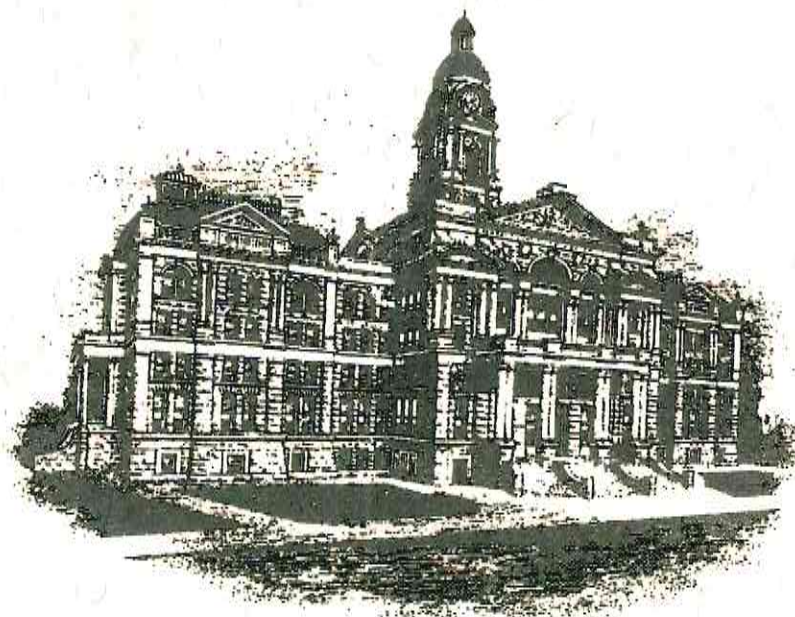




Tarrant County  
Medical Examiner  
and  
Forensic Science  
Laboratories

# TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT



*Serving Tarrant, Denton and Parker Counties*

200 Feliks Gwozdz Place  
Fort Worth, Texas 76104  
817.920.5700 Office  
817.920.5713 Fax

## Annual Report 2004

FROM THE OFFICE OF THE  
**Tarrant County Chief Medical Examiner**



*Our Commitment and Philosophy . . .*

*Whenever we are called upon to assist, even if it is outside the defined jurisdiction, out of the scope of our duties, or otherwise removed from our responsibilities under the law, it is our general policy to help the individual reach the appropriate person, agency or organization who can assist.*

*Our Mission Statement . . .*

*The primary purpose of the Tarrant County Medical Examiner's Office is to assist the public and Law Enforcement Agencies to determine the cause of death due to unnatural causes, medically unattended or death due to violence, using state of the art laboratory and forensic science facilities.*



Sincerely,

A handwritten signature in blue ink that reads "Dr. Nizam Peerwani". The signature is fluid and cursive, extending across the width of the page.

Dr. Nizam Peerwani  
Chief Medical Examiner



## PREFACE

The mission of the Tarrant County Medical Examiner's Office is to serve the public by conducting death investigations in a timely and professional manner. The function of the Office is defined by Statutes 49.25, 49.05 and related statutes of the Code of Criminal Procedure, State of Texas. The over-riding philosophy of the Office is to provide assistance to the public, even if it is outside the defined jurisdiction, out of the scope of mandated duties, or otherwise removed from responsibility under the law, by helping the individual reach the appropriate agency, organization or person who can assist.

