



## COVER SHEET

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## **The proportion of injury deaths with unspecified external cause codes-- a comparison of Australia, Sweden, Taiwan and the United States**

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## ABSTRACT

**Background:** The proportion of injury deaths with unspecified external cause codes has been used as an indicator of the level of comprehensiveness and specificity of information on death certificates provided by certifiers.

**Objective:** To compare the proportion of unspecified external cause codes across countries.

**Methods:** Multiple-cause-of-death mortality data for cases that died in 2001 due to external causes in Australia, Sweden, Taiwan and the United States were used for this international comparison study. The proportion of injury deaths coded as due to an unspecified external cause (ICD-10 Chapter XX) to all injury deaths in each block was calculated.

**Results:** Sweden (33%) had the highest proportion of use of the least specific code (ICD-10 code X59 *Exposure to unspecified factor*), followed by Australia (17%), Taiwan (13%) and the USA (7%). More than two thirds of the deceased for whom an ICD-10 code X59 was assigned in Sweden and Australia were those aged 65 or above, and more than half of them had femoral fractures. The percentage of use of the unspecified codes within specific groups of external causes was relatively high for falls and unintentional drowning.

**Conclusions:** Caution should be used in examining the compensatory effects of the unspecified external event code (ICD-10 code X59) on specific external causes (especially falls) when making international comparisons. Efforts are needed to educate certifiers to report sufficient information for specific coding so as to provide more useful information for injury prevention.

## **Key points**

- If the certifier does not report sufficiently-detailed information for an injury death, an unspecified external cause of death will be coded, which provides little useful information for injury prevention.
- In this study, Sweden (33%) had the highest proportion of use of unspecified code (ICD-10 code X59), followed by Australia (17%), Taiwan (13%) and the USA (7%).
- Most of the deceased with ICD-10 code X59 were those aged 65 or above.
- The percentage of unspecified codes within specific groups of external causes was relatively high for deaths due to falls and unintentional drowning.
- Researchers should be cautious when making international comparisons and efforts are needed to educate certifiers to report sufficient information for specific coding.

Ideally, a good classification scheme for external causes of injury deaths should provide relevant information for injury prevention.<sup>1-5</sup> A high degree of specificity in mortality data and improvements in the documentation of the circumstances of an injury-causing event is essential for injury prevention purposes.<sup>3</sup> For example, the four-character code for transport injuries in ICD-10 (International Statistical Classification of Diseases and Related Health Problems, Tenth Revision) comprises not only the information regarding the mode of transport of the victim, but also the victim's counterpart or the circumstances of the injury and the role of the victim (e.g., driver or passenger) and whether the event was a traffic or non-traffic accident.<sup>6</sup> Many new categories have been added for falls in ICD-10 (W04-W08) to provide more detailed information compared with that available in its predecessor, ICD-9. ICD-10 further separates unintentional drowning into 'while in' water (W65, W67 and W69) from drowning which occurs due to a 'fall into' water (W66, W68 and W70). These two circumstances have quite different implications for injury prevention.<sup>6</sup>

Realistically, however, certifiers may not report sufficient information on the death certificate to take advantage of the specificity in the classification scheme. For example, if the certifier reported only 'accidental head injury' on the death certificate, the coder can only assign an unspecified underlying cause code, i.e., ICD-10 code X59 (*exposure to unspecified factor, accident not otherwise specified*) for this death certificate. If the certifier wrote 'head injury due to transport accident' on the death certificate, the coder would assign a less unspecified ICD-10 code V99 (*unspecified transport accident*) for this case. Only

when certifier provides more complete information, such as head injury to a motorcyclist in collision with bus, can the coder give a specific ICD-10 code V244 (*motorcycle rider injured in collision with heavy transport vehicle or bus*). Therefore, the proportion of injury deaths with unspecified external cause codes can be used as an indicator of the level of sufficiency and specificity of the information reported by certifiers on the death certificate for external causes of death.

There are two injury prevention implications in examining the proportion of unspecified external causes. If a country has a large number of injury deaths coded as ICD-10 code X59, there would be compensatory effects on the number of deaths due to other specific external causes, such as motor vehicle crashes, falls or drowning. This will result in underestimation of the magnitude of these deaths and biased interpretation of international comparisons may result. Furthermore, if a country had high percentage of unspecified codes for particular external causes, e.g., ICD-10 code W19 (*unspecified falls*) there will be insufficient detailed information about the circumstances of the fall (such as falls involving wheelchairs, beds, chairs or other furniture etc) for designing relevant injury prevention programs.

