Cross-Jurisdictional Shared Service Arrangements in Local Public Health

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Cross-Jurisdictional Shared Service Arrangements in Local Public Health

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Partners

Organizations

- Institute for Wisconsin's Health,
 Inc.
- Network for Public Health Law
- Center for Sharing Public Health Services
- WI Association of Local Health Departments and Boards
- Wisconsin Division of Public Health

Study Advisory Team

- Linda Conlon, Oneida County Health Department
- Darren Rausch, Greenfield Health Department
- Bob Leischow, Wisconsin Association of Local Health Departments and Boards and Clark County Health Department
- Angela Nimsgern, Wisconsin DPH
- Kim Whitmore, WPHRN member
- Gianfranco Pezzino, Center for Sharing Public Health Services
- Nancy Young, Institute for Wisconsin's Health, Inc.





Specific Aims

- Describe SSA and LHD characteristics, motivations, and expected outcomes
- 2. Measure extent of implementation
- 3. Measure performance in achieving expected outcomes
- 4. Analyze effects of SSA features on implementation and performance
- 5. Document change in SSA use compared to baseline (2012 to 2014)





Methods

- IRB approval UW-Madison
- Invited LTHD to participate
- Incentive drawing for registration at state WPHA/WALHDAB conference
- Collected SSA documents
- Extracted information from SSA
- Interview LTHD directors
- Content coding of open-ended (NVivo10)
- Local Public Health Department Survey
- Analysis









Shared services agreement definition

- "A written document that describes, defines, or governs sharing of resources across jurisdictions on an ongoing or as needed basis. Shared resources may include, but are not limited to, organizational functions, staffing, programs, services, capacity, data, information, and technical assistance"
- At least 2 local-level health departments
- In place on or after January 1, 2011







Shared services agreements

Invited:

91 LTHD

- Declined = 3
- No SSA = 13
- No response = 12

Submitted:

128 SSA

- 27 duplicates
- 21 excluded

Included:

80 SSA

n=254 partner dyads



Interviews

Invited (n=91):

88 LHD 3 THD

- 3 declined
- 13 no SSA
- 12 did not respond

Consented (n=63)

62 LHD 1 THD

- 18 did not respond
- 2 LHD w/ shared LHO

Interviewed: n=44





 Describe SSA and LHD characteristics, motivations, and expected outcomes





What is an SSA called?

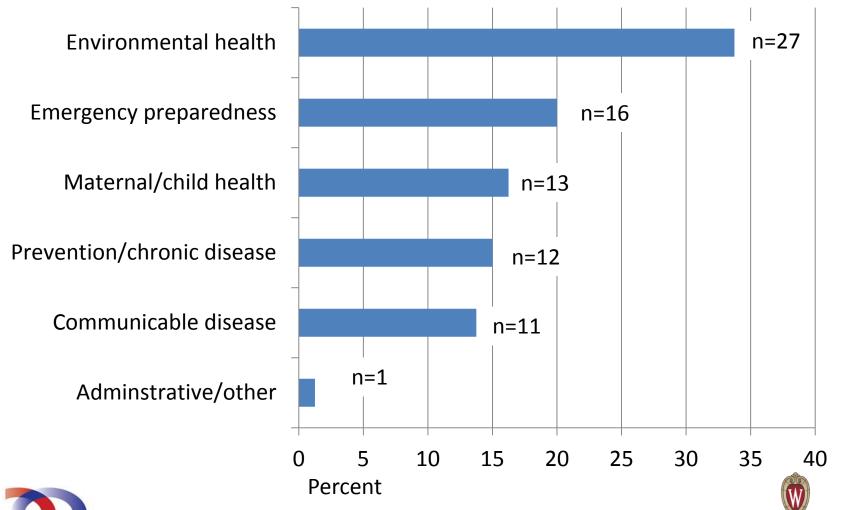
SSA Title Frequency	N	%
Memorandum of Understanding (MOU)	46	57.50
Agreement	7	8.75
Memorandum of Agreement (MOA)	6	7.50
Interagency service contract	4	5.00
Mutual aid agreement	3	3.75
Contract	3	3.75
Inter-governmental agreement	2	2.50
Purchase contract	2	2.50
Agreement to form a consortium	1	1.25
Data use agreement	1	1.25
Cooperative agreement	1	1.25
Interagency agreement	1	1.25
Business associate agreement	1	1.25
Cooperative inspection agreement	1	1.25
Counties for " ACTIVITY"	1	1.25
Total	80	100%