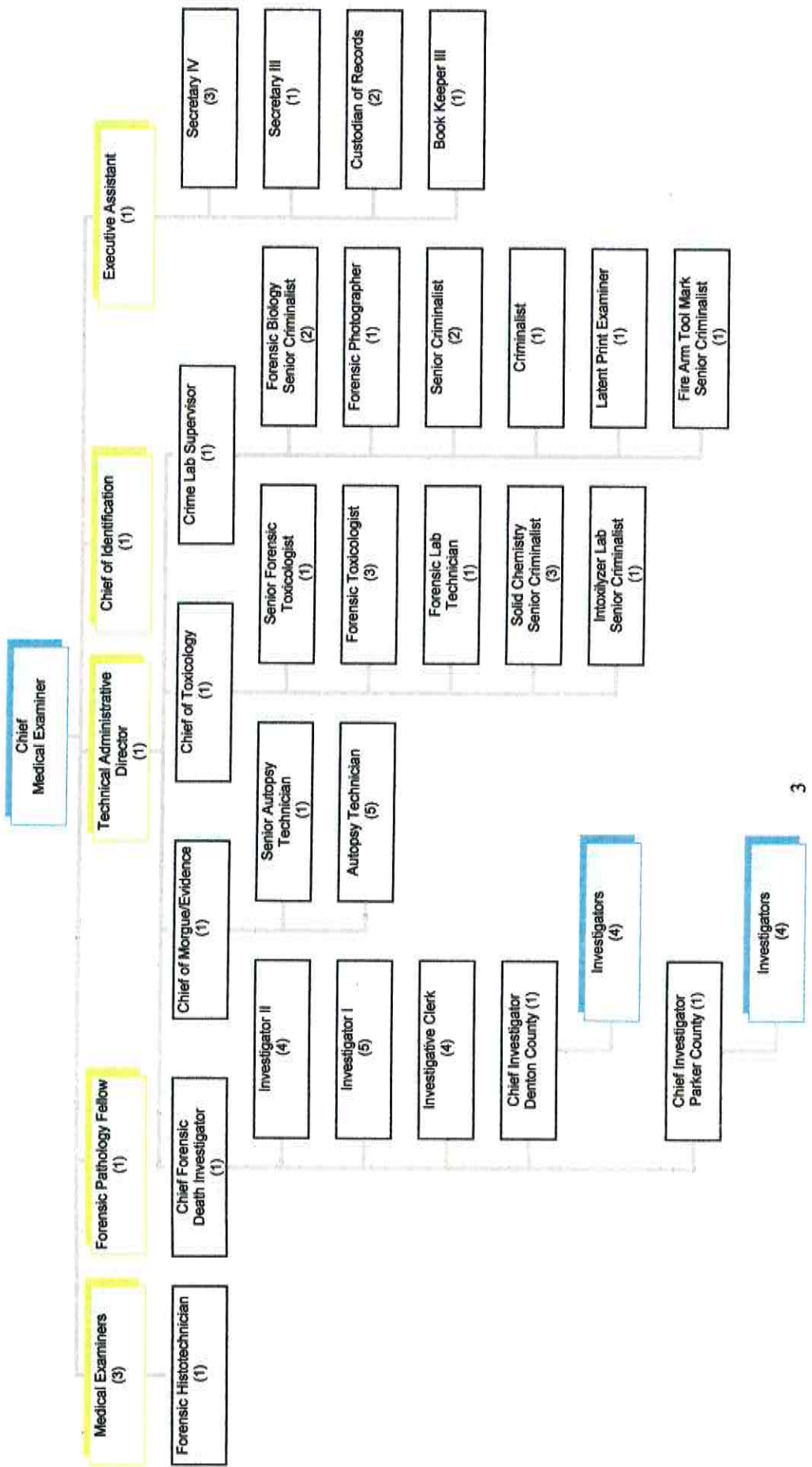


The Tarrant County Medical Examiner's Office serves three adjoining counties, including Tarrant, Denton and Parker, with a combined population base exceeding 2.2 million. Since its inception in 1965, the Tarrant County Medical Examiner's Office has sought to promote evidentiary investigation to corroborate eyewitness accounts in order to satisfy the best evidence rule, which requires that all hearsay statements be verified, by independent and reproducible scientific investigation.

To meet this challenge, the Tarrant County Government has supported the establishment of a state-of-the-art Central Morgue and Forensic Laboratories that serve not only the needs of the District Medical Examiner, but also those of the District Attorney's Office, the Sheriff's Office, as well as large numbers of law enforcement agencies in North Central Texas. The Tarrant County Medical Examiner's Office and the Forensic Laboratories are in compliance with the State of Texas Accreditation as defined by Title 37, Texas Administrative Code, Chapter 28, Subchapter H and currently hold full accreditation by the American Society of Crime Lab Directors/Laboratory Accreditation Board (ASCLD/LAB) as well the National Association of Medical Examiners Program.

The District Office requires all professional staff members, especially its physicians, to participate in continuing education programs in their respective field of expertise. Furthermore, the District offers internship and externship programs to medical and graduate medical students including those from Baylor University Medical Center as well as the University of North Texas Health Science Center. In December 2004, the District Office hosted the 5<sup>th</sup> Annual Forensic Science Conference, which was co-sponsored by the Texas Wesleyan Law School and supported by Harris-Methodist, Fort Worth. And finally, our Forensic Fellowship Program (approved by the United States Joint Commission on Graduate Medical Education) will graduate its first Fellow on June 30, 2005.

Over the years, the professional staff at the Tarrant County Medical Examiner's Office has served a much wider law enforcement community through involvement in various national and international forensic investigations including those in Waco, Texas, the genocides in Rwanda and Bosnia, and many human rights missions on behalf of the United Nations and Physicians For Human Rights in troubled parts of the world such as Guatemala, Kosovo, Palestine, Afghanistan and more recently in Iraq.