Several studies conducted in the past have dealt with the reporting of unspecified injuries,<sup>5,7</sup> risk factors associated with unspecified causes,<sup>8</sup> and the quality of certification;<sup>9</sup> but no study has assessed the specificity of information reported on death certificates at an international level. Conducted as part of the International Collaborative Effort on Automating

Mortality Statistics (ICE) initiated by the U.S. National Center for Health Statistics,<sup>10</sup> the aim of this study was to compare the proportion of injury deaths with unspecified external cause codes between Australia, Sweden, Taiwan and the United States. The results of this study will provide some evidence to identify the extent of gaps between the 'ideal' and the 'reality' in classifying external causes of death in different countries.

Because the number of deaths coded to ICD-10 code X59 would have compensatory effects on the number of deaths due to other, more specific, external causes, a more detailed analysis of the use of ICD-10 code X59 was conducted. One important change between ICD-9 and ICD-10 is the failure to include an ICD-10 equivalent to ICD-9 code E887 (fracture, cause unspecified) with the falls block (in ICD-9, codes E880-E888). If a fracture is mentioned without external cause specified, the underlying cause of death is coded to E887 in ICD-9 and X59 in ICD-10. X59 does not distinguish between fracture and non-fracture related causes. We used multiple-causes-of-death data to determine how many of the elderly deaths in X59 had femoral fracture.

## **METHODS**

Multiple-causes-of-death mortality data for deaths in 2001 with underlying-cause-of-death due to external causes (coded to Chapter XX of ICD-10) were provided by four countries participating in the ICE, i.e., Australia, Sweden, Taiwan and the United States. All four participating countries use the same automated coding system for selection of the

underlying-cause-of-death; therefore there were believed to be few coding artifacts in this international comparison.

Chapter XX is subdivided into several homogeneous blocks of three-character categories (for examples, see table 1). In each block, one category is designated for “unspecified” circumstances. All “unspecified” external cause codes with titles are listed in the Appendix. We excluded the codes that combine both “other and unspecified” events (ICD-10 codes W49, W64, W99, X19, X39, X49, and Y82), because it is impossible to distinguish between specified and unspecified circumstances using only these codes. We also calculated the proportion of *unspecified falls* (ICD-10 code W19) by age for each country.

For those deaths with underlying cause coded as ICD-10 code X59 (*exposure to unspecified factor, accident not otherwise specified*) and W19 (*unspecified falls*), we use multiple-causes-of-death data to examine the proportion of these deaths coded with an associated ICD-10 injury code S72 (*fracture of femur*) or S00-S09 (*injuries to the head*) for decedents aged 65 or above.

## RESULTS

Table 1 presents the proportion of injury deaths coded as unspecified. Sweden (33%) had the highest percentage of deaths reported as due to an unspecified factor (ICD-10 code X59), followed by Australia (17%), Taiwan (13%), and the USA (7%). Sweden also had the

highest percentage of deaths from unspecified falls (64% of all fall deaths), followed by Australia (56%), the USA (51%) and Taiwan (49%). The proportion of unspecified falls increased with age in each country (Table 2).

Table 3 presents the results of analysis using multiple-causes-of-death data. Of those decedents aged 65 or above in which ICD-10 code X59 was assigned, more than half had femoral fractures (ICD-10 injury code S72) in Australia, Sweden and the USA, Of those dying from unspecified falls (ICD-10 code W19) aged 65 or above, less than one third had femoral fractures. In Taiwan, only 2.3% of unspecified falls involved femoral fracture and 89% (235/264) had associated head injury codes (ICD-10 code S00-S09).

Taiwan had an unusually high percentage (99%) of unspecified circumstances for unintentional drowning, followed by Sweden (47%), the USA (35%) and Australia (13%). We also found relatively high percentages of unspecified code use for transport accidents (87%) and incidents involving fire and flames (99%) in Taiwan and other accidental threats to breathing (33%) in Sweden compared with the other three countries. Of the 33 deaths that had been coded as ICD-10 code W84 (*unspecified threat to breathing*) in Sweden, 24 of the deceased were aged 65 or above. We could not find more specific information for these deaths using multiple-cause-of-death data.

