



2010 Annual Report For Wyoming

**Submitted by:
Nebraska Regional Poison Center
Omaha, Nebraska**

**Nebraska Regional Poison Center is sponsored by:
The Nebraska Medical Center, University of Nebraska Medical Center,
and the Wyoming Department of Health Office of Emergency Medical Services**

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Nebraska Regional Poison Center

The Nebraska Regional Poison Center (NRPC) is committed to providing the highest quality of service for the citizens of Wyoming. It is certified as a regional poison center by the American Association of Poison Control Centers. NRPC and its programs are sponsored through collaborative support from the Wyoming Department of Health Office of Emergency Medical Services, The Nebraska Medical Center, University of Nebraska Medical Center, and the U.S. Department of Health and Human Services.

This report highlights services provided to Wyoming, the medical cost savings associated with the use of NRPC, quality improvement activities, and Wyoming's 2010 poisoning statistics.

24-Hour Emergency Telephone Service

The Nebraska Regional Poison Center operates an emergency telephone service 24 hours a day, seven days per week. It is staffed by a nationally certified team of registered nurses and physicians, whose primary function is to assess and make treatment recommendations during possible poisonings. This service is available to both health care professionals and to the public. A medical toxicologist is always available to provide toxicology consultations as needed.

The following is a summary of Wyoming calls handled by NRPC in 2010:

- Handled 9,197 total calls in 2010
- 5842 calls were regarding human and animal poisoning exposures
- 3,355 calls were for poison or drug information
- 6,451 follow-up calls were made by NRPC staff
- 60% of the poisoning exposures involved children less than 6 years of age
- 84% of poisoning exposures were unintentional; 13% were intentional; 2% were the result of an adverse reaction to a drug or food; and 1% due to contamination, tampering or malicious intent
- Commonly ingested items included medications, cosmetics/personal care products, household cleaning products, foreign bodies, and pesticides
- 72% of poisoning exposures were treated safely at home
- Medical toxicologists provided consultations with Wyoming healthcare providers on the treatment of 162 poisoned patients

Wyoming Public Education

The Nebraska Regional Poison Center's public education activities are organized through Joan McVoy, the education coordinator. Each activity is designed to inform the public about the 24-hour emergency telephone service and to provide education on methods to prevent poisonings. The following is a summary of 2010 activities in Wyoming.

Educational Materials: The Nebraska Regional Poison Center distributed 54,121 poison prevention brochures, telephone stickers, magnets, and other educational materials throughout Wyoming. Pinky the Elephant (mascot costume) was used during 40 presentations.

Videotape Loan Library: The Nebraska Regional Poison Center maintains a lending library of audio-visual programs for all age groups. In 2010, a total of 15,215 people in Wyoming viewed the programs. The following table represents a breakdown of program usage:

<u>Program Type</u>	<u>Number</u>
Primary (Preschool – Third Grade)	191
Intermediate (Fourth Grade – Junior High)	11
Adult (High School and Adults)	8
Total	210

Community Partners

University of Wyoming School of Pharmacy students gave 11 presentations to 1,481 children in the Laramie area elementary schools.

Phyllis Lewis, University Extension Educator at the University of Wyoming in Worland, did a total of 21 presentations for 1,491 students in the counties of Washakie, Hot Springs, Big Horn and Park.

Suzie Delger RN, FNP, nursing coordinator in Casper, distributed materials to 847 people in two outreach opportunities.

Wyoming Visit

Joan McVoy, NRPC's education coordinator, visited Wyoming from September 12-September 17, 2010. Joan's presentations and meetings are summarized below.

- Visited the hospital emergency departments in Cheyenne, Laramie, Casper, Rawlins, Lander, Riverton, Thermopolis, Douglas and Wheatland. She spoke with hospital staff and asked for feedback on NRPC's service. Poison prevention outreach materials were distributed to each hospital.
- Met with instructors and pharmacy students at the University of Wyoming School of Pharmacy. She conducted a training session for pharmacy students on teaching poison prevention to children.

- Visited with the nursing coordinator in Casper, delivered banner and materials for future health fairs and discussed future outreach opportunities.
- Gave the following presentations to schools:
 - Three presentations to a total of 105 students at Alta Vista Elementary in Cheyenne
 - One presentation to 185 students at Mt. View Elementary in Rawlins
 - Two presentations to a total of 100 students at South Elementary in Lander.
 - One presentation to 50 students at Jackson Elementary School in Riverton.
 - One presentation to 85 students at Ralph Witters Elementary in Thermopolis.
- Distributed poison center brochures and magnets to several Wyoming pharmacies.
- Did television news interviews on poison prevention at KTWO in Casper for the morning and evening broadcasts. Also did an interview at KGWN in Cheyenne.

Web Site: The Nebraska Regional Poison Center's web site is continuously updated with educational materials. The address is www.nebraskapoisson.com.

National Poison Prevention Week: Congress intended this event as a means for local communities to raise awareness of the dangers of accidental poisoning. In 2010, the Nebraska Regional Poison Center participated in the following activities:

- Public service announcements, radio, and newspaper interviews
- All daycare providers and preschools in Wyoming were sent postcards informing them of the poison center services and materials that are available to them.
- Proclamation by the Governor was signed for Poison Prevention Week.

Media Interviews: The Nebraska Regional Poison Center regularly sends public service announcements on poison topics to media throughout Wyoming. This generates radio and television interviews and newspaper articles. The subjects varied throughout the year: Poison Prevention Week, carbon monoxide, when to call the poison center, tiki torch fuel, safe food preparation, insect repellants, energy drinks, peppers/canning, bee stings, Halloween safety, holiday hazards, turkey tips, and New Years Eve dangers.

The following table lists NRPC staff's interviews with Wyoming media in 2010.

Date	Media Type	Agency	Topic
1/8/10	Radio	KTWO Radio, Casper	Carbon Monoxide
1/11/10	Newspaper	Snake River Press, Baggs	Carbon Monoxide
3/24/10	Radio	KTWO, Casper	Poison Prevention Week
7/30/10	Radio	Gap Broadcasting, Cheyenne	Insect Repellants
7/30/10	Radio	Gap Broadcasting, Cheyenne	Grilling Hazards - Hydrocarbons and Food Preparation
8/10/10	Newspaper	Sheridan Media	Dangers of Plants in the Yard

9/3/10	Radio	Gap Broadcasting, Cheyenne	Back to School Safety
9/13/10	Television	KGWN, Cheyenne	Energy Drinks, Peppers, Bee Stings
9/16/10	Television	KTWO TV, Casper	Dangers of Prescription Medications
9/16/10	Television	KTWO TV, Casper	Energy Drinks and the Dangers of Caffeine
9/17/10	Newspaper	Torrington Telegram	Back to School Safety
9/23/10	Radio	Gap Broadcasting, Cheyenne	Dangers of Peppers and Canning
10/16/10	Radio	Gap Broadcasting, Cheyenne	Halloween Safety
10/19/10	Radio	KKLX, KWOR, Worland	Halloween Safety
11/15/10	Newspaper	Worland Extension Office Newsletter	Turkey Safety
11/22/10	Radio	Gap Broadcasting, Wyoming	Turkey Safety
11/26/10	Newspaper	Sheridan Wyoming Media.com	Turkey Safety
12/8/10	Radio	KOIS FM	Holiday Hazards
12/12/10	Newspaper	Extension Newsletter for Central WY	Holiday Hazards
12/12/10	Radio	KTWO, Casper	Holiday Hazards
12/13/10	Radio	Gap Broadcasting, Cheyenne	Holiday Hazards
12/21/10	Newspaper	Extension Office Newsletter, Worland	Holiday Hazards
12/27/10	Radio	Gap Broadcasting, Cheyenne	New Years Eve Dangers

Poisoning Data Collection

The Nebraska Regional Poison Center submits all of Wyoming's poisoning data to the American Association of Poison Control Centers. This data is used both nationally and locally to target poison prevention efforts, to improve poisoning treatment, and to identify poisoning trends.