**ADMINISTRATION  
&  
STAFF**





Julieta Alvidres

Larry G. Anderson

Linda F. Anderson

Dana Austin, PhD

Bill Bailey

Jamie Becker

Kelly Belcher, MS

John Briggs



Curtis Clary

Christine Cortez

Terry Cumming

Glynn Dill

Kirsten Dix

Patricia C. Eddings, BS

Pat ElRashid

Michael Floyd, BS



Mark Fondren, MS

Gloria Hamilton, BS

John E. Harris, MS

Joyce Y. Ho, BS

Sue Howe, PhD

Donna Jones

Mick Kimbrow

Paul Krieg



Marc Krouse, MD

Beryl Landry

Connie Lewis

Jimmy McDonald

Alberto Medina

Roger Melcalf, DDS

Donna Montemayor

Michelle O'Neal, BS



Connie Patton, BS

Nizam Peerwani, MD

Tracy Poirier, BS

Ronnie Redic

Larry Reynolds

Ronald Singer, MS

Gary Sisler, DO

Mike Smith



Angela Springfield, PhD

Larry Steffler

Celina Stroud

Tommy Swan

Sherry Thompson

Darrell Thompson, BS

Carolyn Van Winkle, MS

Tracy Vancil



Cheryl Wheeler

Steve White

Lloyd White, MD, PhD

Damerick Williams

Traci Wilson

Novella Young

Nannepaga Zachariah, PhD



## MEDICAL EXAMINERS

Nizam Peerwani, M.D.	Chief Medical Examiner
Marc Krouse, M.D.	Deputy Chief Medical Examiner
Gary Sisler, D.O.	Deputy Medical Examiner
Robert Lloyd White, M.D., Ph.D.	Deputy Medical Examiner
Obinna Ugwu, M.D.	Forensic Pathology Fellow

## ADMINISTRATION

Nannepaga Zachariah, Ph.D.	Technical Administration Director
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## FORENSIC DEATH INVESTIGATION

### Tarrant County

Darrell Thompson, B.S.	Chief Forensic Death Investigator
Michael Floyd, B.S.	Forensic Death Investigator II
Gloria Hamilton, B.S.	Forensic Death Investigator II
John Briggs	Forensic Death Investigator II
Tommy Swan	Forensic Death Investigator II
Curtis Clary	Forensic Death Investigator I
Jimmy McDonald	Forensic Death Investigator I
Larry Steffler	Forensic Death Investigator I
Stephen White	Forensic Death Investigator I
Mick Kimbrow	Forensic Death Investigator II
Amy Renfro	Investigative Clerk
Tracy Vancil	Investigative Clerk
Celina Stroud	Investigative Clerk
Paul Krieg	Investigative Clerk

### Denton County

John Looper, B.S.	Chief Forensic Investigator
Sharon Baughman	Forensic Death Investigator
Troy Taylor	Forensic Death Investigator
Dan Lintner	Forensic Death Investigator
Dina Kacick	Forensic Death Investigator

### Parker County

Kelly Green, B.A.	Forensic Death Investigator
Jack Head, REMT-P	Forensic Death Investigator
Gary Van Y, M.B.A.	Forensic Death Investigator
Bill King	Forensic Death Investigator
J.C. Travis	Forensic Death Investigator

## **FORENSIC CRIMINALISTICS LABORATORY**

Ronald Singer, M.S.	Crime Lab Supervisor
Constance Patton, B.S.	Senior Forensic Biologist
Carolyn VanWinkle, M.S.	Senior Forensic Biologist
Patricia Eddings, B.S.	Trace Evidence Supervisor
Dana Austin, Ph.D.	Anthropologist
Kelly Belcher, M.S.	Trace Analyst
Larry Reynolds	Forensic Photographer
Bill Bailey	Latent Finger Print Examiner
Jamie Becker, B.S.	Senior Criminalist – Firearms & Tool Marks

## **FORENSIC CHEMISTRY and TOXICOLOGY LABORATORY**

Angela Springfield, Ph.D.	Chief Forensic Toxicologist
Joyce Ho, B.S.	Toxicology Lab Manager
Beryl Landry, B.S.	Forensic Toxicologist
Tracye Poirier, B.S.	Forensic Toxicologist
Mark Fondren, M.S.	Senior Forensic Chemist
John Harris, M.S.	Senior Forensic Chemist
Michelle O'Neal, B.S.	Senior Forensic Chemist
Susan Howe, Ph.D.	Forensic Toxicologist
Cheryl Wheeler, B.S.	Forensic Toxicologist
Connie Lewis, B.S.	Forensic Toxicologist

## **HISTOLOGY**

Mike Smith, B.S.	Forensic Histotechnician
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## **HUMAN IDENTIFICATION and EVIDENCE SERVICES**

Roger Metcalf, D.D.S.	Chief of Identification Services
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## **SECRETARIAL SERVICES**