On the contrary, Australia (2%) and Sweden (3%) had relatively low percentages of use of unspecified codes for transport accidents compared with Taiwan (87%) and the USA (23%). The number of deaths coded to the various 4-character unspecified motor vehicle

traffic accident codes are illustrated in Table 4. All the four participating countries had low percentages of intentional self-harm deaths caused by unspecified means (ICD-10 code X84). We also found some variations in the proportion of use of codes for an unspecified event of undetermined intent (ICD-10 code Y34) across countries, from 0% in Australia to 9% in Taiwan.

## **DISCUSSION**

Obvious gaps existed between the 'ideal' and the 'reality' in classifying injury deaths among the four participating countries. In Sweden, about one third of all injury deaths and in Australia, Taiwan and USA, about one in ten injury deaths were coded to X59. Falls and drownings were the two most common events for which sufficient specificity was often not provided. Ironically, falls and drownings are two of the code groups for which there is an increase in level of detail in ICD-10 compared to ICD-9.<sup>6</sup> In the following sections, we propose some explanations for the relatively high prevalence of unspecified injury codes, explore the variations across countries and discuss their implications for international comparisons.

### **Unspecified external factors**

The relatively high percentage (33%) of deaths in Sweden coded to X59 is particularly problematic when comparing data between countries. Most of these were 65 and older and involved femoral fractures. In the ICD-9 era, this was less a problem because these deaths

could be coded to ICD-9 code E887 (*fracture of unspecified cause*) which has been tabulated within the fall block (E880-E888). It was logical to assume that these deaths involved a fall even though a fall was not explicitly specified. However, there is no comparable ICD-10 code; all of these deaths were coded in ICD-10 to X59, which is not specific as to a fracture. This has been recognized as a problem and from the 2006 ICD-10 updates (implementation in the US will be Jan 2007) a fourth character subdivision has been introduced for the ICD-10 code X59. The new code is X59.0 (*exposure to unspecified factor causing fracture*).

## **Unspecified falls**

Most of the people who died from falls were those aged 65 or above. The overall proportion of unspecified falls was 71% (447/634) in Australia, 80% (435/543) in Sweden and 77% (11637/15055) in the USA. Our findings also revealed that the proportion of unspecified falls increased with age, with percentages in the 65+ age group of 69% in Australia, 67% in Sweden, 71% in Taiwan and 56% in the USA (Table 2). It is sometimes difficult to get precise circumstance information for these falls in the elderly.

For example, an elderly person who lives alone and falls in the home is found dead two days later. The certifier might find it difficult to attribute this fall to slipping (ICD-10 code W01), or a fall involving bed (ICD-10 code W06), chair (ICD-10 code W07), or other furniture (ICD-10 code W08). In the case of an elderly person who falls in a nursing home while being

carried or supported by a healthcare worker (ICD-10 code W04) which, at the same time involves a wheelchair (ICD-10 code W05) and bed (ICD-10 code W06), it may also be difficult to disentangle the main cause of the fall.

### **Other unspecified injury codes**

Despite the relatively low percentage of unspecified events of undetermined intent in each country, we still found large variation across countries. A recent American study indicated great variations across states in the number of deaths classified as undetermined intent.<sup>11</sup> A Taiwanese study pointed out that some cities and counties with high number of death classified as due to undetermined intent was owing to small number of certifiers with biased behavior in reporting manner of death.<sup>12</sup> However, these studies did not examine why the certifiers did not report mechanisms or means (e.g., poisoning, hanging, drowning, handgun, falls, jumping etc.). Differences in reporting intent may also be due to some countries interpreting the ICD rules to mean that a death cannot be coded to undetermined intent unless a legal official or coroner conducts a full investigation of the death and is not able to make a determination regarding the intent.

For transport accidents, Australia and Sweden had a very low percentage of use of unspecified codes (ICD-10 code V89 and V99). On the contrary, Taiwan had a quite high percentage of use of these non-specific codes. Possible reasons for the variations across countries may be related to the differences in the extent of querying undertaken when death certificates are incomplete and different measures to collect additional information about the

circumstances of deaths between the study countries.

### **Querying the unspecified death certificates**

In Taiwan, coders routinely query unspecified deaths for decedents aged 49 years or less.

Most of the time, coders do not query unnatural deaths certified by coroners or medical examiners. In the United States, standards for querying establish that unspecified external causes should always be queried (priority level 1e in the query manual),<sup>13</sup> but practice varies widely from state to state. Some states query in most high priority situations. Some do not query at all. The others fall somewhere in between.