Professional Education

The Nebraska Regional Poison Center contributes regularly to health care professionals' knowledge in the area of clinical toxicology. The medical director writes periodic clinical toxicology updates for emergency department staff. These are faxed to all Wyoming hospital emergency departments and posted on NRPC's web site.

Hazardous Material Incidents/Terrorism

The Nebraska Regional Poison Center assists first responders, hospitals, and the public during hazardous material incidents, such as chemical spills. The center also provides planning and response for chemical, biological, radiological, and nuclear (CBRN) incidents by:

- ◆ Providing immediate CBRN treatment information to health care professionals and the public on a 24-hour basis
 - NRPC staff have received specialized training on CBRN agents
 - NRPC houses an extensive reference library on CBRN agents

- ◆ Providing educational presentations to health care professionals on recognition and management of CBRN agents
- ◆ Assisting the Wyoming Department of Health with surveillance
- ◆ Tracking pharmaceutical capabilities in Wyoming and assisting in the transfer of antidotes between hospitals

An Estimate of Medical Cost Savings From Poison Center Services

The Nebraska Regional Poison Center reduces medical costs associated with treatment of poisoning by decreasing the inappropriate use of emergency departments and by preventing poisoning case progression through early intervention. In addition, NRPC reduces costs by preventing poisonings.

The following shows how NRPC reduced the cost of poisonings in Wyoming in 2010:

Average estimated cost for emergency department poisoning evaluations = \$1245

If Wyoming did not have a poison center, theoretically, all callers in 2010 would have visited an emergency department.

Human poison exposures in 2010 = 5,637

Total cost of emergency department visits = 7,018,065

The majority of exposures were managed safely at home by Wyoming's poison center. In 2010, 4,064 poisoning exposures were managed on-site in a non-health care facility.

The cost savings from the prevention of unnecessary emergency department visits is:
 $4,064 \times \$1,245 = \$5,059,680$

In 2010, the State of Wyoming reduced the cost of poisonings by 72%, resulting in savings of at least **5 million dollars**. For every dollar spent on poison center services by the State of Wyoming, there is a return of **one hundred ten dollars** in saved health care costs to the consumer. This estimate does not incorporate savings resulting from poison prevention efforts throughout Wyoming, increased efficiency in medical management of poisonings, or reductions in ambulance and inpatient care utilization.

2010 Quality Improvement Report

Case Audit:

Case audit is an important component of the Nebraska Regional Poison Center's quality improvement program. All call records are audited daily by Certified Specialists in Poison Information or the Managing Director. Each case is reviewed to determine whether the call was handled appropriately, to check calculation accuracy and documentation completeness. The purpose of auditing is three-fold:

1. Quality Assurance - to ensure proper case management.
2. Education - to help the employee learn from mistakes or learn how a case might have been handled better. The audit is also used to commend the individual when cases are handled well.
3. Data Collection - to maintain a complete and accurate database of poisoning cases.

Calculation Errors: All assessment calculations are checked for accuracy. If the auditor identifies a calculation error, that case is forwarded to the Managing Director who gives a Calculation Error Report to the Specialist. The error report summarizes the case history, identifies the specific calculation error, and lists what the correct calculation should be. The Managing Director uses the sheets as a teaching tool, especially for new Specialists, to discuss calculations that they may not understand. The error reports are also used to identify calculations that need to be focused on during orientation of new staff. Calculation errors are tracked and integrated into Specialists' performance evaluations.

In 2010, the Wyoming calculation error rate was 0.04% (4 errors out of 9,197 calls handled). None of the calculation errors resulted in case mismanagement.

Management Errors: All cases are evaluated for appropriateness of case management. Most cases are audited the same day of the call, and the auditor takes immediate action to optimize patient outcome when a mismanaged case is identified. Deviation from appropriate case management or follow-up results in a management error. Deviation from medical director-approved clinical triage/treatment protocols (unless the case has been discussed with the on-call toxicologist) results in a management error. Failure to do follow-ups at the time stipulated by the clinical protocol is also considered an error. If the auditor identifies an error, the case is forwarded to the Managing Director who gives a Management Error Report to the Specialist and discusses the case with the Specialist as needed. Management errors are tracked and integrated into Specialists' performance evaluations. The error reports have been used to identify problem areas in case management, which are then discussed with staff. The errors have also stimulated the development of new or revised protocols.

In 2010, there were no Wyoming management errors.

2010 Quality Improvement Report

Additional Quality Assurance Activities:

In addition to the regular audit process, all Wyoming hospitalized cases are reviewed by the Medical Director, Dr. Ronald Kirschner. Feedback is then provided to the staff regarding management of those cases. Also, Dr. Kirschner and Dr. Barthold do regular "rounds" with NRPC staff, which is a discussion of the hospitalized cases being followed by staff. The "rounds" involve interactive discussion of the treatment plan and essential information needed during case follow-up.

The Nebraska Regional Poison Center conducted client satisfaction surveying in 2010. Surveys were periodically sent to a random portion of non-health care professional callers. Results are used to monitor overall satisfaction with NRPC. A scale from one (poor) to six (excellent) is used.

Satisfaction Parameter	2010 Average Score
Courtesy	5.89
Clarity of Communication	5.92
Completeness of Information Provided	5.91
Overall Satisfaction With Service Provided	5.95

Continuing education contributes to quality assurance by providing up-to-date toxicology information for NRPC staff. Clinical presentations are provided by specialists in poison information, the medical directors, and various guest speakers. The following topics were presented to staff in 2010:

Date	Topic	Presenter
1/19/10	Carbon Monoxide Teratogens	Karen Smith, RN Beth Conover, MS, C-PNP
2/16/10	Cardiac Medications	Ron Kirschner, MD
3/17/10	Enhanced Elimination Review of Exam Topics	Julie Tomoser, RN Ron Kirschner, MD
4/15/10	CHEMPACKS Treatment of Nerve Agents	Russ Wren, MPA, EMT-B Kathy Jacobitz, RN
7/8/10	Sleep Agents Overview of European Clinical Tox Meeting	Claudia Barthold, MD Ron Kirschner, MD
8/5/10	Cadmium Neem Oil Ibogaine Puffer Fish	Kristyn McEachen, RN Sandy Lurry, RN Julia Kimble, RN Marlys Horky, RN
9/2/10	Health Literacy Nebraska Public Health Lab	Joan McVoy, RN Tony Sambol, MA
9/28/10	Blistering Agents Sodium Channel Blockers Cyclobenzaprine	Andrea Paxton, RN Claudia Barthold, MD Connie Tschetter, RN
10/26/10	2010 North American Congress of Clinical Toxicology Highlights	Karen Smith, RN Ron Kirschner, MD
11/23/10	Toxicology Tips Caffeine Hydrogen Peroxide	Ron Kirschner, MD Karla Finnigan, RN Julie Real, RN

Wyoming 2010 Calls By County

County	Calls	Percent
Laramie	1,277	13.88%
Natrona	1,270	13.81%
Fremont	1,074	11.68%
Sweetwater	858	9.33%
Park	627	6.82%
Campbell	548	5.96%
Albany	466	5.07%
Sheridan	456	4.96%
Uinta	365	3.97%
Lincoln	277	3.01%
Unknown	266	2.89%
Big Horn	234	2.54%
Carbon	215	2.34%
Converse	189	2.35%
Teton	184	2.00%
Platte	154	1.67%
Washakie	139	1.51%
Sublette	109	1.19%
Weston	103	1.12%
Goshen	101	1.01%
Johnson	89	0.97%
Hot Springs	81	0.88%
Crook	71	0.77%
Niobrara	44	0.48%
Total	9,197	100%