Linda Anderson	Executive Assistant
Terry Cumming	Medical Secretary IV
Sherry Thompson	Medical Secretary IV
Kirsten Dix	Medical Secretary IV
Donna Jones	Medical Secretary III
Novella Young	Records Custodian
Julieta Alvidres	Records Clerk
Donna Montemayor	Bookkeeper III



## **MORGUE/EVIDENCE SERVICES**

Larry Anderson	Director of Morgue/Evidence Services
Ronnie Redic	Senior Autopsy Technician
Patricia ElRashid	Autopsy Technician/Evidence
Alberto Medina	Autopsy Technician/Evidence
Traci Wilson	Autopsy Technician/Evidence
Glynn Dill	Autopsy Technician/Evidence
Damerrick Williams	Autopsy Technician/Evidence

## **BUILDING ENGINEER**

Jun Lumadilla

## **MEDICAL EXAMINER STAFF**

### **NIZAM PEERWANI, M.D. - CHIEF MEDICAL EXAMINER**

Dr. Peerwani is a graduate of the American University of Beirut (MD '76). He completed his residency in pathology at Baylor University Medical Center in Dallas, and is board certified in clinical, anatomic and forensic pathology. Currently he is the Chief Medical Examiner for Tarrant, Denton and Parker counties in the state of Texas and has held this position since July 1979. His academic affiliations include the University of North Texas Health Science Medical Center and Baylor College of Dentistry as Clinical Adjunct Professor. He is an advocate of child safety and served on the Texas Child Fatality Review Committee as an expert in Forensic Medicine. Dr. Peerwani is also an advocate of Human Rights and serves as an expert consultant for Physicians for Human Rights with completed assignments in Rwanda, Bosnia, Indonesia, Cyprus Afghanistan and Israel for genocide and human rights violations under auspices of the United Nations Tribunal.

### **MARC KROUSE, M.D. - DEPUTY CHIEF MEDICAL EXAMINER**

Dr. Krouse graduated from Texas A&M University with a B.S. degree (1974) in zoology, and from the University of Texas Southwestern Medical School with a M.D. degree (1977). Dr. Krouse completed his pathology residency at Baylor University Medical Center. Dr. Krouse has served as Deputy Medical Examiner (1978-85) and is currently Deputy Chief Medical Examiner (1985-present).

**GARY L. SISLER, D.O. - DEPUTY MEDICAL EXAMINER**

Dr. Sisler graduated from the University of Toledo (1959) with a B.S. degree before completing his D.O. degree (1965) at the Kansas City College of Osteopathic Medicine. A board certified diplomat of both the American Board of Forensic Examiners and the American Board of Forensic Medicine, Dr. Sisler is also certified in anatomic and clinical pathology by the American Board of Pathology. Dr. Sisler joined the medical examiner staff in 1989.

**ROBERT LLOYD WHITE, M.D., PH.D. - DEPUTY MEDICAL EXAMINER**

Dr. White earned a B.S. degree (1965) from University of Tulsa, Oklahoma, and a M.D. degree (1972) from University of Oklahoma, College of Medicine. He completed his residency in anatomic and clinical pathology at Baylor University Medical Center in 1976, and completed a fellowship in forensic pathology through the Southwestern Institute of Forensic Sciences, University of Texas, Southwestern Medical Center in Dallas, Texas. Dr. White's medical specialty certification include anatomic, clinical and forensic pathology. He worked with Affiliated Pathologies group in Denton, Texas, between 1977 and 1989 as Director of Autopsy Services and also served as Chief of Medical Staff, Lewisville Memorial Hospital in Lewisville, Texas. Between 1989 and 1992 he served as Mississippi State Medical Examiner and visiting clinical assistant professor of pathology at the University of Mississippi Medical Center. He worked as Nueces County Chief Medical Examiner in Corpus Christi, Texas, between 1992 and 2002. Before joining the Tarrant County Medical Examiner's Office in February 2005, he was a consulting forensic pathologist between 2003 and 2005. In addition to his experience as a teacher and a researcher, he also has a degree in Theology from the University of Dallas, Texas (1988).

**OBINNA UGWU,, M.D. – FORENSIC PATHOLOGY FELLOW**

Dr. Ugwu joined the Forensic Pathology Fellowship program at the Tarrant County Medical Examiner's Office starting July 2004. Dr. Ugwu obtained his M.D. degree from the University of Nigeria, Enugu Nigeria. He did his residency in Anatomic and Clinical Pathology at Metro Medical Center, a campus of Case Western Reserve University School of Medicine in Cleveland, Ohio.

