

**Survey questionnaires [ID.01-ASF Retailers]: Assessing impacts of COVID-19 pandemic on animal source food retailers and consumers in Thailand
(English translation)**

A. Participant Information

A1. Type of ASF Retailer: *(select 1 appropriate answer according to the MAIN ASF type is sold)*

1. Pork 2. Poultry (chicken, duck, ...) 3. Beef 4. Fish/Seafood

A2. Gender:

1. Male
2. Female

A3. Year of birth: (e.g. 1980)

A4. Sub-district: **District:**

A5. Area:

1. Urban/Peri-urban
2. Rural

A6. Highest education level:

1. Illiterate
2. Elementary school
3. Secondary school
4. High school
5. Colleges, university, or higher degrees

A7. What is your business type? *(select 1 answer)*

1. Wholesale only
2. Retail only
3. Both retail and wholesale
4. Other (specify):

B. Impact of COVID-19 to ASF Business and Income

B1. At each below period, what is an average amount (estimate) of ASF (Kg) you sell per day? *(fill the amount of ASF type (if any) which you have sold, or you are selling by each period)*

ASF types <i>(any applicable)</i>	At the same time last year <i>(before Feb/Mar 2020)</i>	During partial lockdown <i>(in weeks of April 2020)</i>	At present <i>(from May 2020 to now)</i>
Pork
Poultry (chicken, duck, ...)
Beef
Fish/seafood

B2. At each below period, from whom do you often purchase animal source food type?
(select source type which applied) (unit: Times/week), DK = don't know

Market types, period, and frequency <i>(any applicable)</i>	At the same time last year <i>(before Feb/Mar 2020)</i>						During partial lockdown <i>(in weeks of April 2020)</i>						At present <i>(from May 2020 to now)</i>					
	Every day	3-6 times	1-2 times	<1 time	Never	DK	Every day	3-6 times	1-2 times	<1 time	Never	DK	Every day	3-6 times	1-2 times	<1 time	Never	DK
Farmers																		
Wholesalers/middleman																		
Slaughterhouse																		
Self-provide																		
Others (specify):																		

B3. During partial lockdown (in weeks of April 2020), how easy for you to buy animal source food for selling COMPARED to before COVID-19 outbreak? *(before Feb/Mar 2020, or at the same time last year)*

1. Easier
2. Normal
3. More difficult
4. Do not know

B4. At present (from May 2020 to now), how easy for you to buy animal source food for selling COMPARED to before COVID-19 outbreak? *(before Feb/Mar 2020, or at the same time last year)*

1. Easier
2. Normal
3. More difficult
4. Do not know

B5. At each below period, how many ASF shops (like your meat type) in this market?

Period	Number of shops	Don't know
Before COVID-19 outbreak <i>(before Feb/Mar 2020, or at the same time last year)</i>
During partial lockdown <i>(in weeks of April 2020)</i>
At present <i>(from May 2020 to now)</i>

B6. At each below period, which way and how frequent have you operated the ASF selling? *(times/week)*

Selling way and frequency <i>(any applicable)</i>	At the same time last year <i>(before Feb/Mar 2020)</i>						During partial lockdown <i>(in weeks of April 2020)</i>						At present <i>(from May 2020 to now)</i>					
	Every day	3-6 times	1-2 times	<1 time	Never	DK	Every day	3-6 times	1-2 times	<1 time	Never	DK	Every day	3-6 times	1-2 times	<1 time	Never	DK
Only sell at the market																		
Selling at other places																		
Using online/phone (then deliver to consumers)																		
Others (specify):																		

C2. How do you think COVID 19 spreads?

Content	Very likely	Possible, but not so likely	Not possible	Don't know
1. Through air				
2. Animal contact				
3. Through vector borne (insects: mosquitos, flies, ...)				
4. From a person who is sneezing and coughing				
5. From touching surfaces/objects with respiratory droplets from infected people				
6. From eating livestock products				
7. From eating wildlife products				
8. From contacting healthy people				

C3. What do you think is important to stop the spread of the disease?

Content	Very important	Little important	Not important	Don't know
1. Only staying at home				
2. Not meeting with strangers				
3. Avoid eating wildlife				
4. Avoid eating any animal sourced food				
5. Avoid eating any raw products (salad, fruit)				
6. Washing hands frequently				
7. Covering your mouth and nose while sneezing and coughing				
8. Avoid contact with people if you are having any symptoms				
9. Wear a mask when going out of the house				
10. Do social distancing when going out of the house				
11. Keeping people in quarantine after they returned from risky areas				
12. Keeping those people in quarantine who were in contact with an infected person				

C4. What are you doing to stop the disease yourself?

Content	I try to do this as much as possible	I do this sometimes	I do not do this	Not applicable
1. Only staying at home				
2. Not meeting with strangers				
3. Avoid eating wildlife				
4. Avoid eating any animal sourced food				
5. Avoid eating any raw products (salad, fruit)				
6. Washing hands frequently				
7. Covering your mouth and nose while sneezing and coughing				
8. Avoid contact with people if you are having any symptoms				
9. Wear a mask when going out of the house				
10. Do social distancing when going out of the house				

D. Food Safety Practices and Behaviors

D1. Frequency of food safety practices

Food safety practices	At the same time last year (before Feb/Mar 2020)					During partial lockdown (in weeks of April 2020)					At present (from May 2020 to now)				
	Very often	Often	Some times	Rarely	Never	Very often	Often	Some times	Rarely	Never	Very often	Often	Some times	Rarely	Never
1. Frequency of washing/cleaning your stall/shop															
2. Frequency of disinfection your stall/shop															
3. Frequency of washing your hands															
4. Frequency of disinfection your hands															
5. Wearing gloves?															
6. Wearing mask?															
7. Your ASF is checked for quality by authorities															
8. Eating/drinking at shop															
9. Keep fresh ASF at cool facility or on ice															

D2. Food safety perception and behavior

Items on food safety perception	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Don't know
1. Washing/cleaning shop equipment, facilities reduce my health risk						
2. Disinfection shop equipment and facilities is necessary						
3. Washing and disinfection my hands can reduce my health risk						
4. Washing and disinfection my hands during selling ASF is necessary						
5. Wearing mask can reduce my health risk						
6. Wearing mask is necessary						
7. Food inspection for quality and safety by authorities is necessary						
8. Seller health check is important						
9. My consumers are concerned my health (and not happy) when I wear mask during selling?						
10. My consumers concerning my health (and not happy) when I wear gloves during selling?						

Thank for your participation!