

出國報告（出國類別：開會）

赴美國阿拉斯加參加美國各州及領
地流行病學家委員會 2016 年度會議

服務機關：疾病管制署

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摘要

本次出國目的為赴美國阿拉斯加安克拉治參加美國各州及領地流行病學家委員會 2016 年度會議 (2016 Council of State and Territorial Epidemiologists Annual Conference)。本次會議於 6 月 18 日至 6 月 23 日假阿拉斯加州安克拉治舉行，會議中討論各種應用流行病學議題，包括「公共衛生監測系統」、「傳染性疾病」、「環境健康」、「慢性疾病與口腔衛生」、「職業衛生」、「公共衛生資訊系統」、「事故傷害」、「物質濫用」等項。本次會議過程中除發表一篇口頭論文報告與一篇海報論文報告之外，並藉由參與會議並與各州代表互動、交誼、討論掌握美國重要新興傳染病現況與分享疫情調查經驗，與國際接軌且拓展本署傳染病防治之國際合作關係。會議結束隨即於隔日返回，未來將持續參與相關的討論與會議。

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目的

本次出國開會目的為赴美國阿拉斯加安克拉治參加美國各州及領地流行病學家委員會 2016 年度會議（2016 Council of State and Territorial Epidemiologists Annual Conference）。本次會議於 6 月 18 日至 6 月 23 日假阿拉斯加州安克拉治舉行，會議中討論各種應用流行病學議題，包括「公共衛生監測系統」、「傳染性疾病」、「環境健康」、「慢性疾病與口腔衛生」、「職業衛生」、「公共衛生資訊系統」、「事故傷害」、「物質濫用」等項。報告人目前正於美國疾病控制與預防中心（CDC）接受兩年傳染病防治與流病調查研習（EIS），經研習單位主管推薦參與本次會議，作為訓練過程的一部分，學習相關應用流行病學方法，並與來自全美各地之流行病學家交流，獲取新知。

會議簡介

美國各州及領地流行病學家委員會（CSTE）是在 1955 年時由美國各州與領地的公共衛生流行病學家所組成，並在 1992 年正式成立。總部位於亞特蘭大。CSTE 主要的工作是透過資訊分享、教育訓練以及研究發展等方式推動相關的公共衛生政策以及培植未來的應用流行病學家。CSTE 的會員來自全美各地，特別是以地方衛生單位為主，領域包含職業衛生、傳染性疾病、環境衛生、慢性疾病、事故傷害預防、婦幼健康等。CSTE 也長期與 CDC、美國衛生部以及其他單位合作，制訂公共衛生監測系統的通報標準，以及慢性疾病的追蹤指標。

CSTE 每年召開一次年會，地點則固定在當年度 CSTE 主席所在的州舉辦。本年度是在阿拉斯加州的最大城市安克拉治舉行。本次會議有共計超過 1400 名的公共衛生流行病學家與會，會議內容包括工作坊、特別演講、口頭論文報告、圓桌會議、海報論文發表等等。參與的專家包括了健康資訊、傳染性疾病、預防接種、環境健康、職業健康、慢性疾病、傷害控制、婦幼健康等領域的公共衛生監

測與流病工作者，是一個絕佳的交誼與學習機會。

會議前準備

此次會議接受論文投稿，截止日期為今年元月份。在受訓單位主管的協助與鼓勵之下，共計投稿兩篇論文分別為：“Occupational Risk Factors among Cryptosporidiosis Case Nebraska, 2010-2014” ” All Non-Standard Employment Arrangement Are not Created Equal : Data from the 2010 National Health Interview Survey” ，幸運的分別被接受為口頭報告以及海報發表。第一篇文章主要是探討 Cryptosporidiosis 的職業危險因子。此疾病藉由寄生蟲感染人體，傳染性高。研究發現在 2010 年至 2014 年間，在 Nebraska 州約有一成二的個案具有職業危險因子。其中最多的是農夫、獸醫等職業性動物接觸者，其次為醫療人員以及兒童照顧者。最後則是職業性污水暴露工作者。這些高風險的職業工作者需要進一步的教育以及風險溝通，包括工作時適當的防護措施、早期辨認相關症狀提早就醫等。醫療人員也應常規詢問病患之職業以作為診斷相關疾病的參考依據。

另一篇口頭報告則是有關非傳統受雇工作者的研究。相較於傳統受雇的薪水工作者，目前非傳統的工作者比例有逐年增高的趨勢。這類工作者包括自由接案的工作者，外包的合約工作者，臨時工等等。過去的研究顯示這類工作者發生職業傷害的風險較高，但其一般健康狀況則缺乏相關研究加以探討。本次研究利用美國 2010 年全國健康訪問調查（National Health Interview Survey）資料庫，發現該年度有 17.8% 的工作者為非傳統受雇工作者。其中以自由工作者比例最高，佔 9.6%。這些非傳統受雇者的特色包括，較高比例無健康保險、收入較低、較低比例為白種人等。這些資料可於我們未來設計相關工作者研究以及訂立相關準則時提供參考。

在單位主管以及同事的協助之下，我順利於出發前完成海報印製以及口頭發

表的練習。6月18日由辛辛那提搭乘達美航空班機出發，經鹽湖城轉機後抵達安克拉治。抵達時當地時間約為晚上十點半，但由於緯度關係，太陽仍未下山，隨即搭乘計程車至旅館休息，準備隔日的會議。