## **ADMINISTRATION**

**NANNEPAGA ZACHARIAH, PHD. - TECHNICAL ADMINISTRATIVE DIRECTOR**

Dr. Zachariah joined the Medical Examiner's office in June 2000. He has Ph.D. degrees from India and from the University of Nebraska in Biochemistry (1976). After completing a Post Doctoral Fellowship at Cleveland Clinic he worked in the Pathology Departments at Baylor University Medical Center and Osteopathic Medical Center of Texas. Certified by the American Board of Bioanalysts as a High Complexity Laboratory Director, he has several publications and actively participates in Scientific and Professional organizations. His teaching affiliation includes UNT Health Science Center and Tarleton State University.



## **FORENSIC DEATH INVESTIGATION**

### **TARRANT COUNTY:**

**DARRELL R. THOMPSON, B.S. - CHIEF FORENSIC DEATH INVESTIGATOR**

Mr. Thompson began working as a medical investigator in 1980 following a distinguished career with the Fort Worth Police Department, where he served in the patrol, special enforcement, crime scene, and homicide divisions. Mr. Thompson earned a B.S. degree (1981) from East Texas State University. In addition, he has an Advanced Peace Officer certificate from TCLEOSE, and is a Registered Medicolegal Death Investigator with the American Board of Medicolegal Death Investigators.

### **DENTON COUNTY:**

**JOHN W. LOOPER, B.S. - CHIEF FORENSIC DEATH INVESTIGATOR**

Mr. Looper entered the ranks of the Denton County office in 1997 after a law enforcement career in which he served as a peace officer, criminal investigator and law enforcement agency administrator. In addition, he was operations chief of the North Central Texas Council of Governments - Regional Police Academy for several years. Mr. Looper was promoted to Chief Forensic Death Investigator in 2000.

### **PARKER COUNTY:**

**KELLY A. GREEN, B.A. - FORENSIC DEATH INVESTIGATOR**

After earning his B.A. degree in 1988, Mr. Green began his law enforcement career. In 1993, Mr. Green became a forensic death investigator for the Parker County office and is a diplomat with the American Board of Medicolegal Death Investigators (2000).

## **HUMAN IDENTIFICATION SERVICES**

### **ROGER METCALF, D.D.S. - CHIEF OF IDENTIFICATION SERVICES**

A lifelong resident of Tarrant County, Roger Metcalf graduated from Baylor University with a B.S. in biology in 1973 and from Baylor College of Dentistry with a D.D.S. in 1977. He is currently enrolled in the M.S. program in forensic sciences at Oklahoma State University.

Dr. Metcalf has practiced general dentistry in Arlington for 27 years and has served as a member of the mass disaster dental identification team since 1980. Dr. Metcalf was one of the dentists who participated in identifying the victims of the Delta 1141, Delta 191 and Mount Carmel incidents.

Dr. Metcalf was appointed Chief of Identification Services in 2004.

## **FORENSIC CRIMINALISTICS LABORATORY**

### **RONALD L. SINGER, M.S. - CRIME LABORATORY SUPERVISOR**

Mr. Singer graduated with a B.S. (1967) from Tulane University and a M.S. (1978) from Loyola University. He joined the medical examiner's district in 1989 and began the process of establishing the staffing and operation of the Forensic Laboratories.

## **FORENSIC TOXICOLOGY LABORATORY**

### **ANGELA C. SPRINGFIELD, PH.D. - CHIEF FORENSIC TOXICOLOGIST**

Dr. Springfield graduated from Vassar College with an A.B. (1964) degree, and from the University of Rhode Island with M.S. (1967) and Ph.D. (1971) degrees. Certified in forensic toxicology by the American Board of Forensic Toxicology, she joined the medical examiner's office in 1983. Additionally, Dr. Springfield is active in several professional societies and has approximately twenty articles published in peer-reviewed journals.



## **SECRETARIAL SERVICES**

### **LINDA F. ANDERSON – EXECUTIVE ASSISTANT**

Accepting employment as a medical secretary in 1994, Ms. Anderson is currently the Administrative Assistant for both the Chief and Deputy Chief Medical Examiner's. She is responsible for scheduling pathologist's for morgue duty, directs physician scheduling of court appearances and professional engagements, trains secretarial staff, interacts with families and general public. In addition to her responsibility, she acts as the Public Information Officer for the office. Ms. Anderson's previous employment history includes office manager/procurement technician for Harris Methodist Tissue Services and Court Clerk with the City of Fort Worth Municipal Court.

## **MORGUE/EVIDENCE SERVICES**

### **LARRY G. ANDERSON - DIRECTOR OF MORGUE/EVIDENCE SERVICES**

Mr. Anderson is one of the senior most employees of this office and his services, starting from 1976, include developing morgue and evidence procedures for this office. Mr. Anderson is also in charge of building maintenance and related quality control programs.