In Australia, coders query for additional information if there is not sufficient detail on the death certificate to assign a specific and useful underlying cause. However, the degree to which such queries return positive results depends on factors such as the availability and goodwill of the original certifier. There are no rigid rules for the number of queries sent per year. Generally, death certificates for decedents over the age of 85 years are not queried.

In Sweden, coders routinely query injury deaths without stated external causes for deaths of people aged up to 80 years. Coders also query deaths where the description of the external event does not allow the coder to assign a specific three-character code. The exception is hip fractures in the elderly. Because many of these accidents take place at the patient's home and the physicians seldom know the exact circumstances, the coders seldom query hip fractures and code them to ICD-10 code X59.0.

### **Gathering more information**

One of the reasons for the relatively low percentage of unspecified external cause codes in Australia is that the coders can use the National Coroners Information system (NCIS) to obtain further information about an external cause death. The NCIS is a national internet based data storage and retrieval system for Australian coronial cases. Information about every death reported to an Australian coroner since July 2000 is stored within the system, which includes information such as toxicology results, police reports, autopsy results etc. as well as the final coronial finding relating to the manner and cause of death. Coders in the Causes of Death unit at the Australian Bureau of Statistics can access this information to obtain details to enable use of a more specified code.<sup>14</sup>

In order to get more information with regard to the circumstances of injury, some items have been added to the US standard certificate of death over the years (Figure 1). Date of injury, time of injury, place of injury, whether injury occurred at work, location of injury, and a description of how the injury occurred have been in place since at least 1949. Most recently, an item detailing the road user type for transportation injuries was added in 2003. These items provide coders with useful information for more specific external cause coding.

In Sweden, six extra items have been added to the death certificate for gathering more specific information related to the external cause of death. 1) The means of establishment of the causes of death i.e., clinical autopsy, examination before death, external inspection of the body, forensic autopsy and forensic external inspection; 2) Whether there was an operation within the four weeks prior to death; 3) If the deceased had any kind of addiction

and the specific type of drug/drugs: alcohol, medicine, narcotics, other; 4) In the case of injury deaths, the reason or cause and if any, the intent; 5) a short description of how the external cause arose; 6) Where the incident occurred: at home, School or other public place, sports arena, road, industry, other/not known.

Some studies suggest another possible route for collection of additional details is through record linkage of death certificate data with other data such as hospital discharge data<sup>15-17</sup> or police traffic accidents data<sup>18,19</sup> to get more information on circumstances.

However each of these studies reports issues relating to the underreporting of injury related deaths in the current mortality statistics system which are beyond the scope of this study, such as legal and ethical concerns relating to the ability to link disparate data sets.

### **Implications for international comparisons**

Comparability of injury mortality data between countries may be affected by differences in the specificity of codes assigned. For example, if certifiers in country A are more likely to mention “falls” for elderly deaths with fractures, these deaths would be coded in the ICD-10 block W00-W19. On the contrary, if certifiers in country B are less likely to explicitly mention “falls” in the same situations, these deaths would be assigned to ICD-10 code X59. The international comparability of mortality rates due to falls will be influenced by these differences in certification behaviors. The high percentage of unspecified injuries in Taiwanese data also seriously compromises detailed international comparisons of mortality from transport injuries, drownings and deaths associated with fire and flames.

Although coder error might lead to a potential bias in our results, we believe that this bias is unlikely, because previous studies have reported that coder error is least likely for external causes.<sup>20,21</sup>

More effort is needed to educate certifiers to report sufficient information for coders to classify injury deaths more specifically. Currently, there are no explicit instructions on the international form of medical certificate of cause of death recommended by the World Health Organization to prompt the certifier for information related to the external cause. Certifiers may not be aware of the importance of complete documentation of such causal information, particularly for deaths in the elderly where other co-morbidities are also likely to have contributed to or been associated causes of death. To improve the quality of statistical data relating to external cause of injuries leading to or associated with death, certifiers need to be made aware of the importance of documenting all information pertaining to the cause of the injury. This awareness raising may happen through either through education or the query action processes. Creating a system like the NCIS in Australia is another alternative to improve the usefulness of external cause mortality data for injury prevention.

In conclusion, a large gap exists between the 'ideal' and the 'reality' in reporting injury deaths, especially deaths from falls and drowning. In addition, these gaps vary from country to country and have important implications for the comparability of injury mortality data between countries and for injury prevention initiatives. Thus, researchers should be cautious when making international comparisons of such data.

