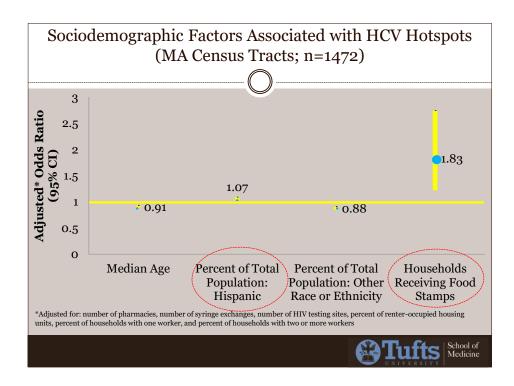


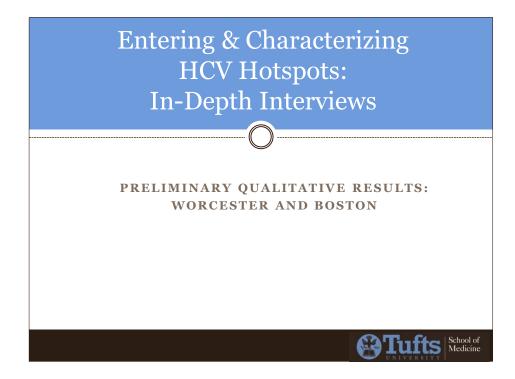
Validating Across Spatial Methods

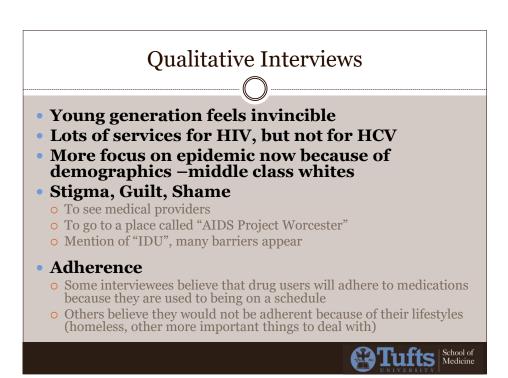
 TABLE 1 Comparison of Geostatistical Findings Highlighting Locations with High and Low Reported HCV

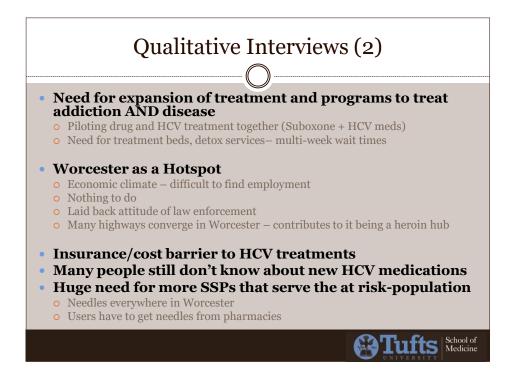
 Infections, Massachusetts, 2002-2013

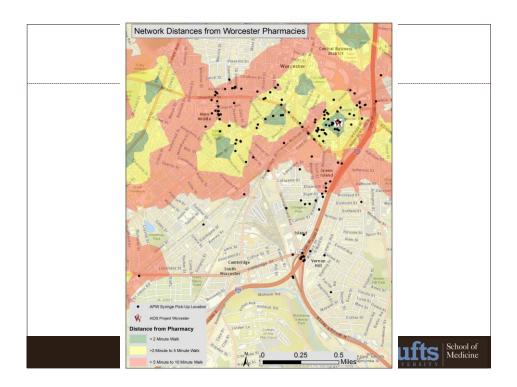
Location	Kernel Density Analysis (Heat Maps)	Getis-Ord GI* Hotspot Test (Count)	Getis-Ord GI* Hotspot Test (Rate)	Poisson Space-time Cluster Test
Greater Boston Area	Higher Caseload per Square Mile	Statistically Significant Hot Spot	Statistically Significant Hot Spot	Statistically Significant Hot Spot
South Shore of Massachusetts	Higher Caseload per Square Mile	Statistically Significant Hot Spot	Statistically Significant Hot Spot	Statistically Significant Hot Spot
Springfield	Higher Caseload per Square Mile	Statistically Significant Hot Spot	Statistically Significant Hot Spot	No Significant Cluster
Worcester	Higher Caseload per Square Mile	Statistically Significant Hot Spot	No Significant Cluster	No Significant Cluster
Pittsfield	Higher Caseload per Square Mile	Statistically Significant Hot Spot	No Significant Cluster	No Significant Cluster
Cape Cod	Higher Caseload per Square Mile	Statistically Significant Hot Spot	No Significant Cluster	No Significant Cluster
North Shore of Massachusetts	Higher Caseload per Square Mile	No Significant Cluster	No Significant Cluster	No Significant Cluster
Merrimack Valley	Higher Caseload per Square Mile	No Significant Cluster	No Significant Cluster	No Significant Cluster
Metro West	No Discernable Difference from State Average	Statistically Significant Cold Spot	Statistically Significant Cold Spot	Statistically Significant Cold Spot

