

Table 14**Differences in Codes by Ranking for ICD-9-CM and ICD-10-CM for Public Health Diseases**

Public Health Categories	ICD-9-CM Rank (Mean)	ICD-10-CM Rank (Mean)	P value
External Causes*** (n=61, I-9; n=70, I-10)	4.85	2.98	<0.001
Alzheimer's (n=0)	N/A	N/A	N/A
Cerebrovascular (n=45, I-9; n=46, I-10)	4.64	4.30	0.057
Diabetes* (n=18 for both I-9 and I-10)	5.00	4.56	0.037
Influenza (n=0)	N/A	N/A	N/A
Lower respiratory disease*** (n=99, I-9; n=102, I-10)	4.96	4.03	<0.001
Nephritis (n=3 for both I-9 and I-10)	5.00	2.33	0.114
Septicemia (n=0)	N/A	N/A	N/A
Heart disease*** (n=146, I-9; n=142, I-10)	4.89	4.08	<0.001
Malignant neoplasms* (n=37 for both I-9 and I-10)	4.78	4.27	0.012
Other*** (n=350, I-9; n=367, I-10)	4.81	4.01	<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 codes and agreement rankings

Ranking for Agreement:

5 = All digits are captured by codes assigned

4 = One digit is different between the codes assigned

3 = Two digits are different between the codes assigned

2 = Three digits are different between the codes assigned

1 = >3 digits are different between the codes assigned