## GENERAL SUMMARY



**GENERAL SUMMARY**

Type of Case	Tarrant	Denton	Parker	Total
Medical Examiner	1462	247	75	1784
Non-Jurisdiction	N/A	N/A	N/A	336
Reportable (Jurisdiction Waived)	4956	871	181	6008
<b>Total</b>	<b>6418</b>	<b>1118</b>	<b>256</b>	<b>8128</b>

<b>Forensic Pathology</b>				
Autopsy Examinations (Complete)	853	144	45	1042
Autopsy Examinations (Incisional)	385	49	11	442
External Examinations	224	54	19	297
Radiological Examinations	N/A	N/A	N/A	498
Histology Examinations				1460
Death Certificates Issued	1462	247	75	1784
Cremation Letters Issued	1654	311	64	2029

<b>Criminalistics Laboratory</b>		
Cases Processed		2661
Services Performed		84,545

<b>Identification Services</b>				
Identified Remains	140	27	4	171
Non-jurisdictional	13	0	0	13
<b>Total</b>	<b>140</b>	<b>27</b>	<b>4</b>	<b>184</b>

<b>Child Fatality Review Team</b>				
Cases Reviewed	111	14	6	131

**TARRANT COUNTY - COMPARATIVE SUMMARY**

<b>MANNER OF DEATH CLASSIFICATION</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<b>Population</b>	1,508,950	1,553,850	1,628,200
<b>Natural</b>	773	713	716
<b>Accidental</b>	402	405	428
<b>Suicide</b>	131	165	146
<b>Homicide</b>	116	116	108
<b>Undetermined</b>	41	35	25
<b>Pending</b>	N/A	5	6
<b>Non-Human Remains</b>	N/A	13	17
<b>Total M.E. Cases</b>	1463	1452	1462
<b>Reportable (Jurisdiction Waived)</b>	4953	4953	4956
<b>Total Cases</b>	6424	6405	6418

**TARRANT COUNTY - SERVICES PROVIDED**

<b>Services Provided</b>	<b>2002</b>	<b>Change</b>	<b>2003</b>	<b>2004</b>	<b>Change</b>
<b>M.E. Cases</b>	1463	5.9%	1452	1462	0.6%
<b>Reportable Cases</b>	4953	5.1%	4953	4956	0.06%
<b>Total Cases</b>	<b>6416</b>	<b>5.3%</b>	<b>6405</b>	<b>6418</b>	<b>0.2%</b>
<b>Autopsy Exams (Complete)</b>	861	8.8%	848	853	0.6%
<b>Autopsy Exams (Incisional)</b>	233	8.4%	226	385	70.3%
<b>External Exams</b>	377	-4.1%	365	224	-38.6%
<b>Radiological Exams</b>	392	30.6%	391	498	27.3%
<b>Histological Exams</b>	440	-4.6%	1055	1460	38.3%
<b>Death Certificates</b>	1463	5.9%	1452	1670	15.1%
<b>Cremation Letters</b>	1901	0.0%	1901	1901	0.0%
<b>Toxicology Requests</b>	1749	-40.0%	1691	1706	0.8%
<b>Toxicology Tests</b>	13,788	2.8%	14,472	19,681	35.9%
<b>Identification Cases</b>	132	-14.8%	217	140	-5.4%
<b>Criminalistics Cases</b>	2682	1.7%	2647	2661	0.53%



**DENTON COUNTY-COMPARITIVE SUMMARY**

<b>Classification</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<b>Population</b>	475,600	504,650	552,600
<b>Natural</b>	119	149	129
<b>Accidental</b>	88	79	49
<b>Suicide</b>	43	36	49
<b>Homicide</b>	20	14	17
<b>Undetermined</b>	5	13	2
<b>Non-Jurisdictional</b>	0	0	0
<b>TOTAL M.E. CASES</b>	275	291	247
<b>Reportable (Jurisdiction Waived)</b>	843	854	871
<b>TOTAL CASES</b>	1118	1145	1118

**DENTON COUNTY - SERVICES PROVIDED**

<b>Services Provided</b>	<b>2002</b>	<b>Change</b>	<b>2003</b>	<b>2004</b>	<b>Change</b>
<b>M.E. Cases</b>	275	12.6%	291	247	17.8%
<b>Reportable Cases</b>	843	3.3%	854	871	1.9%
<b>Total Cases</b>	1118	5.5%	1145	1118	-2.3%
<b>Autopsy Exams (Complete)</b>	180	10.4%	191	144	-24.6%
<b>Autopsy Exams (Incisional)</b>	50	51.5%	57	49	-14%
<b>External Exams</b>	47	-6.0%	43	54	25.5%
<b>Radiological Exams</b>	43	1.9%	38	41	7.8%
<b>Death Certificates</b>	275	12.6%	291	281	-3.4%
<b>Cremation Letters</b>	330	0.0%	330	330	0.0%
<b>Toxicology/Chemistry Requests</b>	285	92.5%	170	114	-32.9%
<b>Identification Cases</b>	18	88.8%	34	27	20.5%

