
8. Where does the defecation place of child ?					Where	
	\Box 1.In the toilet	2. On the	e ground	3. In the forest		
	\Box 4. In the river \Box	5. Other	(specify)			
9. what are your method for cleaning when child defecate on the floor?					Floor	
	\Box 1. Wipe only		\Box 2. Wipe and	I wash with the water.		
	\Box 3. Wipe and wash with s	soap	\Box 4. Use other	method		
\Box 5. Not elimate						

Part 3. Knowledge about the factors which cause Diarrhea Desease.

Explannation : Please mark (/) in front of the number that you regard most valid.	
1. Which has been the cause of Diarrhea Desease ?	Caus
\Box 1. Eating food infected. \Box 2. Going to durty areas without taking shoes on.	
\Box 3.Insect bite \Box 4. Metabolism in children body \Box 5. Not known	
2. What is the carrier of Diarrhea Desease ?	Carr
\Box 1. Fruit fly \Box 2. Mosquito \Box 3. Fly \Box 4. Cockrach \Box 5. Not known	1
3. What is the Symptom of Diarrhea Desease ?	Symp
\Box 1. Excrement is water twice a day \Box 2. Excrement is blood more once a da	у
\Box 3. Excrement is water more than 3 times or blood 1 time/day	
\Box 4. Excrement is water more than 5 times or blood 2 time/day \Box 5. Not know	vn
4. How the Diarrhea Desease transfered?	Tran
\Box 1. By wound \Box 2. By breath \Box 3. By mouth	
\Box 4. By touching the skin \Box 5. Not known	
5. Which of the following statements is not correct for preventing diarrhea Desease ?	Prev
\Box 1.Use toillet every time for elimate the excrement.	
\Box 2. Take on the shoes and prevent insect bite. \Box 3. Washing hands before	e eat.
\Box 4. Eatting the fresh food and drink boil water. \Box 5. Not known	
6. Why is it useful your food to heat ?	Heat
\Box 1. Disinfected \Box 2. Make appetizingly \Box 3. Make more delicious	3
\Box 4. Have more vitamin. \Box 5. Not known	
7. What kind of vaccine could decrease the incidence of Diarrhea Desease in chlidren ?	Vacc
\Box 1. Pertussis \Box 2. Diptheria \Box 3. Polio \Box 4. Measle \Box 5. Not known	
8. Why is it important to washing your hands with soap after using the toilet ?	Wash
\Box 1. Clear faeces \Box 2. Perfume hands \Box 3. Prevent dry skin	
\Box 4. Eliminate germs. \Box 5. Not known	
9. What is the cause of death with Diarrhea Desease in children ?	Deat
\Box 1. High fever and shock \Box 2. Weakness due to not eating.	
\Box 3. Abdominal pain and vomiting \Box 4. Dehydration with Diarrhea	
\Box 5. Not known	

10. Which way is the Desease transfered from cl	nildren patients to o	thers?	Way
\Box 1. From faeces \Box 2. From breath	\Box 3. From swear	t	
\Box 4. From urinate \Box 5. Not known			
11. What is the most effect of Diarrhea Desease	in children?		Effe
\Box 1. Poor Nutrition \Box 2. Less resistance	e to desease Easy fo	or sick	
\Box 3. Developing brian is impaired.	□ 4. Dehydration lo	oss of minerals.	
\Box 5. Not known			
12. If your children have a Diarrhea Desease, he	ow much will you g	ive them to eat ?	Eat
\Box 1. More than normal	\Box 2. Less than norm	nal	
\Box 3. Wait until getting well and give the	nem food as norrnal		
\Box 4. Not give any food.	□ 5. Not known		
13. If your child have had a Diarrhea Desease, h	ow much will you g	ive them to	Drin
drink some water, solution oral rehydrate salt	(ORS), soup rice,	fruit juice?	
\Box 1. More than normal	\Box 2. Less than norm	nal	
\Box 3. Wait until getting well and give the	nem drink as norrnal		
\Box 4. Not give any food	\Box 5. Not known		
14. How do you prepare the easy solution of Ora	al Rehydrate Salt (O	RS) for	ORS
a child patient with diarrhea?			
\Box 1. Use boil water 1 bottle (750 cc),	sugar 2 spoon, salt	¹ / ₂ teaspoon mix to	gether
\Box 2. Use boil water 1 bottle (750 cc),	sugar 5 spoon, salt	2 teaspoon mix toge	ether
\Box 3. Use boil water 1 bottle (350 cc),	sugar 2 spoon, salt	¹ / ₂ teaspoon mix to	gether
\Box 4. Use boil water 1 bottle (350 cc),	sugar 5 spoon, salt	1 teaspoon mix togo	ether
\Box 5. Not known			
15. How long do you keep the solution of Oral F	Rehydrate Salt (ORS) for drink ?	Long
\Box 1. Not more than 24 hr. \Box 2. Not	ot more than 2 days		
\Box 3. Not more than 3 days. \Box 4. Not	otr more than 1 wks.	\Box 5. Not known	
16. Which of the following danger signs in a Dia	arrhea Patient would	indicate	Refer
refer to a Hospital ? (Can answer more tha			
- ``	y vomiting	□ 3. Can't eat or dri	nk
	y weekness	🗆 6. Not known	
	4		