會議過程

會議前課程

大會在會議開始前的週日，安排了一系列的課程，免費讓與會者報名參加。內容包含了公共衛生的各個領域，例如利用 Whole Genome Sequencing 來協助食媒疾病的群聚調查，氣候變遷與公共衛生的影響，預防院內感染等等。CDC 的 Epi info 軟體團隊也為了推廣這個軟體，特別舉辦工作坊教學。我所參加的課程內容是職業安全衛生的監測，內容十分充實。首先由 NIOSH 阿拉斯加工作站的工作人員說明本州職業安全的現況。Alaska Field Station 在 1991 年成立，目的是為了降低當地的職業安全危險因子，利用公共衛生模式來進行預防職業傷害的研究。本地最著名的漁撈業，雖然帶來大筆財富，但工作人員溺水以及外傷的比例也相當高。工作站成立後首先進行危險因子的分析，實地跟隨工作人員出海瞭解實地狀況，並從事救生裝備的改良研究，利用不同管道宣傳正確使用救生器具的重要性。多年努力後已經成功降低漁民的職業傷害發生比例。此外由於地廣人稀，阿拉斯加有許多城鎮必須靠小型飛機或是直昇機來進行補給，飛行員過勞造成飛機墜機傷亡的情況時有所聞。經過研究以及與當地工會的合作，也成功減少此類傷亡事件的發生。

接下來是有關於利用電子病歷 (Electronic Health Record, EHR) 收集職業相關資訊的課程。在現代化的醫療照顧系統內，電子病歷已是大勢所趨。公共衛生的監測系統當然也需要隨著時代改變，利用標準化的電子病歷格式 HL7 以及診斷碼 ICD-10 系統，自動上傳資料並完成分析。由於每一州的醫療機構其電子病歷普及程度並不一致，於是 NIOSH 利用此一機會，分享幾個成功的經驗，讓各

州的伙伴能夠試著在自己的地區推廣這一套系統與方式。

除了演講之外，工作坊也安排了一些較為輕鬆的課程，以座談對話的方式，請各州負責職業健康項目的負責人經驗分享，並提出問題供大家討論解惑。這對於新進人員是一個非常實用的入門課程。此外，加州衛生部也分享他們在預防職業傷害上所做的努力，包括發現問題、進行研究提出證據、與各關係單位分享資訊，以及製作宣傳影片傳播相關訊息等。美國幅員遼闊，每個州其實都有其獨特的環境以及公共衛生問題，與其套用既有的疾病預防模式，不如找出屬於本身的特色，才能解決本地居民的問題。

課程的最後則是項目的評估。Program Evaluation 是公共衛生計畫中相當重要的一部分。講師們從 CDC 所提供的評估資源開始說明，談到短期、中期、長期的目標規劃，結果評估以及公眾溝通的方式等一一加以說明，最重要的目標其實就是要問自己，是否有做到當初所承諾的事？經過一整天的工作坊下來，對於美國職業健康安全監測的整體瞭解可說又更進了一步。課程結束之後，不可少的是社交活動時間，晚餐大夥聚集在餐廳裡，由資深的夥伴介紹新朋友，大家分享工作的點滴與經驗，氣氛十分融洽。

會議議程摘要

周一開始進入正式會議階段。每天的行程十分的緊湊，首先早上七點半大會開始前就開始的是各小組的圓桌會議(Roundtable Sessions)，分為慢性病、傳染病、職業衛生、疾病監測、環境衛生、物質濫用與心理衛生等小組，針對各自議題進行小組討論。圓桌會議在中午休息時間以及下午大會結束後都還有議程。這部分其中最廣為人知的就是針對報告傳染病討論之 Infectious Disease Position Statements 的 Roundtable 討論。以下簡要介紹其內容。

美國通報疾病監測系統(National Notifiable Diseases Surveillance System (NNDSS))的病例定義，並不像台灣的法定傳染病是由中央主管機關訂定。

每一州根據本身的需求不同，會有不同的通報疾病清單。CSTE 建議各州將部分疾病通報到 CDC 的 NNDSS 系統。每年 CSTE 年會則是會進行相關的討論，修改通報疾病清單，並根據各州的建議，修改相關的病例定義，於是每年年會的重頭戲之一就是 Position Statement 討論會議。今年也不例外，在此次會議中，Steering Committee 的成員針對 Zika Virus Disease and Zika Virus Infection Without Disease，特別是 Congenital Infections Case Definitions 有很深入的討論。針對其中部分有爭議的地方，則是利用現場投票表決的方式來解決。其他討論的疾病還包括 Histoplasmosis、Salmonellosis、Shigellosis、Vibriosis、Free-living Amebae Infections 等。在 Steering Committee 委員會做出決議後，再經由年會最後一天上午的 Business Meeting 做最後表決確認。表決通過之後的所有的 position statement 則成為 CSTE 的正式文件，公布於網站。由各州衛生部門開始收集資訊並通報到 CDC 的 NNDSS 系統之中。

大會在每天早上都安排了兩位專家來進行專題演講，第一天為阿拉斯加州健康部門與司法部門的主管，談阿拉斯加特殊的歷史與文化環境所帶來的健康挑戰。阿拉斯加被稱為美國最後的邊疆，當地原住民在白人為主的社會中，長期面對著健康不平等的問題，包括結核病的發生率高、貧窮與酒精等物質濫用的比例明顯偏高，地廣人稀造成醫療可近性不足等等。此外，全球暖化氣溫上升對於此地氣候的影響，則造成部分偏遠地區不再適合居住，當地原住民必須集體遷村，這對於居民也帶來很大的衝擊。之後的專題演講則包括了 Food and Drug Administration(FDA)的副主任報告近期地方流行病學者所關心的議題，包括食品安全與營養、基因改造食物與抗生素抗藥性等議題。University of California Irvine 的教授 Susan S. Huang 則是以她參與當地醫院抗生素管制的經驗，說明如何於區域內促成合作以避免 Multi-Drug Resistant Organisms (MDRO)，藉由病患轉院而傳播。第三天則是請到新墨西哥州與印第安那州的州主任流行病學家，針對物質濫用的疾病負擔、介入措施與預防方式，以及去年印第安納州共用針頭造成 HIC 以及 HCV 爆發流行，分享其經驗。會後也有許多來自其他地方的與