**APPENDIX----Unspecified code in each block of three-character categories in Chapter XX of ICD-10 (International Statistical Classification of Diseases and Related Health Problems, Tenth Revision)**

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V89	Motor- or nonmotor-vehicle accident, type of vehicle unspecified
V99	Unspecified transport accident
W19	Unspecified fall
W49	Exposure to other and unspecified inanimate mechanical forces
W64	Exposure to other and unspecified animate mechanical forces
W74	Unspecified drowning and submersion
W84	Unspecified threat to breathing
W99	Exposure to other and unspecified man-made environmental factors
X09	Exposure to unspecified smoke, fire and flames
X19	Contact with other and unspecified heat and hot substances
X29	Contact with unspecified venomous animal or plant
X39	Exposure to other and unspecified forces of nature
X49	Accidental poisoning by and exposure to other and unspecified chemicals and noxious substances
X57	Unspecified privation
X59	Exposure to unspecified factor
X84	Intentional self-harm by unspecified means
Y09	Assault by unspecified means
Y34	Unspecified event, undetermined intent
	Complications of medical and surgical care
Y579	Unspecified drugs and medicaments
Y599	Vaccines and biological substances, unspecified
	Misadventures to patients during surgical and medical care
Y69	Unspecified misadventure during surgical and medical care
Y82	Other and unspecified medical devices associated with adverse incidents
Y849	Medical procedure, unspecified
Y899	Sequelae of unspecified external cause

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**Table 1 Proportion of injury deaths with unspecified (U) codes in the Chapter XX injury blocks (B) of ICD-10 (International Statistical Classification of Diseases and Related Health Problems, Tenth Revision) by country, 2001**

External Causes of Injuries	ICD-10 Code, U/B	Australia	Sweden	Taiwan	USA
		% (U/B)	% (U/B)	% (U/B)	% (U/B)
All unintentional injuries	X59/V01-X59	16.6 (802/4840)	32.5 (930/2861)	13.2 (1244/9452)	7.2 (7228/100644)
Transport accidents	V89&V99/V01-V99	1.9 (38/2004)	3.1 (20/637)	86.5 (4184/4835)	22.8 (10720/47083)
Falls	W19/W00-W19	55.5 (352/634)	63.7 (346/543)	49.1 (538/1096)	50.9 (7668/15055)
Accidental drowning and submersion	W74/W65-W74	12.6 (33/261)	46.7 (57/122)	98.7 (826/837)	34.6 (1163/3362)
Other accidental threats to breathing	W84/W75-W84	5.1 (11/217)	32.7 (33/101)	7.6 (28/370)	6.3 (352/5564)
Exposure to smoke, fire and flames	X09/X00-X09	10.6 (7/66)	3.0 (3/101)	97.7 (213/218)	7.5 (248/3326)
Intentional self-harm	X84/X60-X84	0.2 (6/2454)	0.3 (3/1196)	1.5 (40/2696)	0.5 (147/30599)
Assault	Y09/X85-Y09	6.0 (18/300)	11.6 (10/86)	36.2 (93/257)	8.8 (1509/17237)
Event of undetermined intent	Y34/Y10-Y34	0.0 (0/72)	2.2 (8/356)	9.2 (71/769)	6.9 (290/4176)

**TABLE 2—Proportion of unspecified fall deaths (ICD-10 code W19) among all falls (ICD-10 codes W00-W19) by age and country, 2001**

Age, years	Australia	Sweden	Taiwan	USA
	% (W19/W00-W19)	% W19/W00-W19	% W19/W00-W19	% W19/W00-W19
Total	55.5 (352/634)	63.7 (346/543)	49.1 (538/1096)	50.9 (7668/15055)
0-14	16.7 (1/6)	-- (0/0)	17.2 (5/29)	22.4 (28/125)
15-24	16.0 (4/25)	14.3 (1/7)	13.5 (7/52)	13.3 (35/263)
25-44	14.9 (7/47)	16.7 (2/12)	30.9 (95/307)	28.6 (284/994)
45-64	30.3 (33/109)	56.2 (50/89)	49.7 (167/336)	39.1 (796/2036)
65+	68.7 (307/447)	67.4 (293/435)	71.0 (264/372)	56.1 (6525/11637)

**TABLE 3—Proportion of unspecified external cause and unspecified falls deaths (ICD-10 code X59 and W19) aged 65 or above with femoral fracture (ICD-10 code S72) by country, 2001**