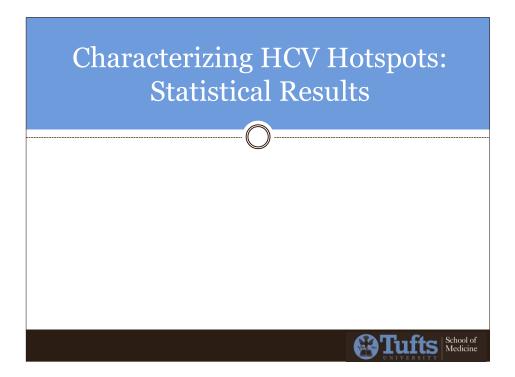


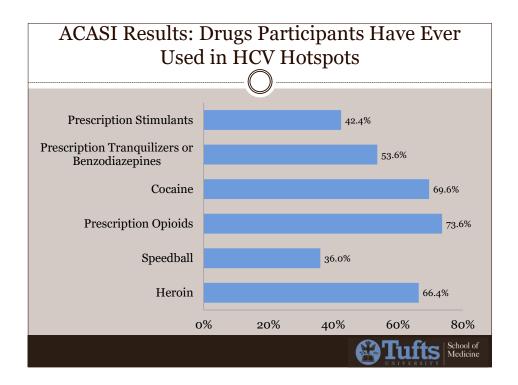


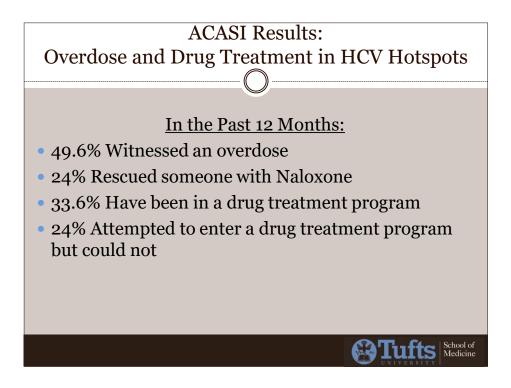












Variable	Boston (n=137) n, %	Worcester (n=125) n, %	P-value
Saw medical provider (Last 12 mos)	124 (91%)	94 (75%)	<0.001
Has health insurance	132 (96%)	109 (87%)	0.01
Tested for HIV	125 (91%)	103 (82%)	0.03
Tested for HCV	121 (88%)	94 (75%)	0.01
Heard about HCV Tx	63 (77%)	25 (54%)	0.01
Interested in HCV Tx	68 (83%)	33 (72%)	0.20

Preliminary ACASI Results: Disease Prevalence						
Variable	Boston (n=137) n, %	Worcester (n=125) n, %	P-value			
HCV infection	121 (88%)	94 (75%)	0.01			
HIV infection	17 (14%)	10 (10%)	0.37			
HBV infection	18 (13%)	6 (5%)	0.02			
STI ever	42 (33%)	24 (19%)	0.01			
Opioid overdose	65 (47%)	44 (35%)	0.045			
Treated for last OD	53 (82%)	33 (75%)	NS			
Had abscess	55 (40%)	32 (26%)	0.03			
Treated for abscess	45 (82%)	29 (91%)	0.04			
Mental illness	107 (78%)	91 (73%)	NS			
Depression	57 (42%)	49 (39%)	NS			
Bipolar disorder	23 (17%)	29 (21%)	NS			