會者詢問包括提供免費解毒藥物以及針頭交換計畫等執行細節。可見此一問題之嚴重性確實已不容小覷，值得我們多加關注。

論文發表摘要

其餘大會時間則是進行分組口頭論文報告以及海報論文發表。內容十分多樣化，可以發現與其他一般學術會議不同的是，CSTE 的年會特別重視在地的特色，包括地方發生疾病群聚處理的經驗，建立本地監測系統，分析疾病趨勢，與建立健康醫療相關資料庫等等。以下簡要摘錄三篇令我印象深刻的論文報告。

喬治亞州報告了一起罕見的非結核分枝桿菌群聚感染事件。於 2015 年九月份，當地衛生部門收到數例兒童感染 *M. ABSCESSUS* 的個案。這些個案都有在過去的一年內到該地的某牙醫診所進行齶齒的治療或拔牙。為了調查此一群聚事件，衛生部門調閱並通知過去一年內曾到該診所治療的病患們，結果總計發現了 22 個病例。這些個案平均年齡為七歲，所有個案均有在該診所進行治療。症狀包括了局部疼痛、牙齦或面部疼痛、淋巴病變或骨髓炎等。這些病患接受了局部清創或引流等手術治療，並需要接受長期的抗生素療程。在環境調查的結果中，發現該牙醫診所的治療台自來水均被檢驗出此一細菌，且經脈衝式電泳 (pulsed-field gel electrophoresis; PFGE) 方式確認與病患體內所發現的細菌屬於同一菌株。由於 *M. ABSCESSUS* 此一細菌對多種抗生素均有抗藥性，治療時間長，並且可能存在於水系統中的生物膜(Biofilm)上，造成清除困難，過去已曾多次造成醫療機構內的群突發事件。但是在牙醫診所內的群突發感染則還是第一次發生。由這起事件我們可知，牙醫診所內的水源必須定期加以監測並進行消毒。必要時可加裝過濾器以避免可能的汙染。所有牙醫診療程序必須遵守相關的感控建議並定期追蹤。

雖然根據美國 ACIP 的建議，所有年齡大於六個月，無相關禁忌症的人皆建議接種流感疫苗。但過去資料顯示，18-49 歲的成年人其接種比例並不理想。以

2013-14 年為例，此一年齡層的接種率為 32.3%。一般來說，成年人的接種比例隨著年齡上升增加，且女性多於男性。過去研究發現，許多健康相關生活品質因子(Health Related Quality of Life, HRQOL)包括心理健康、生理健康以及情緒健康等層面均可能影響流感疫苗的接種行為，進而影響健康結果。本研究利用美國 CDC 每年定期進行的 The Behavioral Risk Factor Surveillance System (BRFSS)調查，分析其中數個社會決定因子與是否接種流感疫苗之間的相關性。結果發現，男性相較於女性，其接種疫苗的比例較低。此外，包括未婚者、無健康保險者、飲酒者、較低收入及較低教育程度者，其接種疫苗的比例均較低。此一具有全國代表性的研究，可以幫助我們了解疫苗接種的族群差異，並設計出更多樣性的疫苗接種策略，針對不同特色的族群進行推廣，以有效增加疫苗接種的比例，減少疾病發生。

紐澤西州衛生部門報告了一起去年發生的一起流感疫苗接種錯誤事件。該名護理人員隸屬於某間健康服務公司，受委託至某公司為其員工接種流感疫苗。當天預定為員工接種的為單一劑型之流感疫苗，但護理人員卻錯誤攜帶了原本為其他單位所預定的三支多劑型疫苗(10 doses/vial)。在抽藥時，她僅使用了兩支針筒為全部 67 名員工進行接種，導致所有接種者除了所接受藥物的劑量不足之外，且有暴露於血液傳染疾病之風險。在得知事件後，衛生部門立即與 CDC 聯絡，決定對所有接種者進行 HBV、HCV 與 HIV 的檢驗，提供 HBV 疫苗的暴露後預防注射，以及重新接種流感疫苗。地方衛生單位利用 EMAIL 通知接種者，並與地方診所合作提供免費檢驗與疫苗接種服務。約有八成的接種者完成檢驗，該名護理人員則自願繳出執照停業。此一事件特殊之處在於事發當天衛生單位即接到通知，因此可以迅速處理，以免事態擴大。大規模疫苗接種時，提供服務的單位以及接受服務的單位都應確實遵守 CDC 對於疫苗運輸、儲存以及接種的相關準則與建議，以確保安全。

在順利完成口頭報告與海報發表之後，隨即於周三晚間搭乘達美航空班機，經西雅圖轉機，於周四上午抵達辛辛那提機場，完成此次任務。

心得與建議

1. 本次會議特別感謝預醫辦羅一鈞醫師與署內長官的協助與支持方能成行。
2. CSTE 年會對於應用流行病學各領域皆安排相關課程以及論文發表，特別是看到美國各州能夠分享彼此經驗，交流研究結果，感到受益良多。此次與會對於了解美國公共衛生系統，特別是中央與地方的關係特別有幫助。
3. 雖然主要工作在疾病管制署，專長是在傳染病領域的工作，但對於其他包括職業疾病、慢性疾病、事故傷害等領域仍應定期充實相關知識，特別是疾病防治、食品衛生以及衛生教育等領域，皆有相通之處，值得多加學習並吸取相關經驗。
4. 參與本次會議之中發現，美國各州衛生單位平日工作並不以學術研究或論文發表為第一要務，但對於 CSTE 會議均相當重視，利用此一機會向同儕展示平日工作的成果，分享交流經驗並獲取新知。推展計畫時就以未來能夠發表來做事前規劃，並加以定期追蹤，最後評估整體成效。這點值得我們效法。
5. 建議繼續補助本署同仁進行與業務相關的研究或整理相關政策，將成果發表於國際會議及相關期刊，以增加本署國際能見度與同仁國際觀。
6. 本署可藉由每年全國防疫大會的機會，與地方衛生單位與其他相關衛生單位，建立類似的溝通平台與成果分享機制，交換相關訊息，促進彼此交流並增加對於其他公共衛生領域的瞭解。

