

Appendices

Table 1

The number of samples collected from various studies sites from January 2008-2009

Year	Month	Ward Ped	OPD Ped	PCU Sam Liam	PCU Noan Muang	PCU Sila	PCU Mitra Pab	OPD AE	รวม
2008	Jan	1	-	2	-	-	-	-	3
2008	Feb	1	-	2	-	-	-	-	3
2008	Mar	-	4	-	-	-	-	-	4
2008	Apr	-	1	-	-	-	-	-	1
2008	May	-	3	4	-	-	-	-	7
2008	Jun	-	4	-	1	-	-	-	5
2008	Jul	-	1	-	2	-	-	-	3
2008	Aug	-	2	-	14	-	-	-	16
2008	Sep	-	-	-	8	2	-	-	10
2008	Oct	-	1	2	6	3	4	-	16
2008	Nov	-	-	-	5	20	-	-	25
2008	Dec	-	-	-	10	10	-	17	37
2009	Jan	-	-	-	10	2	3	20	35
Total		2	16	10	56	37	7	37	165

Table 2

The number of samples collected from January 2008 to January 2009 and the number of positive results by rapid test and RT-PCR

Year	Month	No. of samples	Positive for Rapid test (QuickVue)	Positive for RT-PCR*
2008	Jan	3	-	-
2008	Feb	3	1	1
2008	Mar	4	-	-
2008	Apr	1	-	-
2008	May	7	1	1
2008	Jun	5	-	-
2008	Jul	3	-	1
2008	Aug	16	-	-
2008	Sep	10	-	-
2008	Oct	16	2	4
2008	Nov	25	2(Inf.A)+1(Inf.B)	2
2008	Dec	37	3	N**
2009	Jan	35	2	N
Total		165	12	9