Wyoming 2010 Calls From Health Care Facilities

Site of Caller	Number	Percent
Casper Wyoming Medical Center	125	13.6%
Cheyenne United Medical West	90	9.8%
Rock Springs Memorial Hospital of Sweetwater County	84	9.1%
Gillette Campbell County Hospital	73	7.9%
Laramie Ivinson Memorial Hospital	73	7.9%
Riverton Memorial Hospital	57	6.2%
Lander Lander Valley Medical Center	51	5.5%
Evanston IHC Regional Hospital	45	4.9%
Cody West Park Hospital	42	4.6%
Sheridan Memorial Hospital	26	2.8%
Rawlins Memorial Hospital of Carbon County	25	2.7%
Afton Star Valley Hospital	24	2.6%
Powell Powell Hospital	24	2.6%
Lovell North Big Horn Hospital	22	2.4%
Newcastle Weston County Hospital	20	2.2%
Jackson St. John's Hospital	18	1.9%
Wheatland Platte County Hospital	16	1.7%
Thermopolis Hot Springs County	13	1.4%
Kemmerer South Lincoln Medical Center	12	1.3%
Buffalo Johnson County Memorial Hospital	11	1.2%
Casper Mountain View Hospital	11	1.2%
Torrington Community Hospital	11	1.2%
Worland Washakie Memorial Hospital	10	1.1%
Douglas Converse County Hospital	9	1.0%
Sundance Crook County Hospital	6	0.6%
Basin South Big Horn Hospital	6	0.6%
Sheridan VA Medical Center	5	0.5%
Cheyenne VA Medical Center	5	0.5%
Lusk Niobrara County Hospital	5	0.5%
Total	919	100%

Wyoming 2010 Patient Referrals To Health Care Facilities

Site of Referral	Number	Percent
Cheyenne United Medical Center	34	12.9%
Casper Wyoming Medical Center	31	11.8%
Laramie Ivinson Memorial Hospital	23	8.7%
Gillette Campbell County Hospital	20	7.6%
Lander Lander Valley Medical Center	19	7.2%
Riverton Memorial Hospital	17	6.5%
Evanston IHC Regional Hospital	14	5.3%
Sheridan Memorial Hospital	14	5.3%
Wheatland Platte County Hospital	11	4.2%
Rawlins Memorial Hospital of Carbon County	9	3.4%
Cody West Park Hospital	9	3.4%
Powell Powell Hospital	8	3.0%
Jackson St. John's Hospital	8	3.0%
Rock Springs Memorial Hospital of Sweetwater County	7	2.7%
Douglas Converse County Hospital	6	2.3%
Afton Star Valley Hospital	5	1.9%
Torrington Community Hospital	5	1.9%
Worland Washakie Memorial Hospital	4	1.5%
Lovell North Big Horn Hospital	4	1.5%
Casper Mountain View Hospital	3	1.1%
Thermopolis Hot Springs Hospital	3	1.1%
Newcastle Weston County Hospital	3	1.1%
Buffalo Johnson County Hospital	3	1.1%
Kemmerer South Lincoln Medical Center	1	0.4%
Cheyenne VA Medical Center	1	0.4%
Lusk Niobrara County Hospital	1	0.4%
Sundance Crook County Hospital	0	0.0%
Basin South Big Horn Hospital	0	0.0%
Sheridan VA Medical Center	0	0.0%
Total	263	100%

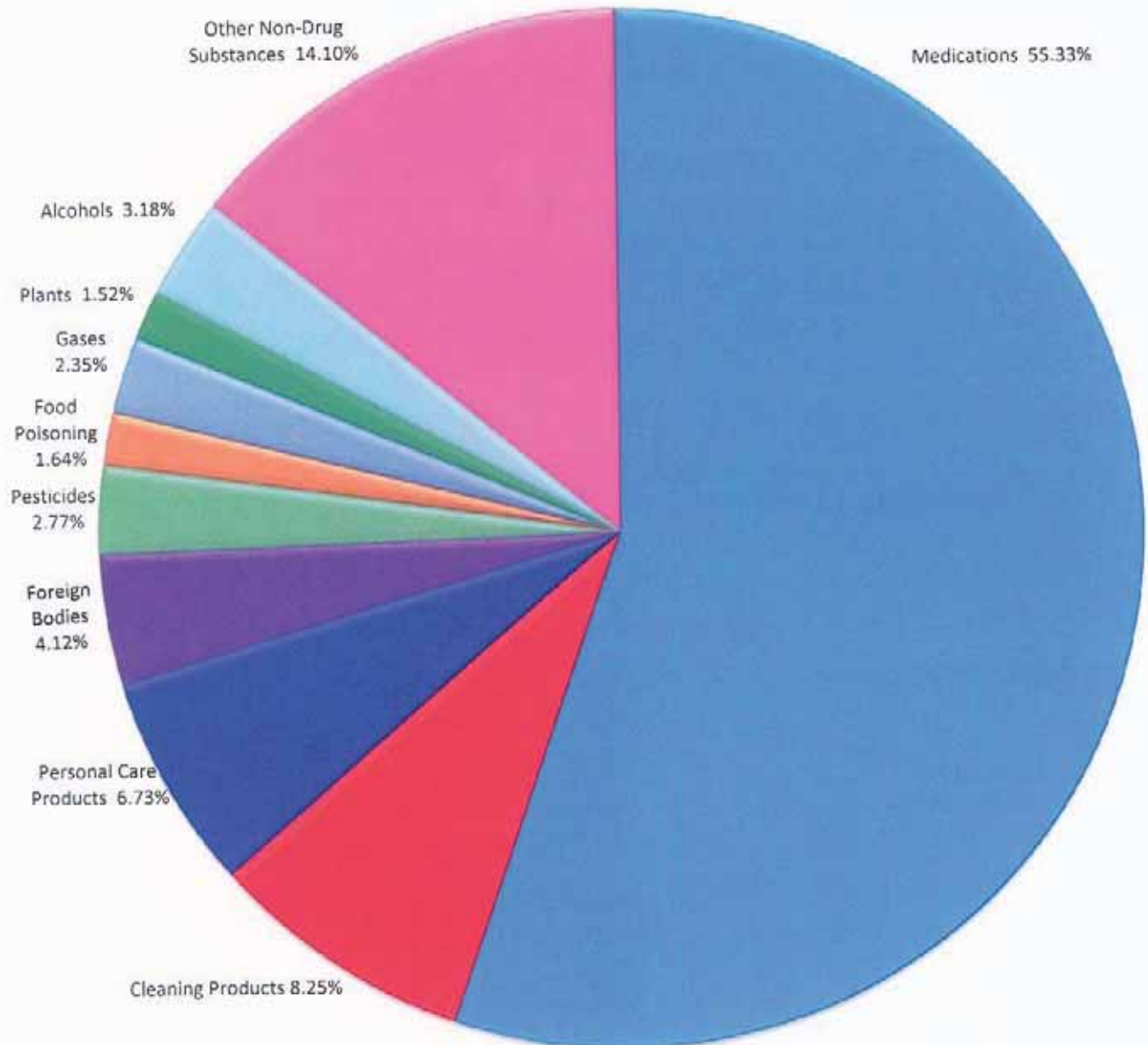
Wyoming 2010 Top Ten Substances: Drug

Substance	Number	% Of Total
Analgesics	786	11.70%
Ibuprofen	236	
Acetaminophen	201	
Acetaminophen (Combined With Other Drugs)	167	
Aspirin-Containing Drugs	42	
Topicals	292	4.35%
Diaper Care/Rash Products	123	
Hydrogen Peroxide	39	
Topical Steroid	30	
Sedative Hypnotics/Anxiolytics	288	4.29%
Antihistamines	261	3.88%
Cold & Cough Preparations	225	3.34%
Antidepressants	225	3.34%
Vitamins	209	3.11%
Cardiovascular Drugs	188	2.80%
Beta Blockers	48	
Antihyperlipidemic	33	
Antimicrobials	162	2.41%
Antibiotics	104	
Gastrointestinal Preparations	149	2.21%
Antacids	74	
Laxatives	37	