附錄一：會議議程

SUNDAY ▼ JUNE 19

DAILY GLANCE

Dena'ina Convention Center			
Start	End	Room	Function
7:00am	4:00pm	Lobby	Registration and Check-In
7:00am	9:00am	Exhibit Hall Section 1	Coffee/Tea Service
7:00am	4:00pm	Exhibit Hall Section 1	Networking Hall
7:30am	4:00pm	Show Office 126	Position Statement Office
7:30am	4:00pm	Exhibit Hall Section 1	Business Office/Speaker Ready
10:00am	10:30am	Exhibit Hall Section 1	AM Break
3:00pm	3:30pm	Exhibit Hall Section 1	PM Break
3:00pm	3:30pm	Exhibit Hall Section 1	Poster Presentations

EVENING EVENT

6:00pm-7:00pm ▼ Aleutian/Alaska Ballroom ▼ Hilton Hotel

FELLOWSHIP GRADUATION CEREMONY

Open to all attendees. During the event, CSTE will recognize the work of our fellowship programs. Attendees will enjoy a cash bar with light hors d'oeuvres. RSVP is required at registration to attend.

9/18/19 ▲ 7:00pm ▼

SUNDAY ▼ JUNE 19

PRE-CONFERENCE SESSIONS

Dena'ina Convention Center			
Start	End	Room	Function
8:00am	12:00pm	Boardroom	Improving Food Safety through Advanced Molecular Detection: Update on Whole Genome Sequencing's Role in Foodborne Disease Outbreak Investigations
8:00am	4:30pm	Kahtnu 2	The Reality of Working in Occupational Health and Safety Surveillance
8:15am	4:15pm	Kahtnu 1	Climate and Public Health: An Interdisciplinary One Health Approach with a focus on Alaska
8:30am	5:00pm	Tikahtnu D	Applied Surveillance of Substance Use Disorders: Lessons from the Field
8:30am	4:30pm	Tubughnenq' 4	Data Driven Community Health Assessment and Improvement
8:30am	5:00pm	Tikahtnu A	Electronic Case Reporting: The Surveillance Gold Rush
8:30am	5:00pm	Tikahtnu E	Expanding our Focus: Emerging Methods to Incorporate Populations Underrepresented in MCH Analysis and Reporting
8:30am	5:00pm	Tikahtnu C&F	National Meeting of Influenza Surveillance Coordinators
8:30am	5:00pm	Tubughnenq' 3	Where is the Burden and What Does it Cost? Advanced Methods Using GIS and Tools for Applied Health Economics
8:45am	4:30pm	Tikahtnu B	Healthcare Associated Infections (HAI) Prevention Workshop
9:00am	5:00pm	Tubughnenq' 5	Epi Info™ 7: A Users Workshop
1:00pm	5:00pm	Boardroom	Palantir System for Enteric Disease Response, Investigation, and Coordination (SEDRIC) Training

2016 CSTE CONFERENCE 10 JUNE 19-23 ANCHORAGE

MONDAY ▼ JUNE 20

ROUNDTABLE SESSIONS

7:30am-8:15am ▼ Egan Convention Center		
Room	Committee	Session
Summit Hall 11&12	Chronic Disease/MCH/ Oral Health	Strengthening MCH Partnerships: Lessons Learned from a Joint Project of the Pregnancy Risk Assessment Monitoring System and the W.K. Kellogg Foundation
Summit Hall 9&10	Cross Cutting I	Tribal Epidemiology Roundtable
Summit Hall 4	Cross Cutting II	The Centers for Disease Control and Prevention's Animal Importation Regulations
Exhibit Hall Section 1 (Dena'ina)	Cross Cutting III	Fellowship Mentor Coffee Break
Summit Hall 7&8	Environmental Health	Towards a National Pollen Monitoring Network: A Report from CSTE's Asthma and Allergy Workgroup
Summit Hall 1	Infectious Disease I	Members-Only Infectious Disease Position Statements Roundtable I
Summit Hall 13&14	Infectious Disease II	Managing Rare but Life-Threatening Diseases in State and Local Health Departments: Working with CDC to Improve Surveillance and Support for Free-Living Ameba Infections
Summit Hall 3	Occupational Health	Occupational Health Indicators Workgroups Meeting
Summit Hall 5	Surveillance/ Informatics I	Development of an Early Warning System in Outbreak Investigations: What Indicators Are Useful?
Summit Hall 2	Surveillance/ Informatics II	?Donde Estaba Waldo.....Eh? Update on the Binational Case Variable and Communication Protocol

2016 CSTE CONFERENCE 14 JUNE 19-23 ANCHORAGE

monday ▼ 6:20:16

MONDAY ▼ JUNE 20

DAILY GLANCE

Dena'ina Convention Center			
Start	End	Room	Function
7:00am	4:00pm	Lobby	Registration and Check-In
7:00am	9:00am	Exhibit Hall Section 1	Coffee/Tea Service
7:00am	4:00pm	Exhibit Hall Section 1	Networking Hall
7:30am	4:00pm	Show Office 126	Position Statement Office
7:30am	4:00pm	Exhibit Hall Section 1	Business Office/Speaker Ready
10:00am	10:30am	Exhibit Hall Section 1	AM Break
3:30pm	4:00pm	Exhibit Hall Section 1	PM Break

EVENING EVENT

6:30pm-8:30pm ▼ Alaska Native Heritage Center

OPENING RECEPTION

Open to all attendees and is an excellent opportunity to connect with colleagues. Attendees will enjoy a cash bar with light hors d'oeuvres. RSVP is required at registration and no later than Friday, June 10, 2016 to attend. Guests registered for the conference may attend the reception or a guest fee for admission applies. Shuttle service will be provided to and from venue with details on schedule and stops provided prior to the event.