Note: * RT-PCR = RT-PCR for Matrix gene of Influenza A, **N = Not tested yet

Figure 1

Flow of information and coordination for AI report and outbreak control

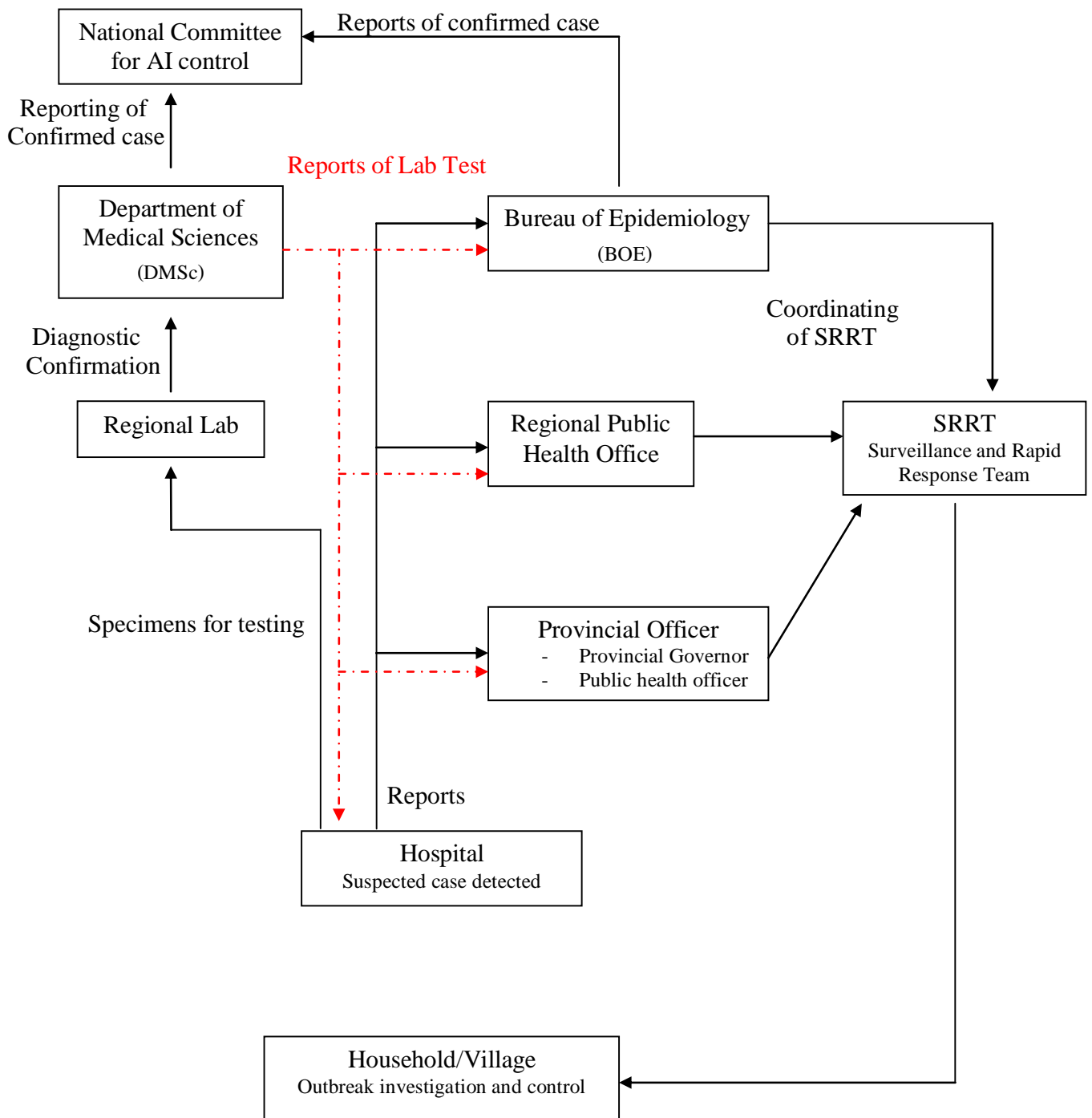
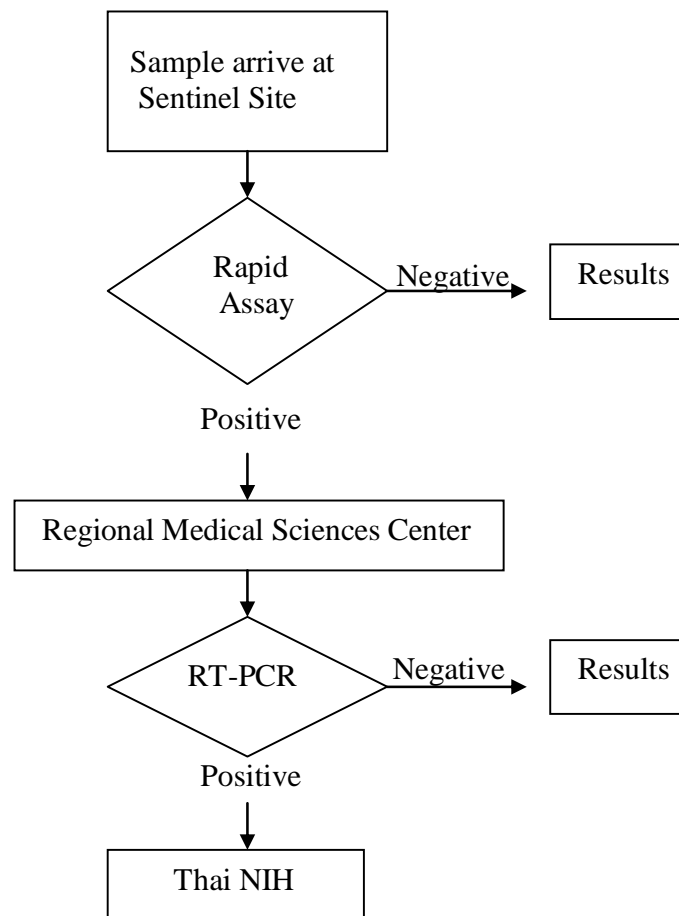


Figure 2

Algorithm of Influenza Process



- ❖ Notify Treating physicians
- ❖ Ask for additional specimens for “inconclusive results”
- ❖ Wait for confirmatory viral cultures for “inconclusive results”
- ❖ Expert panel emergency meeting to make a final conclusion on reporting a positive case