Past 4 Behavior of child cares's for prevention Diarrhea Desease

Explannation : Please mark (/) in front of the number that you regard most valid.

1. How do	. How do you washing your hands before cooking?			
[\Box 1. Wash with soap even	y time.	\Box 2. Wash with water only every time	.
ļ	\Box 3. Wash with soap som	e times.	\Box 4. Wash with water only some time	es
I	5. Don't wash			
2. How do	you washing your hand	s and your child	lren's hands before	Weat
giving t	hem a meal ?			
l	\Box 1. Wash with soap even	y time.	\Box 2. Wash with water only every time	ð.
l	\Box 3. Wash with soap som	e times.	\Box 4. Wash with water only some time	s
l	□ 5. Don't wash			
3. Do you	ever give reheat meals to	your children '	?	Rehe
I	1. Everytime	\Box 2. Often tim	$\square 3. \text{ Some time}$	
I	4. Seldom	\Box 5. Never eat		
4. How do	you washing your hand	s after using the	e toilet ? V	Vtoit
l	\Box 1. Wash with soap even	ytime.	\Box 2. Wash with water only everytime.	
l	3. Wash with soap som	etimes.	\Box 4. Wash with water only sometimes	
l	5. Don't wash			
5. How do	you washing your hand	s after you cle	aned your children's feces ?	Wfece
I	\Box 1. Wash with soap even	ytime.	\Box 2. Wash with water only everytime.	
l	\Box 3. Wash with soap som	etimes.	\Box 4. Wash with water only sometimes	
	5. Don't wash			
6. What ki	ind of milk does your chi	ld drink now?		Milk
I	1. Breast milk (Answ	er choice 7, n	ot answer choice 8 and 9)	
I	2. Can milk (Answ	ver choice 8, n	ot asnwer choice 7 and 9)	
[□ 3. Fresh milk (Answ	er choice 9,n	ot answer choice 7 and 8)	
[□ 4. Other			
	□ 5. Not eating			

7. If your child has breast milk, do you ever washing your breasts before give them?		
\Box 1. Wash with soap every time. \Box 2. Wash with water only every time.		
\Box 3. Wash with soap some times. \Box 4. Wash with water only some times		
\Box 5. Don't wash		
8. If your child has can milk, How do you washing the bottle, nipple and	Bott	
cover before using them again ?		
\Box 1. Wash with soap every time. \Box 2. Wash with water only every time.		
\Box 3. Wash with soap some times. \Box 4. Wash with water only some times		
\Box 5. Don't wash		
9. If your child has fresh milk, do you ever check the expire date?	Fres	
\Box 1. Every time \Box 2. Often time \Box 3. Some time		
$\Box 4. \text{ Seldom} \qquad \Box 5. \text{ Never check}$		
10. What do you do about food or milk keft over night before giving it to a child ?	Over	
\Box 1. Heat every time \Box 2. Often heat \Box 3. Heat some time		
\Box 4.Never heat \Box 5. Never eat		
11. If you have a Diarrhea patient in your house, how do you clean on their dress ?	Clea	
\Box 1. Boil and wash with soap \Box 2. Wash with soap only		
\Box 3. Wash with water only \Box 4. Other		
\Box 5. Do nothing		
12. How often do you cut your child's fingernails ?	Nail	
\Box 1. Twice a week \Box 2. once a week \Box 3. once a for twight we	eeks	
\Box 4. once a month \Box 5. Other		