

**Table 15****Differences in Percentage of Agreement and Kappas between ICD-9-CM and ICD-10-CM**

<b>Public Health Categories</b>	<b>ICD-9-CM (mean) % Agreement</b>	<b>ICD-9-CM Kappa (mean)</b>	<b>ICD-10-CM (mean) % Agreement</b>	<b>ICD-10-CM Kappa (mean)</b>	<b>P value for difference in Kappa</b>
External causes of injury*** (n=23 for both I-9 and I-10)	95.30	0.97	14.60	0.15	<0.001
Alzheimer's (n=0)	N/A	N/A	N/A	N/A	N/A
Cerebrovascular (n=6 for both I-9 and I-10)	78.50	0.83	58.90	0.62	.076
Diabetes (n=3 for both I-9 and I-10)	100	1.00	71.5	0.78	.121
Influenza (n=0)	N/A	N/A	N/A	N/A	N/A
Lower respiratory disease*** (n=16 for both I-9 and I-10)	95.60	0.97	55.50	0.59	<0.001
Nephritis (n=1 for both I-9 and I-10)	100	1.00	25.00	0.25	.317
Septicemia (n=0)	N/A	N/A	N/A	N/A	N/A
Heart disease*** (n=25 for both I-9 and I-10)	90.50	0.91	42.10	0.48	<0.001
Malignant neoplasms** (n=10 for both I-9 and I-10)	90.10	0.92	51.10	0.53	.003
Other*** (n=82, I-9; n=81, I-10)	91.30	0.92	41.30	0.46	<0.001

P values determined by Mann Whitney U nonparametric test:

\*Significance:  $p < 0.05$

\*\*High Significance:  $p < 0.01$

\*\*\*Very High Significance:  $p < 0.001$

N/A – Too few cases

n = number of cases