Figure 3 *Map of Sentinel Sites*

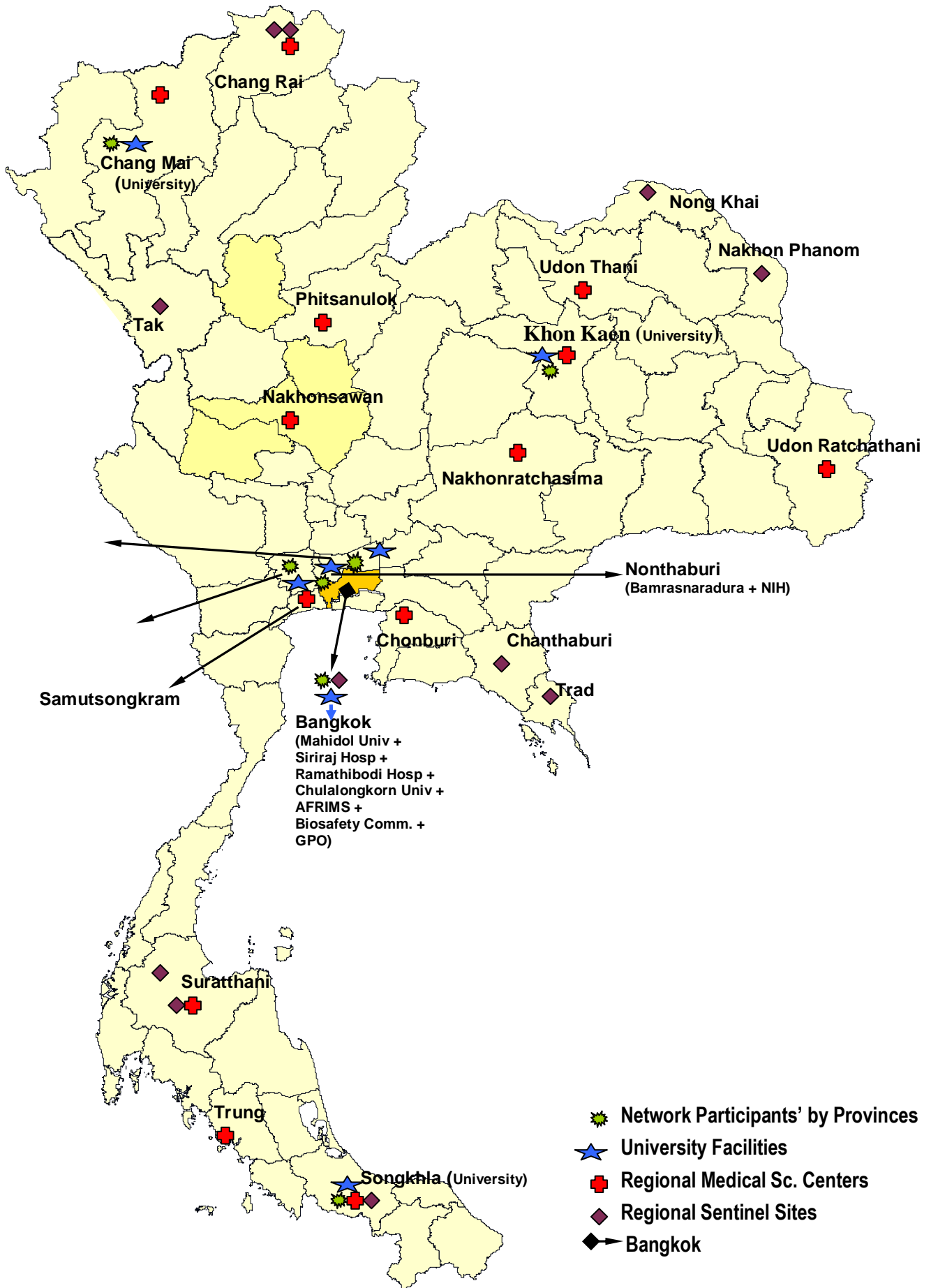


Table 3 Facilities Testing Capabilities and Capacity

Hospital/ Laboratory	Province	Type of Laboratory					Laboratory Testing										Quality Control								Training										
							Rapid Assay (Ag)					PCR - genome	Viral Isolation	Ab Detection	Specimen Processing	Internal QC				External QC		Participate requirement	Interne Usage		Laboratory Facility				No	Yes					
		Laboratory University	Government Hospital	Private Hospital	Research Unit	Center Unit	Quick View	Directigen	Clear View	SD Bioline	Immuno fluorescence	RT-PCR	Real-time PCR	Routine viral culture	Shell vial cell culture	Hemagglutination inhibition	Micro-neutralization	Auto machine	Sample prepare manually	In-House	Commercial	EQA Provider	Others	None	Yes*	No	Yes	No	Yes	No	BSL 3	BSL 2 enhance	BSL3	None	Influenza training
Fac. Medicine, Chulalongkorn U.	Bangkok	/				/			/		/	/					/		/				/	/			/					/	/		
Fac. Medicine Siriraj H, Mahidol U.	Bangkok	/				/			/		/	/					/		/				/	/			/					/	/		
Fac. Assoc. Med. Sciences, Mahidol U.	Bangkok	/			/																		/	/			/				/	/			
Fac. Med. Sciences, (Khon Kaen U.)	Khon Kean	/			/																		/	/			/				/	/			
Fac. Vet. Med (Khon Kaen U.)	Khon Kean	/										/		/									/	/			/								
Fac. of Medicine (Srinakharinwirot U.)	Nakhonnayok	/				/													/				/	/			/			/	/				
Fac. Medicine (Prince of Songkhla U.)	Songkhla	/				/				/		/					/						/	/			/			/	/				
Research Institute (Khon Kaen U.)	Khon Kean	/			/						/												/	/			/			/	/				
Phramongkutklao H.	Bangkok	/				/			/										/				/	/			/			/	/				
Prapokklao H.	Chanthaburi	/						/																											
BMA Medical College & Vajira H.	Bangkok	/			/																														
Research Unit, Ratchathan H.	Bangkok	/				/																													
Nopparat Rajathanee H.	Bangkok	/				/													/				/	/			/			/	/				
Chaiyaphum H.	Chaiyaphum	/						/											/				/	/			/			/	/				
Khon Kaen H.	Khon Kean	/						/																											
Surin H.	Surin	/																																	
Mukdahan H.	Mukdahan	/				/		/																											
Bamrasnaradura Institute	Bangkok	/				/		/																											
Pathumvech H.	Pathumthani	/			/			/																											