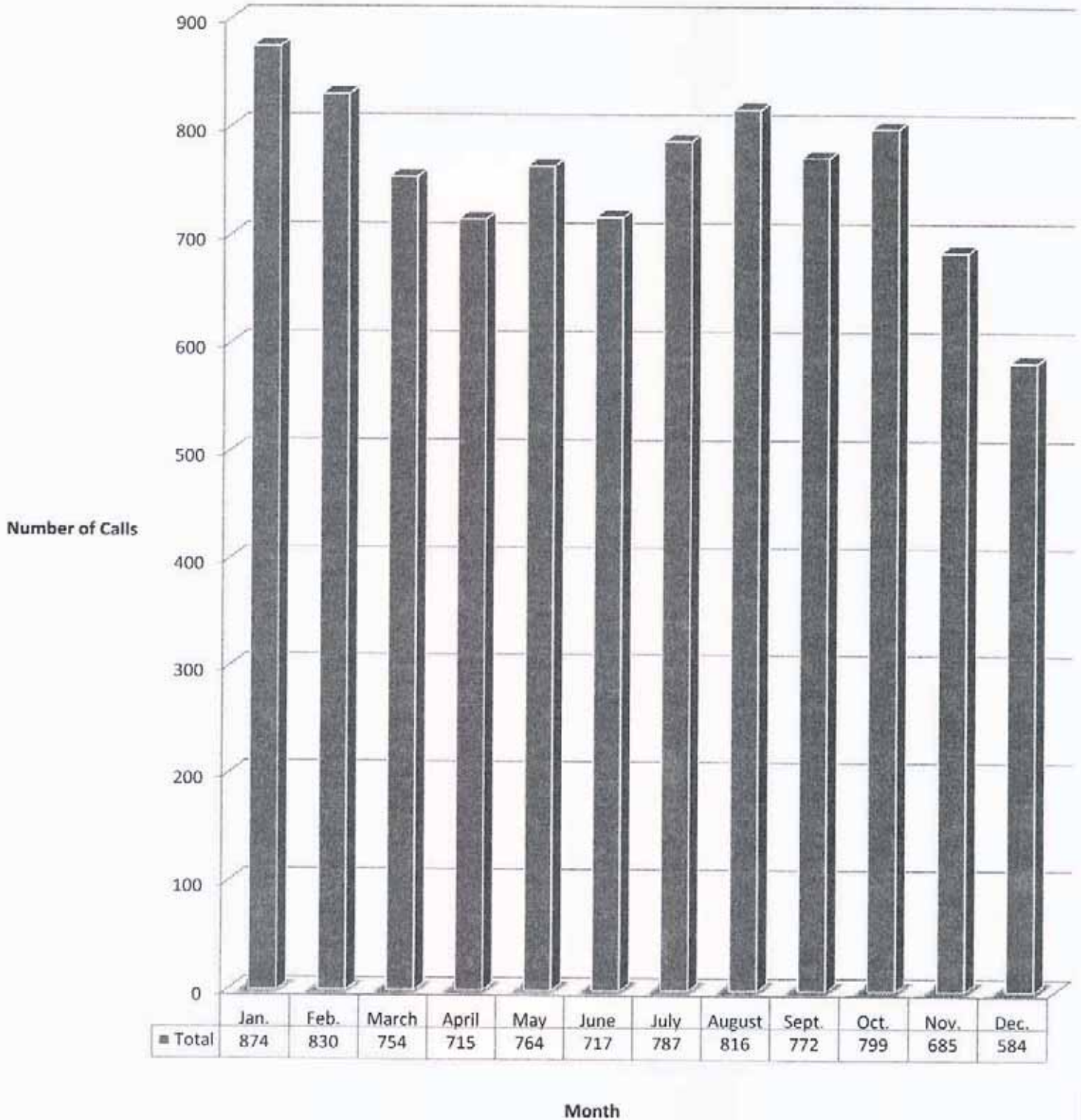
Wyoming 2010 Top Ten Substances: Non-Drug

Substance	Number	% Of Total
Cleaning Substances (Household)	554	8.25%
Bleaches	77	
Automatic Dishwasher Detergents	56	
Wall/Floor/Tile Cleaners	65	
Disinfectants	51	
Cosmetics & Personal Care Products	452	6.73%
Dental Care Products	75	
Nail Care Products	62	
Deodorant	60	
Cream/Lotion/Makeup	51	
Foreign Bodies	277	4.12%
Desiccants	78	
Glow products	67	
Alcohols	214	3.18%
Ethanol	169	
Isopropanol	19	
Pesticides	186	2.77%
Insecticides	70	
Rodenticides	55	
Herbicides	37	
Gases	158	2.35%
Chlorine/Chloramine	45	
Carbon Monoxide	42	
Hydrocarbons	125	1.86%
Gasoline	45	
Lubricating oil/motor oil	17	
Chemicals	123	1.83%
Food Products/Food Poisoning	110	1.64%
Plants	102	1.52%
Non-toxic	16	
Gastrointestinal irritant	14	