	Australia	Sweden	Taiwan	USA
% of X59 aged 65 or above	94.9 (761/802)	95.9 (892/930)	49.7 (618/1244)	80.4 (5808/7228)
% of X59 aged 65 or above with code S72	71.5 (544/761)	63.1 (684/892)	31.6 (195/618)	51.2 (2972/5808)
% of W19 aged 65 or above	68.7 (307/447)	67.4 (293/435)	70.9 (264/372)	56.1 (6525/11637)
% of W19 aged 65 or above with code S72	22.1 (68/307)	29.7 (87/29.7)	2.3 (6/264)	36.5 (2379/6525)

**TABLE 4—Number of motor vehicle traffic deaths with 4-character unspecified codes by country, 2001**

ICD-10 code	Title	Australia	Sweden	Taiwan	USA
V01-V99	Transport accidents	2004	637	4835	47083
V099	Pedestrian injured in unspecified transport accident	2	0	8	210
V199	Pedal cyclist [any] injured in unspecified traffic accident	0	3	10	58
V299	Motorcycle rider [any] injured in unspecified traffic accident	11	1	117	540
V399	Occupant [any] of three-wheeled motor vehicle injured in unspecified traffic accident	0	0	0	4
V499	Car occupant [any] injured in unspecified traffic accident	1	20	16	1576
V599	Occupant [any] of pick-up truck or van injured in unspecified traffic accident	1	0	3	78
V699	Occupant [any] of heavy transport vehicle injured in unspecified traffic accident	0	0	0	23
V799	Bus occupant [any] injured in unspecified traffic accident	0	0	1	3
V89	Motor- or nonmotor-vehicle accident, type of vehicle unspecified	38	20	4184	10717
V99	Unspecified transport accident	0	0	0	3

**Figure 1** Items 38-44 on the US standard certificate of death are designed to get more specific information on circumstances of injury (this represents the most recent revision of the standard certificate of death implemented in 2003).

<b>CAUSE OF DEATH (See instructions and examples)</b>				Approximate interval: Onset to death
<p>32. <b>PART I.</b> Enter the chain of events—diseases, injuries, or complications—that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines if necessary.</p> <p>IMMEDIATE CAUSE (Final disease or condition -----&gt; resulting in death)</p> <p>a. _____ Due to (or as a consequence of): _____</p> <p>Sequentially list conditions, if any, leading to the cause listed on line a. Enter the UNDERLYING CAUSE (disease or injury that initiated the events resulting in death) LAST</p> <p>b. _____ Due to (or as a consequence of): _____</p> <p>c. _____ Due to (or as a consequence of): _____</p> <p>d. _____</p>				<p>_____</p> <p>_____</p> <p>_____</p>
<p><b>PART II.</b> Enter other significant conditions contributing to death but not resulting in the underlying cause given in PART I.</p>			<p>33. WAS AN AUTOPSY PERFORMED? • Yes • No</p>	
			<p>34. WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH? • Yes • No</p>	
<p>35. DID TOBACCO USE CONTRIBUTE TO DEATH?</p> <p>• Yes • Probably</p> <p>• No • Unknown</p>		<p>36. IF FEMALE:</p> <ul style="list-style-type: none"> <li>• Not pregnant within past year</li> <li>• Pregnant at time of death</li> <li>• Not pregnant, but pregnant within 42 days of death</li> <li>• Not pregnant, but pregnant 43 days to 1 year before death</li> <li>• Unknown if pregnant within the past year</li> </ul>		<p>37. MANNER OF DEATH</p> <ul style="list-style-type: none"> <li>• Natural • Homicide</li> <li>• Accident • Pending Investigation</li> <li>• Suicide • Could not be determined</li> </ul>
<p>38. DATE OF INJURY (Mo/Day/Yr) (Spell Month)</p>	<p>39. TIME OF INJURY</p>	<p>40. PLACE OF INJURY (e.g., Decedent's home; construction site; restaurant; wooded area)</p>		<p>41. INJURY AT WORK? • Yes • No</p>
<p>42. LOCATION OF INJURY: State: _____ City or Town: _____</p> <p>Street &amp; Number: _____ Apartment No.: _____ Zip Code: _____</p>				
<p>43. DESCRIBE HOW INJURY OCCURRED:</p>			<p>44. IF TRANSPORTATION INJURY, SPECIFY:</p> <ul style="list-style-type: none"> <li>• Driver/Operator</li> <li>• Passenger</li> <li>• Pedestrian</li> <li>• Other (Specify)</li> </ul>	