Primary program area

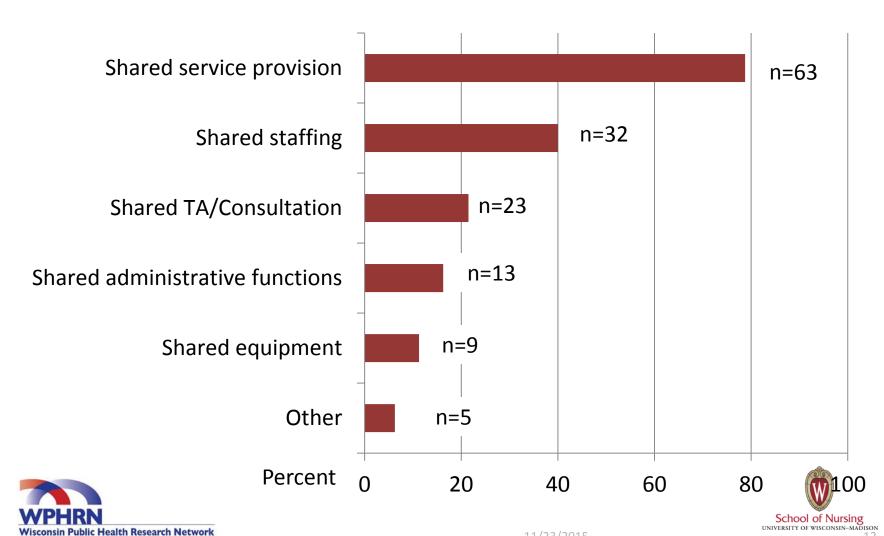
N=80 SSA



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Nature of sharing (all types)

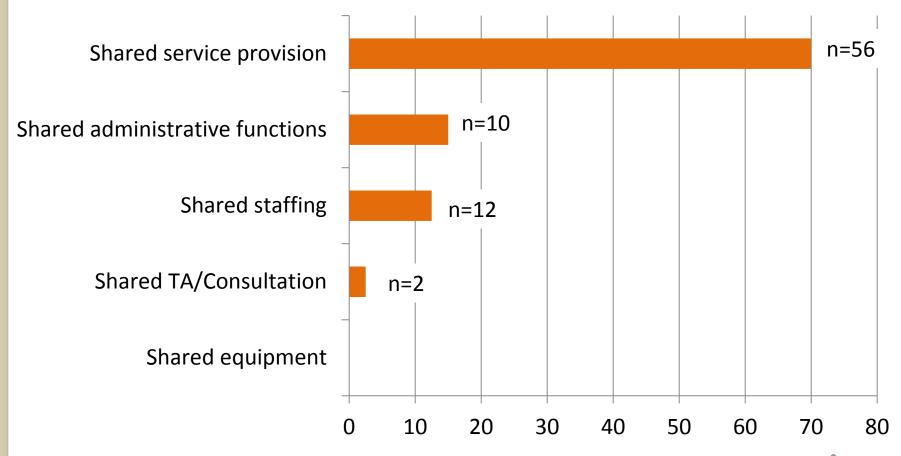
N=80 SSA



Improving Public Health Practice Through Research

Primary nature of sharing

N=80 SSA





Percent



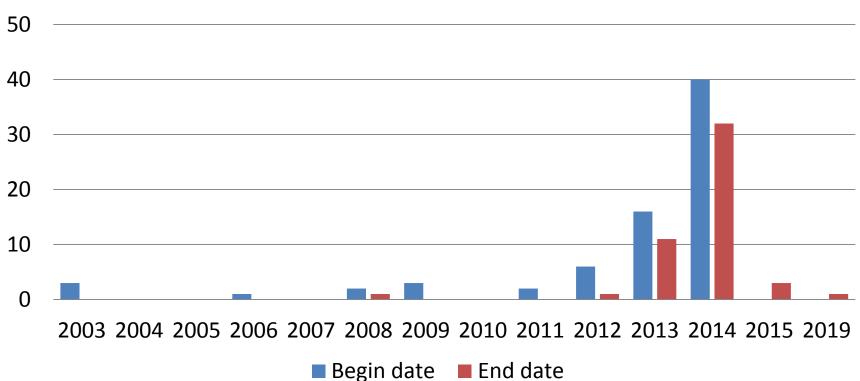
Center for Sharing Public Health Services

