

Supplemental Table 1. Time Study Summary: Activities Worked and Associated Time Spent per Week by Health Jurisdiction, Staff Type, and STD Focus\*

Case-work stage	Activity	Health Jurisdiction		
		King	Pierce	Spokane
Gonorrhea/Chlamydia Pre-assignment (Administrative)**	Data entry	66.7 (56%) <sup>a</sup>	29.9 (80%) <sup>a</sup>	15.8 (53%) <sup>b,c,d</sup>
	Faxing	4.1 (3%) <sup>a</sup>	0.4 (1%) <sup>b</sup>	0.5 (2%) <sup>b</sup>
	Provider contact	20.3 (17%) <sup>a</sup>	0 (0%) <sup>b</sup>	1 (3%) <sup>b</sup>
	Record search, case review	24.3 (20%) <sup>a</sup>	5.8 (15%) <sup>a</sup>	11.7 (39%) <sup>b,c,d</sup>
	Other, meetings, miscellaneous	4.7 (4%) <sup>a,b</sup>	1.3 (3%) <sup>b</sup>	1 (3%) <sup>b</sup>
	Total administrative work	120 (100%) <sup>b</sup>	37.5 (100%) <sup>b</sup>	30 (100%) <sup>b</sup>
Gonorrhea/Chlamydia Post-assignment (DIS)	Data entry/review	23.3 (16%) <sup>a</sup>	12.4 (14%) <sup>a,b</sup>	5.1 (19%) <sup>a</sup>
	Record/information searches	18.7 (13%) <sup>a</sup>	17.5 (20%) <sup>a,b</sup>	6.7 (25%) <sup>a</sup>
	Provider contact	12.9 (9%) <sup>a</sup>	0.3 (0%) <sup>a,b</sup>	0.8 (3%) <sup>a</sup>
	Case/partner contact phone attempts	17 (12%) <sup>a</sup>	0.6 (1%) <sup>a,b</sup>	0.7 (3%) <sup>a</sup>
	Text, email, letter, Facebook message clients	13.1 (9%) <sup>a</sup>	0.5 (1%) <sup>a,b</sup>	0.6 (2%) <sup>a</sup>
	Case interview	27.1 (19%) <sup>a</sup>	29.3 (33%) <sup>a,b</sup>	4.1 (15%) <sup>a</sup>
	Partner notification	3 (2%) <sup>a</sup>	5 (6%) <sup>b,c,d</sup>	0.4 (1%) <sup>a</sup>
	Field work	7.2 (5%) <sup>a,b,d</sup>	5.7 (6%) <sup>b,d</sup>	4.9 (18%) <sup>b,d</sup>
	Arrange care, schedule appointments	9.4 (7%) <sup>a</sup>	2.5 (3%) <sup>a,b</sup>	0.5 (2%) <sup>b</sup>
	Consult with other staff	3.7 (3%) <sup>a</sup>	1.3 (1%) <sup>a,b</sup>	1 (4%) <sup>a</sup>
	PrEP coordination	0 (0%) <sup>a</sup>	5.6 (6%) <sup>b</sup>	0 (0%) <sup>a</sup>
	Other, meetings, miscellaneous	7.8 (5%) <sup>a,b</sup>	2.5 (3%) <sup>a,b</sup>	1.9 (7%) <sup>a,b</sup>
	Team leader case review	N/A	4.6 (5%) <sup>b,c,d</sup>	N/A
	Total DIS work-hours/week for GC/CT cases	143.2 (100%) <sup>b</sup>	87.8 (100%) <sup>b</sup>	26.8 (100%) <sup>b</sup>
Syphilis Pre- & post- assignment (DIS)	Data entry/review	15.8 (22%) <sup>a</sup>	1 (6%) <sup>a</sup>	24.9 (34%) <sup>a</sup>
	Record/information searches	12.5 (17%) <sup>a</sup>	1.7 (10%) <sup>a</sup>	22.7 (31%) <sup>a</sup>
	Provider contact	15.7 (22%) <sup>a</sup>	3.1 (19%) <sup>a</sup>	5.7 (8%) <sup>a</sup>
	Case/partner contact phone attempts	5.3 (7%) <sup>a</sup>	0.1 (1%) <sup>a</sup>	2.3 (3%) <sup>a</sup>
	Text, email, letter, Facebook message to clients	1.3 (2%) <sup>a</sup>	0.4 (2%) <sup>a</sup>	1.3 (2%) <sup>a</sup>
	Case interview	3.9 (5%) <sup>a</sup>	4.8 (29%) <sup>a</sup>	6 (8%) <sup>a</sup>
	Partner notification	0.5 (1%) <sup>c,d</sup>	2 (12%) <sup>b,c,d</sup>	1.9 (3%) <sup>a</sup>
	Field work	0.8 (1%) <sup>b,d</sup>	0.3 (2%) <sup>b,d</sup>	1.1 (2%) <sup>b,c,d</sup>
	Arrange care, schedule appointments	1.3 (2%) <sup>a</sup>	0 (0%) <sup>a</sup>	0 (0%) <sup>a</sup>
	Consult with other staff	14 (19%) <sup>a,b</sup>	0.1 (1%) <sup>a</sup>	5.3 (7%) <sup>a</sup>
	PrEP coordination	0 (0%) <sup>a</sup>	1.9 (12%) <sup>a</sup>	0 (0%) <sup>a</sup>
	Other, meetings, miscellaneous	1.7 (2%) <sup>a,b</sup>	0.9 (5%) <sup>a,b</sup>	2 (3%) <sup>a,b</sup>
	Team leader case review	N/A	0.2 (1%) <sup>b,c,d</sup>	N/A
Total DIS work-hours/week for GC/CT cases	72.8 (100%) <sup>b</sup>	16.5 (100%) <sup>b</sup>	73.2 (100%) <sup>b</sup>	
Management	Manager/supervisor work allocated to STD PS	12 hours <sup>b</sup>	22 hours <sup>b</sup>	27 <sup>b</sup>
Epidemiology Support	Data quality assurance	2 hours <sup>b</sup>	N/A	N/A

Data source (weighted to total work time per week): a. observations; b. interviews; c. tracking forms; d. surveillance

\*Based on Observations, Interviews, and Case-Tracking Forms

\*\*Not all cases are assigned for STD PS