2010 Wyoming Exposures by Substance

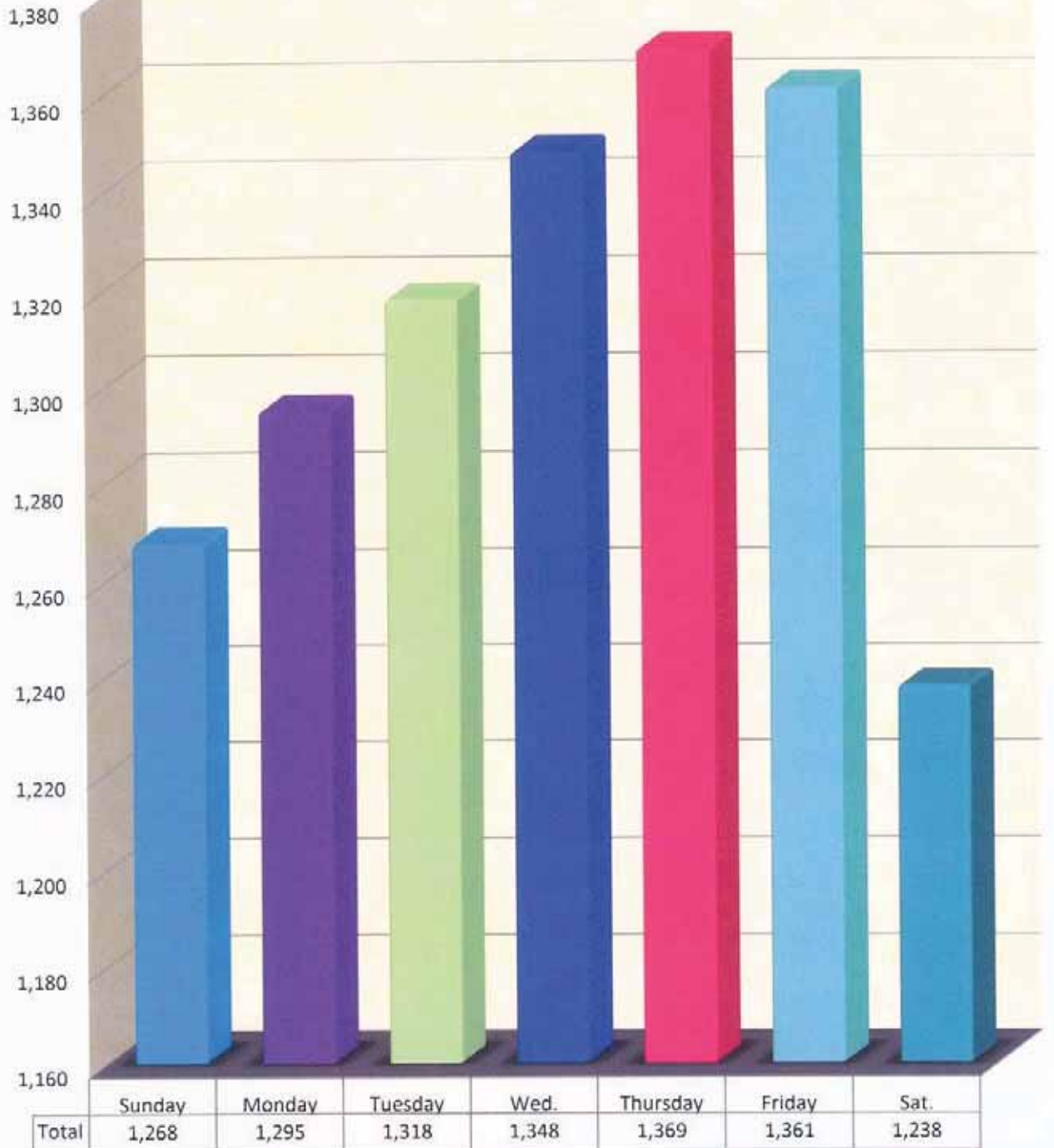


2010 Wyoming Call Volume By Month



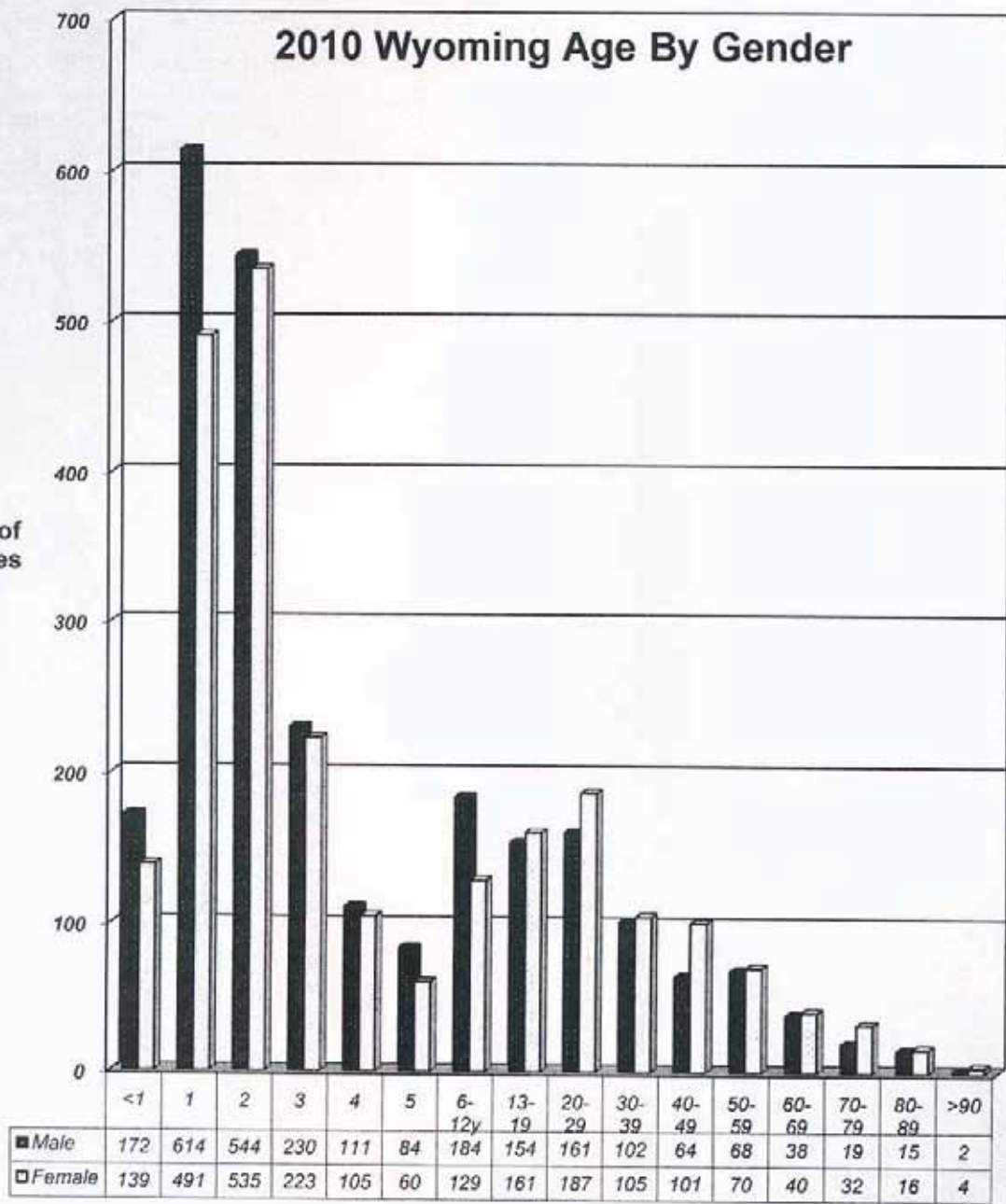
2010 Wyoming Calls By Day Of The Week

Number of Calls



2010 Wyoming Age By Gender

Number of Exposures



Age

Wyoming

2010

Exposures	Non-Industry Cases		Industry Cases		Total	
	Number	Col %	Number	Col %	Number	Col %
Human	5,637	61.29	0	0.00	5,637	61.29
Animal	205	2.23	0	0.00	205	2.23
Subtotal	5,842	63.52	0	0.00	5,842	63.52
Confirmed Nonexposure						
Human	32	0.35	0	0.00	32	0.35
Animal	2	0.02	0	0.00	2	0.02
Subtotal	34	0.37	0	0.00	34	0.37
Information						
Drug identification	2,613	28.41	0	0.00	2,613	28.41
Drug information	259	2.82	0	0.00	259	2.82
Environmental information	38	0.41	0	0.00	38	0.41
Medical information	43	0.47	0	0.00	43	0.47
Occupational information	4	0.04	0	0.00	4	0.04
Poison information	84	0.91	0	0.00	84	0.91
Substance Abuse	32	0.35	0	0.00	32	0.35
Teratogenicity information	5	0.05	0	0.00	5	0.05
Other information	2	0.02	0	0.00	2	0.02
Administrative	7	0.08	0	0.00	6	0.06
Caller Referred	1	0.01	0	0.00	1	0.01
Prevention / Safety / Education	233	2.53	0	0.00	233	2.53
Subtotal	3,321	36.11	0	0.00	3,321	36.11
Total	9,197	100.00	0	0.00	9,197	100.00

Wyoming

2010

	Human Exposures		Animal Exposures		Confirmed NonExp		Information		Invalid/Missing		Total	
	No	Col %	No	Col %	No	Col %	No	Col %	No	Col %	No	Col %
Own residence	4,197	74.45	172	83.90	27	79.41	2,825	85.06	0	0.00	7,221	78.51
Other residence	121	2.15	2	0.98	1	2.94	20	0.60	0	0.00	144	1.57
Workplace	91	1.61	1	0.49	0	0.00	91	2.74	0	0.00	183	1.99
Health care facility	1028	18.24	3	1.46	6	17.65	78	2.35	0	0.00	1,115	12.12
School	23	0.41	0	0.00	0	0.00	123	3.70	0	0.00	146	1.59
Restaurant / food service	1	0.02	0	0.00	0	0.00	0	0.00	0	0.00	1	0.01
Public area	18	0.32	0	0.00	0	0.00	5	0.15	0	0.00	23	0.25
Other	154	2.73	27	13.17	0	0.00	99	2.98	0	0.00	280	3.04
Unknown	4	0.07	0	0.00	0	0.00	80	2.41	0	0.00	84	0.91
Total	5,637	61.29	205	2.23	34	0.37	3,321	36.11	0	0.00	9,197	100.00