Disease Prevention and Control Region 11	Nakhonsithammer at																																		

Table 4 Sample table for future reporting

* Interlab in parallel

Performance Measures

<i>Training System</i>	<i>Training Material Resource & Development</i>	<i>Post Training Capability</i>	<i>Data Recording and Reporting</i>	<i>Chain of Reporting Events</i>	<i>Total Trainees to Date</i>	<i>Geographical Location of Trainees to Date</i>	<i>Training Evaluation</i>	<i>Monitoring and Evaluation</i>
# Training sessions	Needs identification system	Enhanced didactic aptitude	Familiarity of tracking data	Who	# Lab-based Veterinarians	North	Pre training evaluation	Training needs assessment
Scheduled dates, 2007	Training Material development	Enhanced clinical skills	Familiarity of flu surveillance	How	# Field-based Veterinarians	Lower Northeast	Post training evaluation	Curriculum current and updated
Accommodation	Collaborators	Specimen handling and lab transfer	Familiarity with chain of contact	What	# Public Health Officers	Central	Process evaluation	Material in trainees' language
Logistical difficulties	Recent training material review	Confirm suspected cases & follow-up	Reporting for national accuracy	When	# Lab Scientists	Eastern	Positive evaluation feedback	Trainees achieved training goals
Training venue	Pre/Post training analysis	Augment recording and reporting data	Compliance of trainees	Where	# Lab Technicians	South	Negative evaluation feedback	Training practicality at job site
Focus area needs	Pre-Post tests evaluation analysis	Essential supplies Logistics		Identifiable authority/agency	# Admin Staff	South East	Trainees follow-up site visit conducted	Trainees database post-training
Practical session	Inter-agency Collaboration	Activity to augment flu program		Mechanism of action	# IT Staff			Updated trainees tracking
Focused area coverage	Reviews and Publications	Community support			# Others			Inter-agency trainees coalition
Expected #s of Trainees	Co-reviews and publications							Collaboration with related trainings
Actual #s of trainees	Manual publication							Outbreaks input and contribution
# Laboratory scientists # Lab Technicians # Epidemiologist # Technical support staff.								Measureable impact at trainees posting