monday ▼ 6:20:16

MONDAY ▼ JUNE 20

ROUNDTABLE SESSIONS

7:30am - 8:15am ▼ Egan Convention Center

Room	Committee	Session
Summit Hall 11&12	Chronic Disease/MCH/ Oral Health	Strengthening MCH Partnerships: Lessons Learned from a Joint Project of the Pregnancy Risk Assessment Monitoring System and the W.K. Kellogg Foundation
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Summit Hall 5	Surveillance/ Informatics I	Development of an Early Warning System in Outbreak Investigations: What Indicators Are Useful?
Summit Hall 2	Surveillance/ Informatics II	¿Donde Estaba Waldo.....Eh? Update on the Binational Case Variable and Communication Protocol

2016 CSTE CONFERENCE 14 JUNE 19-23 ANCHORAGE

POSTER SESSIONS

Dena'ina Convention Center

10:00am - 10:30am ▼ Exhibit Hall Section 1

BREAKOUT SESSIONS

10:30am - 12:00pm ▼ Dena'ina Convention Center

Room	Committee	Session
Tubughnenq' 4	Chronic Disease/MCH/ Oral Health I	It's the Climb: Unique Methods to Measure Health Equity and Disparities
Tubughnenq' 3	Chronic Disease/MCH/ Oral Health II	Rapid-Fire PRAMS
Tubughnenq' 5	Cross Cutting	Rapid-Fire Going Rogue with Preparedness, Law, and Tribal Epidemiology
Tikahtnu E	Environmental Health	Not the Usual Suspects: Chemical Contaminants and Effects on Health Outcomes
Tikahtnu A	Infectious Disease I	Rapid-Fire Vaccine Preventable Diseases & Influenza/Respiratory Diseases
Tikahtnu B	Infectious Disease II	Rapid-Fire HIV & STD
Kahtnu 2	Infectious Disease III	Rapid-Fire Enterics I
Kahtnu 1	Injury	Motor Vehicle, Firearm and Intimate Partner Injuries
Tikahtnu D	Occupational Health	CSTE Occupational Health Surveillance Subcommittee Meeting
Tikahtnu C&F	Surveillance/ Informatics I	CDC Program Support of the CDC Surveillance Strategy and the NINDSS Modernization Initiative (HMI)
Boardroom	Surveillance/ Informatics II	Mush! Driving Syndromic Surveillance and Surveillance Methods Forward

2016 CSTE CONFERENCE 16 JUNE 19-23 ANCHORAGE

MONDAY ▼ JUNE 20

ROUNDTABLE SESSIONS

1:00pm - 1:45pm ▼ Egan Convention Center

Room	Committee	Session
Summit Hall 11&12	Chronic Disease/MCH/ Oral Health	CD/MCH/OH Steering Committee Updates - <i>New Members Welcome</i>
Summit Hall 9&10	Cross Cutting	Epidemiology Methods Subcommittee Meeting - <i>New Members Welcome</i>
Summit Hall 7&8	Environmental Health	CSTE Disaster Epidemiology Subcommittee: Impacting Disaster Preparedness, Response and Recovery Using Epidemiology
Summit Hall 5	Infectious Disease I	Members-Only Infectious Disease Position Statements Roundtable II
Summit Hall 1	Infectious Disease II	HAI/ AR Programs
Summit Hall 13&14	Infectious Disease III	Underdiagnosed and Underappreciated: Improving Surveillance and Our Understanding of U.S. Endemic Fungal Infections – Blastomycosis, Coccidioidomycosis, and Histoplasmosis
Summit Hall 3	Occupational Health	Census of Fatal Occupational Injuries: Issues and Initiatives
Summit Hall 4	Substance Abuse	Substance Abuse Epidemiology Roundtable
Summit Hall 2	Surveillance/ Informatics	CDC Support for Integrated Surveillance Activities in State and Local Health Agencies (12:45-2:00pm)

monday ▼ 6:20:16

monday ▼ 6:20:16

BREAKOUT SESSIONS

2:00pm - 3:30pm ▼ Dena'ina Convention Center

Room	Committee	Session
Tubughnenq' 4	Chronic Disease/MCH/ Oral Health	Putting Health on the Map: Applying Spatial Analysis Tools for Public Health
Tubughnenq' 5	Cross Cutting	Publishing in Today's MMWR: Widely Read, Well Respected
Tikahtnu E	Environmental Health	National Spotlight on Lead
Tikahtnu A	Infectious Disease I	Rapid-Fire Healthcare-Associated Infections
Tikahtnu B	Infectious Disease II	Exploring the Broad Frontiers in Zoonotic and Vectorborne Diseases
Kahtnu 1	Infectious Disease III	Game of (Porcelain) Thrones: Environmental Health Poo-Pourri
Tikahtnu D	Injury	Innovative Methods for Surveillance of Injury and Substance Abuse Events
Kahtnu 2	Occupational Health I	Scaling High Peaks: Progress in Preventing Pesticide and Chemical Exposures
Tubughnenq' 3	Occupational Health II	Rapid-Fire It's a Sprint, Not the Iditarod
Boardroom	Surveillance/ Informatics I	Twin Peaks: Getting a Closer Look into EHRs and Registries
Tikahtnu C&F	Surveillance/ Informatics II	Reportable Conditions Knowledge Management System (RCKMS): A Survival Tool for the New Frontier