Wyoming

2010

Hour	Day of Week by Hour							Total							
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Inv/Missing	Total						
	No	Col %	No	Col %	No	Col %	No	Col %	No	Row % Ave/Hour					
00	39	3.08	48	3.71	44	3.34	35	2.60	39	2.85	42	3.09	284	3.09	41
01	38	2.84	19	1.47	23	1.75	22	1.63	26	1.92	22	1.62	29	2.34	25
02	34	2.68	21	1.62	17	1.29	19	1.41	15	1.10	19	1.40	13	1.05	20
03	14	1.10	12	0.93	11	0.83	3	0.22	13	0.95	14	1.03	16	1.29	12
04	9	0.71	6	0.46	9	0.68	8	0.59	13	0.95	6	0.44	10	0.81	9
05	15	1.18	11	0.85	7	0.53	11	0.82	5	0.37	6	0.44	9	0.73	9
06	9	0.71	14	1.08	7	0.53	4	0.30	4	0.29	11	0.81	7	0.57	8
07	14	1.10	12	0.93	18	1.37	10	0.74	10	0.73	8	0.59	7	0.57	11
08	6	0.47	18	1.39	37	2.81	32	2.37	27	1.97	33	2.42	18	1.45	24
09	25	1.97	44	3.40	45	3.49	44	3.26	43	3.14	38	2.79	34	2.75	39
10	49	3.88	50	3.88	61	4.63	57	4.23	54	4.07	45	3.31	54	4.36	54
11	47	3.71	65	5.10	80	6.07	65	4.82	93	6.79	68	5.00	64	5.17	69
12	58	4.57	53	4.09	67	5.08	78	5.79	74	5.41	70	5.14	64	5.17	66
13	61	4.81	59	4.48	68	5.16	76	5.64	75	5.48	80	5.88	77	6.22	71
14	64	5.05	78	6.02	60	4.55	77	5.71	63	4.60	70	5.14	67	5.41	68
15	72	5.68	88	6.80	76	5.77	85	6.31	74	5.41	82	6.02	72	5.82	78
16	75	5.91	80	6.18	68	5.16	87	6.45	82	5.99	110	8.08	72	5.82	82
17	83	6.55	79	6.10	73	5.54	88	6.53	88	6.57	60	4.41	59	4.77	73
18	100	7.89	93	7.18	105	7.97	99	7.34	89	6.50	101	7.42	99	8.00	96
19	117	9.23	91	7.03	111	8.42	102	7.57	107	7.82	107	7.88	99	8.00	105
20	106	8.38	76	5.87	97	7.36	77	5.71	111	8.11	110	8.08	96	7.75	96
21	102	8.04	110	8.49	85	6.53	100	7.42	121	8.84	115	8.45	92	7.43	104
22	78	6.15	91	7.03	79	5.99	94	6.97	87	6.36	69	5.07	81	6.54	83
23	55	4.34	77	5.95	65	5.16	75	5.56	66	4.82	75	5.51	62	5.01	68
Total	1,268	13.79	1,295	14.08	1,318	14.33	1,348	14.66	1,369	14.89	1,361	14.80	1,238	13.46	1,314

Wyoming

2010

	Exposure Site	
	Number	Col %
Own residence	4,827	85.63
Other residence	233	4.13
Workplace	191	3.39
Health care facility	21	0.37
School	103	1.83
Restaurant / food service	17	0.30
Public area	71	1.26
Other	79	1.40
Unknown	95	1.69
Total	5,637	100.00

AAPCC Toxic Exposure Surveillance System (TESS)
Wyoming
2010

	Number	Col %
Unintentional		
General	3 562	63.19
Environmental	195	2.94
Occupational	168	2.96
Therapeutic error	555	9.85
Misuse	153	2.80
Bite / sting	54	0.96
Food poisoning	60	1.06
Unknown	7	0.12
Total: Unintentional	4,730	83.91
Intentional		
Suspected suicide	416	7.38
Misuse	144	2.55
Abuse	122	2.16
Unknown	34	0.60
Total: Intentional	716	12.70
Other		
Contamination / tampering	28	0.50
Malicious	8	0.14
Withdrawal	7	0.12
Total: Other	43	0.76
Adverse reaction		
Drug	108	1.92
Food	7	0.12
Other	12	0.21
Total: Adverse reaction	127	2.25
Unknown		
Unknown reason	21	0.37
Total: Unknown	21	0.37
Total	5,637	100.00

AAPCC Toxic Exposure Surveillance System (TESS)
Wyoming

2010

	Reason by Age (Adults in Decades)											Total				
	<6	6-12	13-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>=90		Child	Adult Unknown	Invalid	
Unintentional																
General	3,081	180	46	40	17	19	17	13	6	7	3	4	137	2	0	3,562
Environmental	36	18	14	14	8	7	5	3	0	1	0	1	57	2	0	168
Occupational	0	0	6	30	16	14	11	3	0	0	0	0	80	8	0	168
Therapeutic error	144	71	34	32	30	23	36	17	35	13	2	0	115	3	0	555
Misuse	5	15	6	14	11	12	8	5	5	2	0	1	74	0	0	158
Elite / sling	10	5	2	4	5	6	4	1	1	0	0	0	14	2	0	54
Food poisoning	19	3	0	4	3	2	5	2	0	0	0	0	22	0	0	60
Unknown	1	3	0	2	0	0	0	0	0	1	0	0	0	0	0	7
Subtotal	3,306	276	108	140	90	83	85	44	47	24	5	6	499	17	0	4,730
Intentional																
Suspected suicide	0	3	102	110	66	62	29	13	1	2	1	1	26	0	0	418
Misuse	2	21	32	33	14	4	5	8	0	1	0	0	22	2	0	144
Abuse	0	2	44	34	16	8	4	4	1	1	0	0	7	1	0	122
Unknown	0	6	9	7	4	1	2	0	1	0	0	0	4	0	0	34
Subtotal	2	32	187	184	100	75	40	25	3	4	1	1	59	3	0	716
Other																
Contamination / tampering	11	1	0	1	0	0	3	0	0	0	0	0	12	0	0	28
Malicious	0	1	3	2	0	0	1	0	0	0	0	0	1	0	0	8
Withdrawal	0	0	0	2	0	1	0	1	0	0	0	0	3	0	0	7
Subtotal	11	2	3	5	0	1	4	1	0	0	0	0	16	0	0	43
Adverse reaction																
Drug	8	8	11	15	12	4	7	5	1	2	0	0	35	0	0	108
Food	2	1	1	2	1	0	0	1	0	0	0	0	0	0	0	7
Other	1	1	3	0	1	0	1	0	0	1	0	0	4	0	0	12
Subtotal	11	9	15	17	14	4	8	6	1	3	0	0	39	0	0	127
Unknown																
Unknown reason	2	2	5	3	3	2	0	2	0	0	0	0	1	1	0	21
Subtotal	2	2	5	3	3	2	0	2	0	0	0	0	1	1	0	21
Total	3,332	320	318	349	207	165	138	78	51	31	6	7	614	21	0	5,637

Center Name: Nebraska Regional Poison Center

AAPCC Toxic Exposure Surveillance System (TESS)

Wyoming
2010

	Acute/Chronic	
	Number	Col %
Acute	4,808	86.38
Acute-on-chronic	535	9.49
Chronic	163	2.89
Unknown	71	1.26
Total	5,637	100.00

AAPCC Toxic Exposure Surveillance System (TESS)
 Wyoming

2010

Route of Exposure	Number	Col %
Ingestion	4,774	77.80
Inhalation/nasal	389	6.34
Aspiration	6	0.10
Ocular	321	5.23
Dermal	534	8.70
Bite/sting	54	0.88
Parenteral	41	0.67
Rectal	2	0.03
Otic	6	0.10
Vaginal	0	0.00
Other	3	0.05
Unknown	6	0.10
Total	6,136	100.00

Route of Exposure by Management Site

Route	Non-HCF		HCF		Other		Refused Referral		Unknown		Invalid/Missing		Total*	
	No	Row %	No	Row %	No	Row %	No	Row %	No	Row %	No	Row %	No	Col %
Ingestion	3,718	74.24	1,033	20.63	79	1.58	89	1.76	81	1.62	9	0.18	5,008	78.35
Inhalation/nasal	190	47.50	176	44.00	2	0.50	30	7.50	2	0.50	0	0.00	400	6.26
Aspiration (with ingestion)	0	0.00	6	100.00	0	0.00	0	0.00	0	0.00	0	0.00	6	0.09
Ocular	162	50.47	133	41.43	6	1.87	20	6.23	5	0.00	0	0.00	321	5.02
Dermal	430	79.48	91	16.82	7	1.29	8	1.48	0	0.92	0	0.00	541	8.46
Bite/sting	32	57.14	16	28.57	1	1.79	6	10.71	0	0.00	1	1.79	56	0.88
Parenteral	12	29.27	27	65.85	0	0.00	2	4.88	0	0.00	0	0.00	41	0.64
Rectal	2	100.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.03
Otic	2	33.33	4	66.67	0	0.00	0	0.00	0	0.00	0	0.00	6	0.09
Vaginal	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Other	1	33.33	2	66.67	0	0.00	0	0.00	0	0.00	0	0.00	3	0.05
Unknown	3	37.50	2	23.00	1	12.50	1	12.50	1	12.50	0	0.00	8	0.13
Total	4,552	71.21	1,490	23.31	96	1.50	155	2.42	89	1.39	10	0.16	5,392	100.00