**PARKER COUNTY - COMPARATIVE SUMMARY**

<b>Classification</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<b>Population</b>	94,750	98,450	107,400
<b>Natural</b>	49	45	36
<b>Accidental</b>	33	27	24
<b>Suicide</b>	10	12	12
<b>Homicide</b>	5	2	2
<b>Undetermined</b>	1	4	1
<b>Non-Jurisdictional</b>	0	0	0
<b>Total M.E. Cases</b>	<b>98</b>	<b>90</b>	<b>75</b>
<b>Reportable (Jurisdiction Waived)</b>			
	261	210	181
<b>Total Cases</b>	<b>360</b>	<b>300</b>	<b>256</b>

**PARKER COUNTY - SERVICES PROVIDED**

<b>Services Provided</b>	<b>2002</b>	<b>Change</b>	<b>2003</b>	<b>2004</b>	<b>Change</b>
<b>M.E. Cases</b>	98	18.0%	90	75	-16.6%
<b>Reportable Cases</b>	261	1.2%	210	181	-13.8%
<b>Total Cases</b>	359	5.3%	300	256	-14.6%
<b>Autopsy Exams (Complete)</b>					
	60	30.4%	59	45	-23.7%
<b>Autopsy Exams (Incisional)</b>					
	23	9.5%	19	11	-42.0%
<b>External Exams</b>					
	16	0.0%	12	19	-58.3%
<b>Radiological Exams</b>					
	14	0.0%	12	14	16.6%
<b>Death Certificates</b>					
	98	18.0%	90	86	-4.4%
<b>Cremation Letters</b>					
	63	0.0%	63	59	-6.3%
<b>Toxicology/Chemistry Requests</b>					
	66	10.0%	47	58	8.5%
<b>Identification Cases</b>					
	11	118.0%	4	4	0.0%

**STATISTICAL SUMMARY  
1994-2004**



## Tarrant, Denton and Parker Counties - Records

TYPE	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>Total Records</b>	6209	6111	6480	6733	6862	5881	5970	6180	6420	6405	6418
<b>ME Cases</b>	1578	1539	1558	1619	1721	1315	1440	1381	1463	1452	1786
<b>Natural</b>	744	728	780	825	842	648	757	721	773	713	881
<b>Accidental</b>	359	392	396	406	472	345	356	355	402	405	501
<b>Suicide</b>	205	201	191	192	191	116	132	143	131	165	224
<b>Homicide</b>	227	167	127	137	128	128	133	128	116	116	127
<b>Undetermined</b>	33	34	53	48	65	53	52	34	41	35	28

## Total Number of Autopsies for Tarrant, Denton and Parker Counties

COUNTY	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>Tarrant</b>	990	909	894	925	992	861	862	791	861	848	853
<b>Denton</b>	124	126	134	131	181	141	167	163	180	191	144
<b>Parker</b>	54	44	58	32	57	46	56	46	60	59	45

### ME Cases – Tarrant County

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>Autopsy</b>	990	909	894	925	992	861	862	791	861	848	853
<b>Partial</b>	44	104	81	119	101	171	338	215	233	226	385
<b>External</b>	301	278	291	339	312	277	197	393	377	365	224