Spectrum of integration	SSA		Partner dyad	
	N	%	N	%
Informal and customary arrangements	4	5	16	6.3
Service related arrangements	56	70	131	52
Shared functions with joint oversight	20	25	107	42
Regionalization/merger/new entity	0	0	0	0
	80	100	254	100





Begin and end dates



- 73 (91%) had begin dates noted
- 69(86%) had end dates noted





Length of term

- Min/max = 4 months to open-ended
- Average term = 12.01 months (SD=7.61)
- Most frequent term = 12 months (58%)
- 24% = term not specified





Number of LTHD partners

- Mean = 5.91 (SD=4.74) partners/SSA
- Min/max: 2-15 LTHD/SSA
- 49% have 2 partners
- 72/88 LHD (82%)
- 5/11 Tribal (45%)



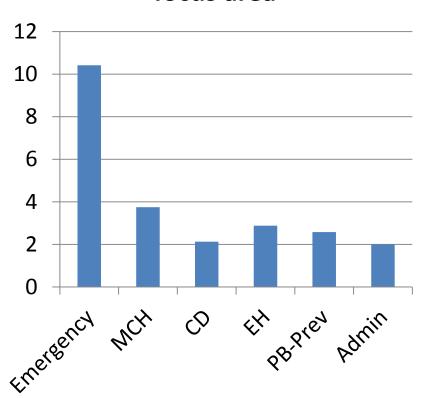
n=80 SSA n=254 partner dyads



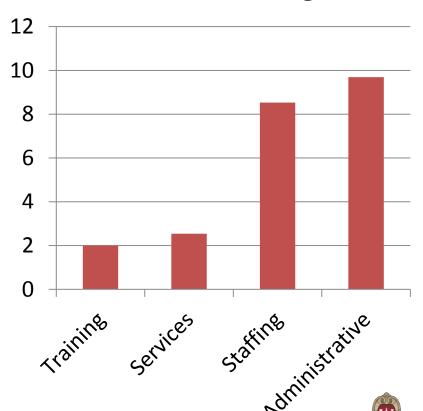


Mean number of partner dyads N=254

Mean partners by primary focus area



Mean partners by primary nature of sharing





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"Legal completeness" (n=80)

SSA "legal" items	N	%
1. Legal obligation is created by agreement	79	99
2. SSA intention is binding	78	98
3. Decision-making process is clear*	76	95
4. Financial payment/reimbursement required**	64	80
5. Expected outcomes are clear*	68	85
6. All parties involved in decision-making*	63	79
7. Communication processes are clear*	49	61
8. Renewal process is identified*	24	30
9. Dispute resolution process is identified*	14	18

Jill Krueger, Attorney, Network for Public Health Law

LHD characteristics

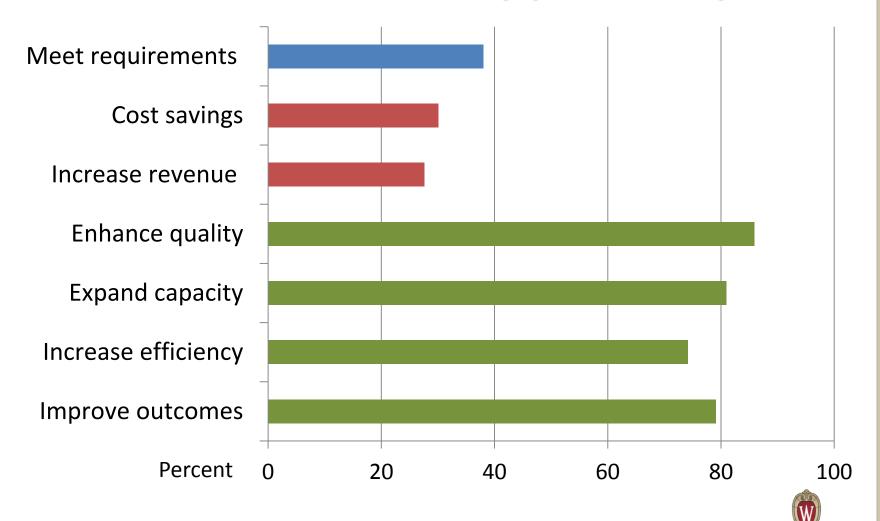
LHD with SSA (n=72)

- Population range
 - R=4,381- 596,500
 - -M=56,623
- Total FTE
 - R=2.4 to 273.75
 - -M=19.14
- Total expenditure
 - Mean = \$1.6 million