*Total refers to total number of routes, not total number of patients

AAPCC Toxic Exposure Surveillance System (TESS)
 Wyoming
 2010

Management Site		Number	Percent
Managed on site/nonhealth care facility		4,064	72.10
Managed in healthcare facility			
Treated/evaluated and released		798	14.16
Admitted to critical care unit		163	2.89
Admitted to noncritical care unit		206	3.65
Admitted to psychiatric facility		69	1.22
Patient lost to follow-up/left AMA		119	2.11
Unspecified level of care		0	0.00
Subtotal		1,355	24.04
Other		62	1.10
Refused referral		146	2.59
Unknown		10	0.18
Total		5,637	100.00

AAPCC Toxic Exposure Surveillance System (TESS)
Wyoming

2010

	Patient Already in HCF			Patient Referred by Poison Center			Total	
	Number	Row %	Col %	Number	Row %	Col %	Number	Col %
Treated/evaluated and released	561	70.30	57.01	237	29.70	45.84	798	53.16
Admitted to critical care unit	154	94.48	15.65	9	5.52	1.74	163	10.86
Admitted to noncritical care unit	172	83.50	17.48	34	16.50	6.58	208	13.72
Admitted to psychiatric facility	57	82.61	5.79	12	17.39	2.32	69	4.60
Patient lost to follow-up/left AMA	40	33.61	4.07	79	66.39	15.28	119	7.93
Refused referral	0	0.00	0.00	146	100.00	28.24	146	9.73
Unspecified level of care	0	0.00	0.00	0	0.00	0.00	0	0.00
Total	984	65.56	100.00	517	34.44	100.00	1,501	100.00

Wyoming

2010

	Reason by Gender											
	Male		Female		Unknown		Invalid/Missing		Total		Col %	
	No	Row %	No	Row %	No	Row %	No	Row %	No	Row %		
Unintentional												
General	1,872	52.55	1,684	47.28	6	12.24	0	0.00	3,562	0.00	63.19	
Environmental	62	37.35	81	48.80	23	46.94	0	0.00	166	0.00	2.94	
Occupational	123	73.21	37	22.02	8	16.33	0	0.00	168	0.00	2.98	
Therapeutic error	255	45.95	298	53.69	2	4.08	0	0.00	555	0.00	9.85	
Misuse	79	50.00	78	49.37	1	2.04	0	0.00	158	0.00	2.80	
Bite / sting	25	46.30	29	53.70	0	0.00	0	0.00	54	0.00	0.96	
Food poisoning	30	50.00	30	50.00	0	0.00	0	0.00	60	0.00	1.06	
Unknown	3	42.86	2	28.57	2	4.08	0	0.00	7	0.00	0.12	
Subtotal	2,449	51.78	2,239	47.34	42	0.89	0	0.00	4,730	0.00	83.91	
Intentional												
Suspected suicide	151	36.30	263	63.22	2	4.08	0	0.00	416	0.00	7.38	
Misuse	77	53.47	63	43.75	4	8.16	0	0.00	144	0.00	2.55	
Abuse	72	59.02	50	40.98	0	0.00	0	0.00	122	0.00	2.16	
Unknown	22	64.71	12	35.29	0	0.00	0	0.00	34	0.00	0.60	
Subtotal	322	44.97	388	54.19	6	0.84	0	0.00	716	0.00	12.70	
Other												
Contamination / tampering	4	14.29	24	85.71	0	0.00	0	0.00	28	0.00	0.50	
Malicious	4	50.00	4	50.00	0	0.00	0	0.00	8	0.00	0.14	
Withdrawal	4	57.14	3	42.86	0	0.00	0	0.00	7	0.00	0.12	
Subtotal	12	27.91	31	72.09	0	0.00	0	0.00	43	0.00	0.76	
Adverse reaction												
Drug	36	33.33	72	66.67	0	0.00	0	0.00	108	0.00	1.92	
Food	3	42.86	4	57.14	0	0.00	0	0.00	7	0.00	0.12	
Other	4	33.33	8	66.67	0	0.00	0	0.00	12	0.00	0.21	
Subtotal	43	33.86	84	66.14	0	0.00	0	0.00	127	0.00	2.25	
Unknown												
Unknown reason	10	47.62	10	47.62	1	2.04	0	0.00	21	0.00	0.37	
Total	2,836	50.31	2,752	48.82	49	0.87	0	0.00	5,637	0.00	100.00	

Wyoming

2010

	Male		Female		Unknown		Invalid/Missing		Total		Cumulative Total	
	No	Row %	No	Row %	No	Row %	No	Row %	No	Col %	No	Cum %
Children (<20 years)												
< 1	172	54.60	139	44.13	4	1.27	0	0.00	315	5.59	315	5.59
1 year	614	55.42	491	44.31	3	0.27	0	0.00	1,108	19.66	1,423	25.24
2 years	544	50.28	535	49.45	3	0.28	0	0.00	1,082	19.19	2,505	44.44
3 years	230	50.66	223	49.12	1	0.22	0	0.00	454	8.05	2,959	52.49
4 years	111	51.39	105	48.61	0	0.00	0	0.00	216	3.83	3,175	56.32
5 years	84	57.93	60	41.38	1	0.59	0	0.00	145	2.57	3,320	58.90
Unknown <= 5 years	3	25.00	5	41.67	4	33.33	0	0.00	12	0.21	3,332	59.11
Child 6-12 years	184	57.50	129	40.31	7	2.19	0	0.00	320	5.68	3,652	64.79
Teen 13-19 years	154	48.43	161	50.63	3	0.94	0	0.00	318	5.64	3,970	70.43
Unknown child	3	42.86	4	57.14	0	0.00	0	0.00	7	0.12	3,977	70.55
Subtotal	2,099	52.78	1,852	46.57	25	0.65	0	0.00	3,977	70.55	3,977	70.55
Adults (>=20 years)												
20-29 years	161	46.13	187	53.58	1	0.29	0	0.00	349	6.19	4,326	76.74
30-39 years	102	49.28	105	50.72	0	0.00	0	0.00	207	3.67	4,533	80.42
40-49 years	64	38.79	101	61.21	0	0.00	0	0.00	165	2.93	4,698	83.34
50-59 years	66	49.28	70	50.72	0	0.00	0	0.00	138	2.45	4,836	85.79
60-69 years	38	48.72	40	51.28	0	0.00	0	0.00	78	1.38	4,914	87.17
70-79 years	19	37.25	32	62.75	0	0.00	0	0.00	51	0.90	4,965	88.08
80-89 years	15	48.39	16	51.61	0	0.00	0	0.00	31	0.55	4,996	89.63
>= 90 years	2	33.33	4	66.67	0	0.00	0	0.00	6	0.11	5,002	89.74
Unknown adult	263	42.83	338	54.72	15	2.44	0	0.00	614	10.69	5,616	99.63
Subtotal	732	44.66	891	54.36	16	0.96	0	0.00	1,639	29.08	5,616	99.63
Other												
Unknown age	5	23.81	9	42.86	7	33.33	0	0.00	21	0.37	5,637	100.00
Invalid/missing age	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	5,637	100.00
Total	2,836	50.31	2,752	48.82	49	0.87	0	0.00	5,637	100.00	5,637	100.00

2010

Decontamination and Therapeutic Intervention

	No. of Patients	% of Cases
No therapy provided	371	6.58
Observation only	1,037	18.40
Patient refused any help	19	0.34
Unknown if therapy provided	681	12.06
Decontamination only	2,648	46.98
Other therapy only	391	6.94
Decontamination and other therapy	490	8.69
Total	5,637	100.00