MONDAY ▼ JUNE 20

ROUNDTABLE SESSIONS

5:45pm - 6:30pm Egan Convention Center		
Room	Committee	Session
Summit Hall 11&12	Chronic Disease/MCH/ Oral Health	Contribution of the National Mentorship Program in Applied Chronic Disease Epidemiology to Public Health Capacity Building
Summit Hall 9&10	Cross Cutting I	Providing Public Health Resources and Technical Assistance to American Indian Tribes and Alaska Native Villages: A Twenty Year Perspective from the Tribal Epidemiology Centers
Summit Hall 3	Cross Cutting II	Filling the Gaps: Strategies for CDC's Epidemiology and Laboratory Capacity for Infectious Diseases (ELC) Cooperative Agreement
Summit Hall 7&8	Environmental Health	Implementing Measures for the Primary Prevention of Legionnaires' Disease: A Discussion of Strategies
Summit Hall 1	Infectious Disease I	Scaling the "Second Peak": Implementing a Viral Hepatitis C Pilot Program Targeting the Young, High-Risk Population
Summit Hall 13&14	Infectious Disease II	Updates to the National Compendium of Animal Rabies Prevention and Control, 2016
Summit Hall 5	Infectious Disease III	Coordinating and Enhancing Antimicrobial Resistance Surveillance Across Settings
Summit Hall 6	Infectious Disease IV	<i>Sponsored by Skoll Global Threats Fund</i> Flu Near You - Leveraging Crowdsourced Data for Public Health Surveillance
Summit Hall 4	Surveillance/ Informatics I	Surveillance/Informatics Steering Committee Meeting - <i>New Members Welcome</i>
Summit Hall 2	Surveillance/ Informatics II	EpiTrax Uses Roundtable

monday ▼ 6.20.16

TUESDAY ▼ JUNE 21

ROUNDTABLE SESSIONS

7:30am - 8:15am Egan Convention Center		
Room	Committee	Session
Summit Hall 9&10	Cross Cutting I	Poison Center and Public Health Collaboration Community of Practice
Summit Hall 4	Cross Cutting II	Improving State and Local Epidemiology Capacity: Creating a State Health Department Research/Investigations Workgroup
Summit Hall 7&8	Cross Cutting III	Evaluating and Monitoring the Quality of Health Surveillance Systems with Multi-Criteria Value Analysis
Summit Hall 1	Infectious Disease I	Vectorborne Diseases Subcommittee Meeting
Summit Hall 13&14	Infectious Disease II	HAI Data Analysis and Presentation Standardization (DAPS) Toolkit: Updates and Implementation
Summit Hall 11&12	Infectious Disease III	Bacterial Enteric Disease Surveillance in the Era of Culture-Independent Diagnostics
Summit Hall 3	Occupational Health	Presumptive Coverage Laws: Overcoming the Neglect of Occupational Diseases in Workers Compensation
Summit Hall 5	Surveillance / Informatics I	Health Department Feasibility, Acceptability and Potential Application of Google Trends as a Surveillance Method for STIs
Summit Hall 2	Surveillance / Informatics II	A Reporting Portal System to Capture, Store and Analyze Animal Bite Data
Summit Hall 6	Surveillance / Informatics III	<i>Sponsored by Bitscopic, Inc.</i> Mastering the Data Haystack: Unifying Data Across Silos for New Insights

tuesday ▼ 6.21.16

2016 CSTE CONFERENCE 24 JUNE 19-23 ANCHORAGE

TUESDAY ▼ JUNE 21

BREAKOUT SESSIONS

10:30am - 12:00pm Dena'ina Convention Center		
Room	Committee	Session
Tubughnenq' 4	Chronic Disease/MCH/ Oral Health	What's New? Innovative Epidemiologic Approaches to Identifying Disparities and Trends in Chronic Disease
Tubughnenq' 5	Cross Cutting	Drill (Down into the Data), Baby, Drill
Tubughnenq' 3	Environmental Health	Rapid-Fire All Things Considered Environmental Health
Tikahtnu A	Infectious Disease I	Rapid-Fire Hepatitis
Tikahtnu B	Infectious Disease II	Farm to Table to Toilet: High Profile Foodborne Disease Outbreaks from 2015
Kahtnu 1	Infectious Disease III	Set Phasers to Fun: Learn What's New with Respiratory Disease
Kahtnu 2	Injury	Rapid-Fire Injury
Tikahtnu D	Occupational Health I	OHI Have the Persistence of an Iditarod Musher to Reduce Disparities
Tikahtnu E	Occupational Health II	Using Workers' Compensation Data to Reveal the Grizzly Cost of Work-Related Injuries and Illnesses
Boardroom	Surveillance / Informatics I	Glacier Thawing of Antimicrobial Resistance Surveillance
Tikahtnu C&F	Surveillance / Informatics II	A Kodiak Moment: A Snapshot of Non-Infectious Disease Surveillance

tuesday ▼ 6.21.16

TUESDAY ▼ JUNE 21

ROUNDTABLE SESSIONS

1:00pm - 1:45pm Egan Convention Center		
Room	Committee	Session
Summit Hall 11&12	Chronic Disease/MCH/ Oral Health	Maximizing the Impact of Your Data: Making Better Infographics
Summit Hall 9&10	Cross Cutting	Continuing the Conversation: Drug Diversion in Healthcare Facilities and Defining the Role of Public Health
Summit Hall 7&8	Environmental Health	Emerging Tickborne Diseases
Summit Hall 1	Infectious Disease I	Feedback on CIFOR Guidelines and Toolkit Training Efforts
Summit Hall 13&14	Infectious Disease II	Hepatitis C Subcommittee Meeting
Summit Hall 6	Injury/Substance Abuse I	Injury Indicators: Updating Methodology to Reflect the ICD-10-CM Transition
Summit Hall 4	Injury/Substance Abuse II	CSTE Marijuana Subcommittee Meeting
Summit Hall 3	Occupational Health	CSTE Environmental/Occupational/ Injury Steering Committee Update - <i>New Members Welcome</i>
Summit Hall 5	Surveillance/ Informatics I	Public Health Agencies (PHAs): Get Ready for Stage 3 Meaningful Use Public Health Reporting Requirements
Summit Hall 2	Surveillance/ Informatics II	Using Syndromic Surveillance Data to Inform Non-ID Programs Strategies and Policies
Exhibit Hall Section 1 (Dena'ina)	Surveillance/ Informatics III	CDC/CSTE Antimicrobial Resistance Surveillance (ARS) Task Force Lunch & Learn (12:30PM - 2:00PM)