LHD with no SSA (n=16)

- Population
 - -R=20,604-497,021
 - M=110,879
- Total FTE
 - -R=4.5-163.25
 - M = 28.98
- Total expenditure
 - Mean = \$2.6 million

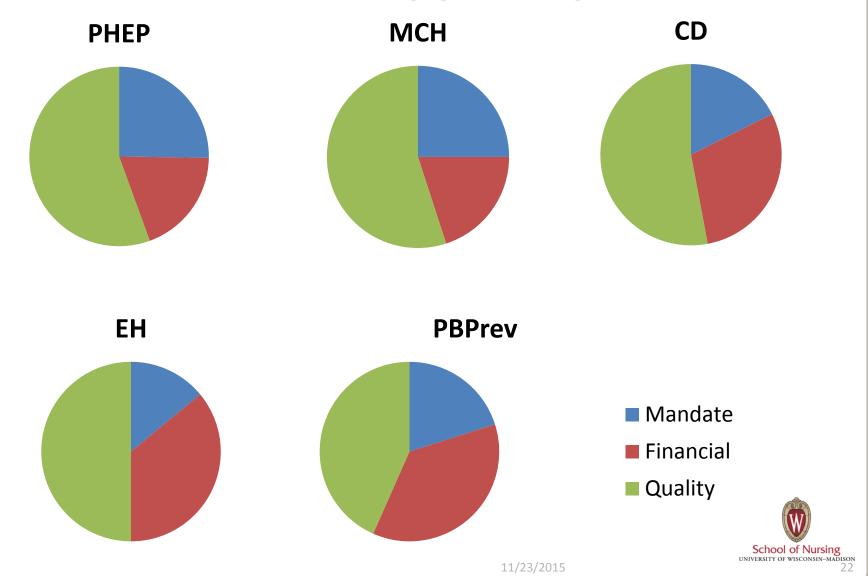
Motivations for SSA by partner dyad



N=254 partner dyads

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Motivations by primary focus



Expected outcomes

- "Provide mutual assistance in the event of a communicable disease outbreak or epidemic" (communicable disease)
- "Facilitate mutual assistance between parties...in the event of bioterrorism, infectious disease outbreaks, and other public health threats" (emergency preparedness)
- "Provide all services for the WI Well Woman's Program" (MCH)
- "Partner county to conduct lead risk assessments and provide consultation" (Environmental health)
- "Provide WI Tobacco Prevention and Control Program Service" (Health promotion/chronic disease prevention)





Aim 2 Extent of implementation

- Scale:
 - 0 = No components implemented
 - -5 = Full implementation
- Mean = 4.40 (SD = 1.29)
- Min/Max = 0 to 5
- 71% reported full implementation





Perceived performance in achieving expected outcomes

- Scale:
 - 0 = No expected outcomes achieved
 - 5 = All expected outcomes achieved
- Mean = 4.30 (SD=.98)
- Min/Max = 0 to 5
- 44% reported all outcomes achieved





Aim 4 SSA features associated with implementation and performance

- Time since SSA began
- Number of partners
- Primary focus area
- Primary nature of sharing
- Motivations
- Legal "completeness" composite
- Financial exchange/commitment
- Prior collaboration
- Population size of jurisdictions served
- Implementation

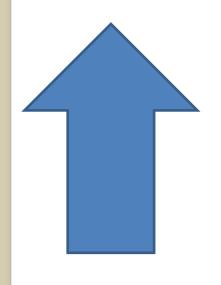
Analytic strategy:

- Mixed effects logistic regression
- Control:
 - Time, # partners
- Outcomes:
 - Implementation/performance





What SSA features are associated with higher implementation?



Fewer partners

Prior collaboration

Shared service provision

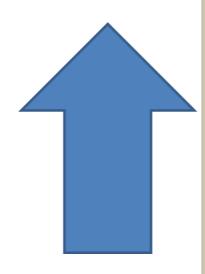
Motivation is not "required"

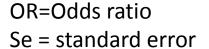
$$-$$
 OR=.28 (se .18, z=-2.02, p=.043)



What SSA features are associated with higher performance?

- Implementation
 - OR=2.34 (se=1.14, z=1.76, p=.079)
- Fewer partners
 - OR=.81 (se=.06, z=-2.93, p=.003)
- Financial commitment
 - OR=4.42 (se=2.82, z=2.32, p=.02)







What SSA features are associated with higher performance?

