



Supplement-1: Public Health Students’ Reflection regarding the First Case of Coronavirus Disease 2019 in a University, Southern Thailand

The Situation: What I Faced:

What did public health students face during the COVID-19 situation? Ninety public health students reflected on the COVID-19 situation through their experiences regarding the world situation, Thailand’s situation, their area, and so on. The students’

reflections in this section were used to identify the 186 codes, and 7 sub-themes regarding the COVID-19 situation showed that almost all reflections focused on COVID-19 in the area near the university, the world, and Thailand’s situation. However, their reflections highlighted their knowledge (Table-1).

Table-1: Frequencies and percentages for the sub-theme regarding the COVID-19 situation	
Sub-theme regarding the COVID-19 situation	Code Frequency (Percentage) n(%)
1. COVID-19 cases in their own areas	51(27.4)
2. COVID-19 situation around the world	44(23.7)
3. COVID-19 situation in Thailand	35(18.8)
4. Knowledge regarding the signs and symptoms of COVID-19	22(11.8)
5. Cause of COVID-19	13(7.0)
6. Panic and alert to preventing COVID-19 infection	13(7.0)
7. Lacking personal protection equipment	8(4.3)
Total	186 (100)

The Action: What I Did:

What did public health students do to prevent and control COVID-19? The reflections of the 90 public health students in prevention activities, alert and seeking personal protection equipment, solve problems

based on the situation, communication as a public health professional, surveillance and observation of the at-risk COVID-19 groups, and several emotions such as shocked, afraid, sad and conscious. There were six sub-themes and 154 codes (Table-2).

Table-2: Frequencies and percentages of sub-theme regarding COVID-19 prevention and control activities	
Sub-theme regarding COVID-19 prevention and control activities	Code Frequency (Percentage) n(%)
1. COVID-19 prevention activities	68 (44.2)
2. Alert and seeking personal protection equipment for COVID-19	36(23.4)
3. Following news of COVID-19 to solve problems based on the situation	24(15.6)
4. Communication as a public health professional	10(6.5)
5. Surveillance and observation of the at-risk group of COVID-19	9(5.8)
6. Feeling shocked, afraid, sad and conscious	7(4.5)
Total	154(100.0)

The Result: What Happened?

The data from the students' activities for solving COVID-19 were classified into 109 codes and 7 sub-themes. The percentages showed changed safety behaviors, belief that the COVID-19 outbreak is

increasing, personal protection equipment management, and decreased quality of life, the belief that communication was important, continued surveillance, and decreased risk based on the guidelines (Table-3).

Sub-theme regarding the results from the students' activities for solving COVID-19	Code frequency (Percentage) n(%)
1. Changed safety behaviors	37(33.9)
2. Belief that COVID-19 outbreak increasing	22(20.2)
3. Personal protection equipment management	15(13.8)
4. Decreased quality of life	12(11.0)
5. Communication was important	11(10.1)
6. Continued surveillance	7(6.4)
7. Decreased risk based on guidelines	5(4.6)
Total	109(100)

Reflection of the Result: So What or Now What:

So what with COVID-19's prevention and control of public health students had 109 codes and 19 sub-themes regarding the disease. The five themes showed that personal awareness was the most important,

followed by what people need to know and understand regarding COVID-19, the correct communication can solve COVID-19, public health providers must take clear roles, and social accountabilities are important in this crisis situation (Table-4).

Theme and sub-theme regarding "so what or now what" from the students for solving COVID-19			Code frequency (Percentage) n(%)
Theme-1: Personal awareness is the most important	1. Improvement behavior	16	35(32.1)
	2. Basic prevention, self-care	7	
	3. Personal awareness	7	
	4. Meet a medical doctor	3	
	5. Proximity in their life	2	
Theme-2: What people need to understand regarding the signs of diseases	1. Learning with disease	11	24(22.0)
	2. Continued observation	5	
	3. People need COVID-19 knowledge	4	
	4. COVID-19 knowledge is important	4	
Theme-3: The correct communication can solve COVID-19	1. Be aware of COVID-19 news	10	20(18.3)
	2. Be critical when listening to COVID-19 news	4	
	3. Do not conceal information	3	

	4. Correctly add information	3	
Theme-4: The public health providers must take clear roles	1. Strict prevention and control standards	7	17(15.6)
	2. Role of public health provider	6	
	3. Panic and anxiety	4	
Theme-5: Social distancing is important in this crisis situation	1. Considerate to other humans	6	13(11.9)
	2. Conscious mind	4	
	3. Social responsibility	3	
Total			109(100)