tuesday ▼ 6.21.16

BREAKOUT SESSIONS

4:00pm - 5:30pm ▼ Dena'ina Convention Center		
Room	Committee	Session
Tubughnenq' 4	Chronic Disease/MCH/ Oral Health I	Do you Want a Green Smoothie with That?: Collecting Data for the Strategies of the "1305" Grant
Boardroom	Chronic Disease/MCH/ Oral Health II	It's All About the Benjamins - Medical Costs, Economic Evaluation, Directing Funding, Cigarette Sales
Tikahtnu B	Cross Cutting I	Disability: The Missing Stratification and How to Find It
Tubughnenq' 5	Cross Cutting II	Sub-County Life Expectancy: The Highs and the Lows
Tikahtnu E	Environmental Health	Water Woes: Combating Outbreaks of Environmental Health Concern
Tikahtnu A	Infectious Disease	Members-Only Position Statements
Kahtnu 2	Occupational Health I	Grizzlies and Moose and Healthcare Worker Exposures, OH My!
Kahtnu 1	Occupational Health II	Fishing for Solutions: A Successful Expedition to Protect Commercial Fishers
Tikahtnu D	Substance Abuse	Suicide Epidemiology
Tubughnenq' 3	Surveillance/ Informatics I	Rapid Fire Exploring the Wild Landscape of Surveillance
Tikahtnu C&F	Surveillance/ Informatics II	Yukon Always Do Better: Novel Data Sources, Tools, and Methods

DAILY GLANCE

Dena'ina Convention Center			
Start	End	Room	Function
7:30am	12:00pm	Lobby	Registration and Check-In
7:30am	9:00am	Exhibit Hall Section 1	Coffee/Tea Service
7:30am	12:00pm	Exhibit Hall Section 1	Networking Hall
7:30am	5:30pm	Show Office 126	Position Statement Office
7:30am	12:00pm	Exhibit Hall Section 1	Business Office/Speaker Ready
10:00am	10:30am	Exhibit Hall Section 1	AM Break
3:30pm	4:00pm	Lobby	PM Break

ROUNDTABLE SESSIONS

7:30am-8:15am ▼ Egan Convention Center		
Room	Committee	Session
Summit Hall 11&12	Chronic Disease/MCH/ Oral Health	Honoring Mothers' Lives: Strengthening Maternal Mortality Reviews and Translating Findings into Action
Summit Hall 4	Cross Cutting	Outbreak Investigations Involving FSIS-Regulated Product: Paving the Way for Improved Communication and Collaboration
Summit Hall 7&8	Environmental Health	Environmental Health at School: Call to Action for Coordinated Surveillance of Environmental Hazards and Exposures in Schools and Child Care Facilities
Summit Hall 1	Infectious Disease I	Challenges and Alternative Strategies for Lyme Disease Surveillance with a Focus on High Incidence States

ROUNDTABLE SESSIONS

5:45pm - 6:30pm ▼ Egan Convention Center		
Room	Committee	Session
Summit Hall 9&10	Cross Cutting	Enhancing Public Health Surveillance and Informatics Using CDC Phep Cooperative Agreement Funds and Staff
Summit Hall 1	Infectious Disease I	A Proposal for National Rabies Guidelines in the Setting of Mass Bat Exposures
Summit Hall 13&14	Infectious Disease II	State and National Collaborations to Support RSV Surveillance and Assess RSV-Associated Morbidity and Mortality Prior to Potential Vaccine Introduction in the United States
Summit Hall 5	Infectious Disease III	Harnessing Data to Launch Viral Hepatitis Epidemiologic Profiles and Improve Decision Making
Summit Hall 7&8	Infectious Disease IV	Structured Feedback on the National Healthcare Safety Network (NHSN) 2014 and 2015 Patient Safety External Data Validation Toolkits and Proposed Changes for 2016 Data Validation
Summit Hall 3	Occupational Health	Surveillance and Reporting of Workplace Amputations
Summit Hall 6	Surveillance/ Informatics and Infectious Disease	<i>Sponsored by Consilience Software</i> How to Successfully Utilize Surveillance Software to Enable a Rapid and Effective Outbreak Response: Lessons Learned from Infectious and Food-borne Outbreaks to STD Outbreaks
Summit Hall 4	Surveillance/ Informatics I	Meaningful Use Discussion (5:30PM - 6:30PM)
Summit Hall 2	Surveillance/ Informatics II	Benefits, Barriers, and Action Steps for Improving Data Sharing Among Health Departments

BREAKOUT SESSIONS

10:30am - 12:00pm ▼ Dena'ina Convention Center		
Room	Committee	Session
Tubughnenq' 4	Chronic Disease/MCH/ Oral Health I	Claims Check: Novel Analyses Using Medicaid Claims Data
Tubughnenq' 3	Chronic Disease/MCH/ Oral Health II	Rapid-Fire Chronic Disease
Tubughnenq' 5	Cross Cutting I	No Seward's Folly: Quality Improvement, Collaboration, and Evaluation
Kahtnu 1	Cross Cutting II	Implementation of a Hepatitis C Test and Cure Program: Informatics Strategies, Surveillance Findings and Lessons Learned from Year 1
Tikahtnu E	Environmental Health	One Health: Diverse Climate Change Hazards
Tikahtnu B	Infectious Disease I	Dial an Epidemiologist: Infection Surveillance and Prevention in Dialysis Settings
Tikahtnu A	Infectious Disease II	Rapid Fire Zoonotic & Emerging Infectious Diseases
Kahtnu 2	Occupational Health	The Wrong Type of Northern Exposure: Lead in Adult Workers
Tikahtnu C&F	Substance Abuse I	Updates on the Opioid Overdose Epidemic
Tikahtnu D	Substance Abuse II	Emergence of Severe Synthetic Cannabinoid-Related Illness: Identifying Strategies to Improve Detection and Response
Boardroom	Surveillance/ Informatics	Linking Outposts on the New Frontier: Interoperable Systems