Primary focus area

- MCH: OR=.22 (se=.16, z=-2.08, p=.037)
- CD: OR=.21 (se=.16, z=-1.96, p=.05)
- PB-Prevention: OR=3.81 (se=3.03, z=1.69, p=.092)

Shared service provision

- OR=3.47 (se=2.43, z=1.78, p=.076)

OR=Odds ratio Se = standard error



Summary

- Variation in focus and nature of sharing
- Quality most common motivation
- Legal completeness could be improved
- Smaller jurisdiction more common
- Experience helps
- Fewer partners
- Financial commitment
- Voluntary
- Shared service provision









Document change in SSA use compared to baseline (2012 to 2014)





Survey Methods

- Surve,

 Excellent

 Very food
- Minor revisions to 2012 instrument
- IRB University of Wisconsin Madison
- Online survey (Survey Monkey) launched 10/7/14
 - N=91 LHDs (88 local, 3 tribal)
- Participation incentive random drawing of a handheld GPS unit
- Reminders

Wisconsin Public Health Research Network Improving Public Health Practice Through Research

- Two email reminders and phone follow-up
- Third email reminder on Jan. 8
- Survey closed 1/23/15



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Definition of shared services (2012 & 2014):

"Sharing resources (such as staffing or equipment or funds) on an ongoing basis. The resources could be shared to support programs (like a joint WIC or environmental health program) or organizational functions (such as human resources or information technology). The basis for resource sharing as defined here can be formal (a contract or other written agreement) or informal (a mutual understanding or "handshake" agreement)."

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	2012 N=91 (92% response)			14 63 sponse)
Currently share services	65	71%	49	78%
 Change in past 12 months: Sharing to same extent Sharing to greater extent No change Sharing to lesser extent 	46 22 19 4	51% 24% 21% 4%	33 19 8 3	52% 30% 12% 4%





	2012		2014	
Currently share services	N=65		N=49	
By population served:<25,00025,000-49,99950,000-99,999100,000+	23 15 13 6	76% 65% 68% 54%	20 13 11 4	80% 81% 79% 57%





	2012		2014	
Currently share services	N=65		N=	49
By region:NorthernNortheasternSouthernSoutheasternWestern	16	84%	10	83%
	16	73%	11	85%
	9	69%	7	70%
	12	67%	8	61%
	12	63%	13	87%
Primary focus:Emergency preparednessEnvironmental healthInspection & licensing	38	59%	21	43%
	24	37%	18	37%
	13	20%	7	14%

% of governance type that currently shares services	2012		2014	
Free standing LHD with	(n=55)		(n=	:38)
Board of Health	40	73%	30	79%
Free standing LHD with HHS board	(n=8)		(n=5)	
	5	63%	4	80%
Consolidated health and human services dept.	(n=20)		(n=	:19)
	12	60%	14	79%





Motivation to create SSA	2012		2014	
Environmental health shared service arrangement	N=24		N=18	
 Make better use of resources Respond to program requirements Provide better services Save money Aid in recruiting qualified staff Provide new services 	19 15 14 9 8	79% 63% 58% 37% 33%	15 9 11 7 5	83% 50% 61% 39% 28% 22%

Summary: 2012-2014

- Cross-jurisdiction sharing is widespread & increasing in Wisconsin
- Sustained practice over 2 years
- All regions
 - More common in lower population areas
- All governance types





Limitations

- 50% of LHD directors participated in interviews
- Lower response rate in time 2 survey
- Limited tribal participation
- May have missed some SSAs meeting definition
- Low numbers limit type of analysis and power to detect relationships
- New/novel measures, perceptions



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Best Practices for SSA's

- » Clearly state whether the parties intend for the contract to create legal obligations
- » Engage in sufficient initial conversation to reach a shared understanding of goals—then document them in the SSA!
- » Describe how communication related to the SSA will occur
- » Establish how decisions will be made, and by whom (generally, all parties should have input)
- » Follow a regular schedule to review and renew the SSA,
- » Set forth the process to amend or terminate the SSA
- » Agree on a process to resolve any disputes that may arise

Jill Krueger, Attorney



Policy implications

- Cross-jurisdiction sharing can be a legitimate and successful strategy
- Can maintain independence AND collaborate
- Experience in use is growing
 - Center for Sharing Public Health Services http://phsharing.org/





We invite your comments!

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