AAPCC Toxic Exposure Surveillance System (TESS)
Wyoming

2010

	Decontamination						Total	
	Recommended		Known Not Performed		Performed		Not Recommended*	
	Number	Col %	Number	Col %	Number	Col %	Number	Col %
Ipecac	0	0.00	0	0.00	0	0.00	3	0.20
Charcoal, single dose	12	1.50	21	77.78	120	6.12	102	8.64
Charcoal, multiple doses	0	0.00	2	7.41	0	0.00	1	0.07
Lavage	0	0.00	0	0.00	0	0.00	10	0.85
Cathartic	0	0.00	0	0.00	0	0.00	11	0.72
Whole bowel irrigation	2	0.25	1	3.70	1	0.05	0	0.00
Other emetic	0	0.00	0	0.00	0	0.00	91	5.93
Dilute/irrigate/wash	440	55.07	3	11.11	1,463	74.57	915	59.61
Fresh air	20	2.50	0	0.00	56	2.85	208	13.55
Food/snack	325	40.68	0	0.00	322	16.41	194	12.64
Total**	799	18.48	27	0.62	1,952	45.39	1,535	35.51

** Note, this is the total number of decontaminations, NOT the total number of patients receiving decontamination.

	Unknowns if Performed				Recommended				Cibicides Therapies				Performed				Total	
	Number	Col %	Number	Col %	Number	Col %	Number	Col %	Number	Col %	Number	Col %	Number	Col %	Number	Col %	Number	Col %
AAU/calcium	7	4.05	4	18.18	19	6.55	5	0.75	39	2.32								
Amyl nitrite	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Antiarrhythmic	0	0.00	0	0.00	0	0.00	1	0.08	1	0.06								
Antibiotic	4	2.31	0	0.00	7	2.41	57	5.59	78	4.63								
Anticonvulsants	0	0.00	0	0.00	0	0.00	5	0.42	5	0.30								
Antiemetics	2	1.16	0	0.00	0	0.00	73	6.09	75	4.46								
Antihistamines	6	3.47	0	0.00	7	2.41	45	3.76	58	3.45								
Antihypertensives	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Antivenom (Fab Fragment)	0	0.00	0	0.00	0	0.00	2	0.17	2	0.12								
Antivenom (Fab Fragment)	0	0.00	1	4.55	0	0.00	4	0.33	5	0.30								
Aspirin	5	4.62	0	0.00	21	7.24	81	5.09	90	5.35								
Benzocaine	4	2.31	0	0.00	7	2.41	22	1.84	33	1.96								
Bronchodilators	30	17.34	0	0.00	51	17.59	0	0.00	88	5.23								
Calcium	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Cardioversion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
CPR	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Deferoxamine	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
EDMO	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
EDTA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Ethanol	0	0.00	0	0.00	0	0.00	1	0.08	1	0.06								
Emacorp, procedure (other)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Flu fragments	2	1.16	2	9.09	29	10.00	347	28.95	380	22.98								
Flucl. IV	1	0.58	0	0.00	0	0.00	6	0.50	7	0.42								
Flumazenil	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Folate	4	2.31	1	4.55	8	2.75	2	0.17	15	0.89								
Fomepizole	0	0.00	0	0.00	3	1.03	3	0.25	6	0.36								
Glucagon	3	1.73	0	0.00	0	0.00	5	0.40	8	0.48								
Glucose, > 5%	1	0.58	0	0.00	1	0.34	0	0.00	2	0.12								
Hemodialysis	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Hemofiltration	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Hydrocortisone	1	0.58	0	0.00	1	0.34	0	0.00	2	0.12								
Hypertonic oxygen	2	1.16	0	0.00	3	1.03	0	0.00	5	0.30								
Insulin	0	0.00	0	0.00	0	0.00	35	2.92	35	2.08								
Intubation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Methylene blue	10	5.76	5	22.73	26	8.97	18	1.59	50	3.57								
MAC, IV	11	6.36	3	13.64	13	4.48	3	0.25	30	1.78								
MAC, PO	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Nalmefene	3	1.73	1	4.55	2	0.69	3	0.25	4	0.24								
Naloxone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Neurovascular blocker	0	0.00	0	0.00	1	0.34	0	0.00	1	0.06								
Oxalate	5	2.89	5	22.73	25	8.67	153	13.19	194	11.53								
Oxygen	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
2-PAM	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Pancemaxel	0	0.00	0	0.00	0	0.00	2	0.17	2	0.12								
Penicillamine	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Physostigmine	0	0.00	0	0.00	0	0.00	2	0.17	2	0.12								
Physostigmine	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Pyridoxine	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Sedation (other)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Sodium nitrite	0	0.00	0	0.00	0	0.00	25	2.17	27	1.60								
Sodium thiosulfate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Steroids	2	1.16	0	0.00	2	0.69	0	0.00	30	1.78								
Succimer	0	0.00	0	0.00	1	0.34	0	0.00	1	0.06								
Transferrin	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Vasopressors	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Ventilator	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00								
Other	67	38.73	22	1.31	59	20.34	32	2.67	300	18.00								
Total**	173	10.28	22	1.31	290	17.23	1,198	11.15	1,863	100.00								

** Note: Total number of other therapies is given. NOT the total number of patients receiving other therapies.

2010

Medical Outcomes by Age

	<6	6-12	13-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	Unknown			Invalid	Total
											>=90	Child	Adult		
No effect	445	31	27	22	15	6	15	3	3	5	2	1	41	2	618
Minor effect	283	53	121	121	65	56	37	22	6	3	1	4	178	3	953
Moderate effect	39	9	48	55	44	45	23	10	4	2	0	0	49	1	350
Major effect	0	0	3	9	11	4	4	4	2	2	0	0	1	0	40
Death	0	0	0	1	2	1	0	1	0	0	0	0	0	0	5
Death, indirect report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No follow-up, nontoxic	490	38	11	7	8	4	2	4	4	2	0	0	38	1	598
No follow-up, minimal toxicity	1,571	168	78	71	36	27	32	21	28	15	3	1	253	11	2,715
No follow-up, potentially toxic	21	8	21	29	14	11	9	6	1	1	0	1	32	3	155
Unrelated effect	93	15	9	13	12	11	7	7	3	1	0	0	23	0	203
Subtotal for exposures	3,332	320	318	349	207	165	138	78	51	31	6	7	615	21	5,637
Confirmed nonexposure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,332	320	318	349	207	165	138	78	51	31	6	7	615	21	5,637

Wyoming

2010

Medical Outcome by Reason

	Unintentional		Intentional		Other		Adverse Reaction		Unknown		Invalid/Missing		Total	
	No	Row %	No	Row %	No	Row %	No	Row %	No	Row %	No	Row %	No	Col %
No effect	559	90.45	54	8.74	3	0.49	0	0.00	2	0.32	0	0.00	618	10.96
Minor effect	668	70.09	244	25.60	11	1.15	26	2.73	4	0.42	0	0.00	953	16.91
Moderate effect	134	38.28	193	55.14	4	1.14	16	4.57	3	0.86	0	0.00	350	6.21
Major effect	5	12.50	32	80.00	0	0.00	2	5.00	1	2.50	0	0.00	40	0.71
Death	0	0.00	5	100.00	0	0.00	0	0.00	0	0.00	0	0.00	5	0.09
Death, indirect report	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
No follow-up, nontoxic	581	97.16	8	1.34	7	1.17	2	0.33	0	0.00	0	0.00	596	10.61
No follow-up, minimal toxicity	2,558	94.22	84	3.09	12	0.44	57	2.10	4	0.15	0	0.00	2,715	48.16
No follow-up, potentially toxic	64	41.29	81	52.26	3	1.94	2	1.29	5	3.23	0	0.00	155	2.75
Unrelated effect	161	79.31	15	7.39	3	1.48	22	10.84	2	0.99	0	0.00	203	3.60
Subtotal for exposures	4,730	83.91	716	12.70	43	0.76	127	2.25	21	0.37	0	0.00	5,637	100.00
Confirmed nonexposure	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Total	4,730	83.91	716	12.70	43	0.76	127	2.25	21	0.37	0	0.00	5,637	100.00