WEDNESDAY ▼ JUNE 22

ROUNDTABLE SESSIONS

1:00pm-1:45pm ▼ Egan Convention Center

Room	Committee	Session
Summit Hall 9&10	Cross Cutting I	Impact and Outcomes of the Live Testing of Flu on Call™ during the January-February 2016 Influenza Response
Summit Hall 6	Cross Cutting II	Hub Maps: Using Electronic Health Record Data to Generate Population Health Visualizations and Understand Novel Data Sources
Summit Hall 7&8	Environmental Health	Private Well Community of Practice
Summit Hall 1	Infectious Disease I	Members-Only Infectious Disease Position Statement Roundtable III
Summit Hall 13&14	Infectious Disease II	The CDC National Healthcare Safety Network: Planned Changes and Improvements and the Impact of State Mandates and CMS Rules
Summit Hall 5	Infectious Disease III	The National Antimicrobial Resistance Monitoring System: Role of State and Local Public Health Jurisdictions
Summit Hall 11&12	Injury/Substance Abuse I	Improving Drug Overdose Surveillance: Tools, Needs and Future Opportunities
Summit Hall 4	Injury/Substance Abuse II	The Transition to ICD-10-CM for Injury Morbidity Surveillance: Tools, Tips and Take-Aways
Summit Hall 3	Occupational Health	Clinical Laboratory Worker Exposures to Select Agents: A Collaborative Approach
Summit Hall 2	Surveillance/Informatics	Re-Imagining Epidemiology: Meeting Increased Demands with Limited Resources

2016 CSTE CONFERENCE 37 JUNE 19-23 ANCHORAGE

WEDNESDAY ▼ JUNE 22

BREAKOUT SESSIONS

2:00pm - 3:30pm ▼ Dena'ina Convention Center

Room	Committee	Session
Tubughnenq' 4	Chronic Disease/MCH/Oral Health	Members-Only Position Statements
Tubughnenq' 3	Cross Cutting	Members-Only Position Statements
Kahtnu 2	Environmental/Occupational/Injury	Members-Only Position Statements
Tikahtnu A	Infectious Disease I	Rapid-Fire Vaccine-Preventable Diseases
Tubughnenq' 5	Infectious Disease II	Shining the Midnight Sun on HIV and STD
Boardroom	Infectious Disease III	We are the Government and We are Here to Help: Tips and Tools to Use in Foodborne Disease Outbreak Investigations
Tikahtnu B	Late-Breaker	
Kahtnu 1	Surveillance/Informatics	Members-Only Position Statements

BREAKOUT SESSIONS

4:00pm - 5:30pm ▼ Dena'ina Convention Center

Room	Committee	Session
Tubughnenq' 5	Infectious Disease	Members-Only Position Statements

WEDNESDAY ▼ JUNE 22

ROUNDTABLE SESSIONS

7:30am-8:15am ▼ Egan Convention Center

Room	Committee	Session
Summit Hall 13&14	Infectious Disease II	Local Health Department Roles and Activities to Improve Infection Control, Preparedness, and Response to Infectious Disease Threats
Summit Hall 5	Infectious Disease III	Utility of Standardized Exposure Data Collection for Salmonella and Campylobacter in Identifying Sources of Infection
Summit Hall 3	Infectious Disease IV	Collaborating to Improve HAI Outbreak Detection and Response
Summit Hall 9&10	Injury/Substance Abuse	Recommendations to Improve Specific Drug Reporting on Drug Overdose Death Certificates
Summit Hall 2	Surveillance/Informatics I	Public Health Electronic Laboratory Reporting Network: Leveraging Existing ELR Technology to Achieve a National Surveillance Network
Summit Hall 6	Surveillance/Informatics II	<i>Sponsored by Scientific Technologies Corporation (STC) - Win an iPad: Learn how a Disease Surveillance and Management Ecosystem supports Preparation, Prevention, and Protection and Empowers a "Lifetime"</i>

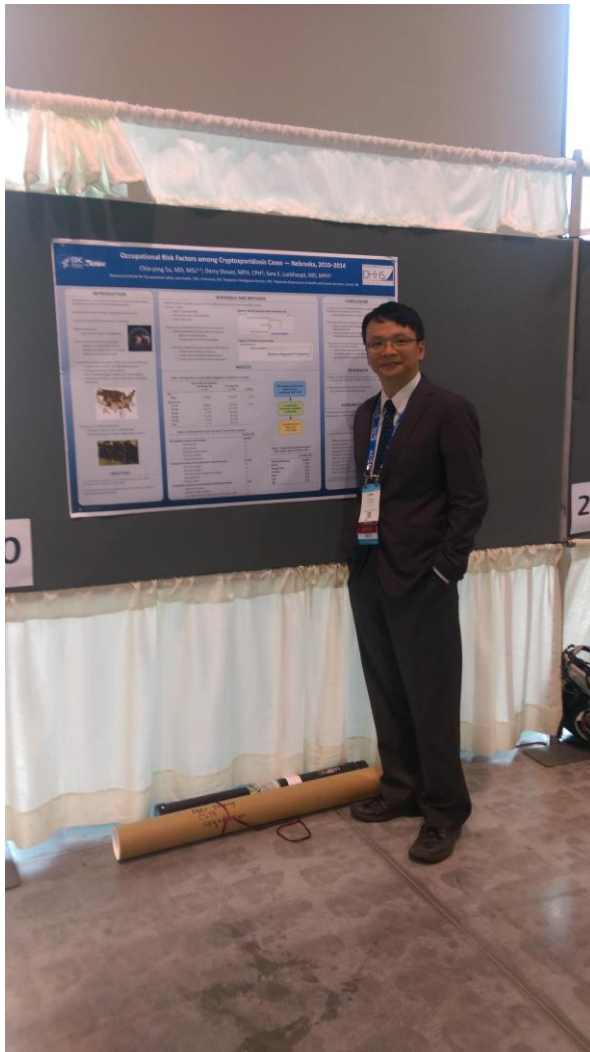
附錄二：會議剪影



口頭論文報告中



大會會場



海報論文發表中



大會展示區



大會交誼區