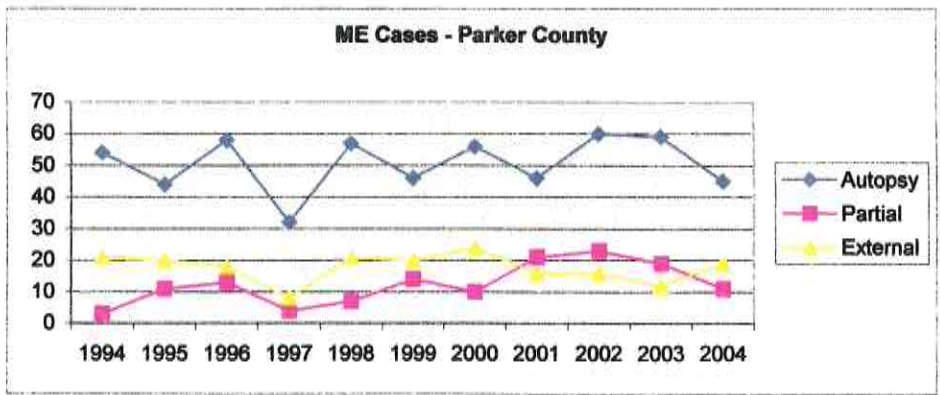
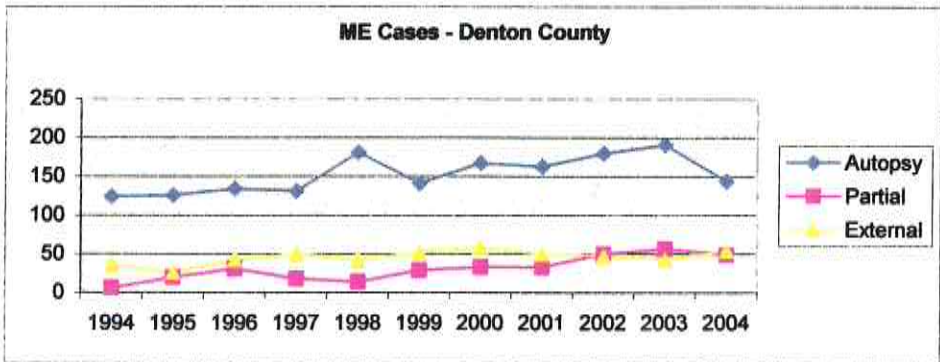
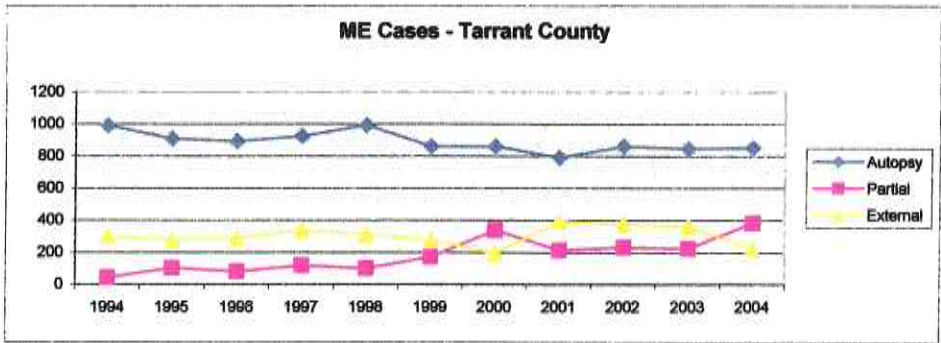
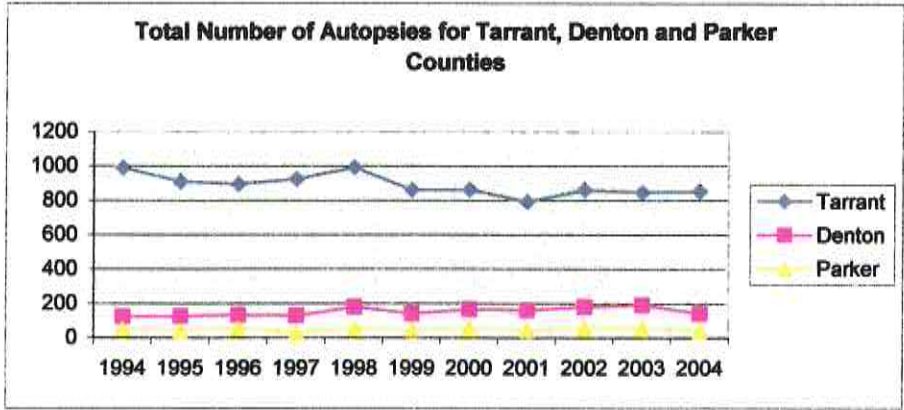
### ME Cases – Denton County

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>Autopsy</b>	124	126	134	131	181	141	167	163	180	191	144
<b>Partial</b>	6	20	31	18	14	29	33	33	50	57	49
<b>External</b>	36	26	42	50	42	52	58	50	47	43	54

### ME Cases – Parker County

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>Autopsy</b>	54	44	58	32	57	46	56	46	60	59	45
<b>Partial</b>	3	11	13	4	7	14	10	21	23	19	11
<b>External</b>	21	20	18	8	21	20	24	16	16	12	19





## ACCIDENTS

### TARRANT COUNTY

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>Accidents</b>	279	326	131	336	373	345	359	355	402	405	428
<b>Vehicular</b>	84	105	90	105	98	162	76	155	157	144	164
<b>% Vehicular of Total Accidents</b>	30.1%	32.2%	28.8%	31.1%	26.3%	47.0%	21.2%	43.7%	39.1%	35.6%	38.3%

*See graph on next page*

### DENTON COUNTY

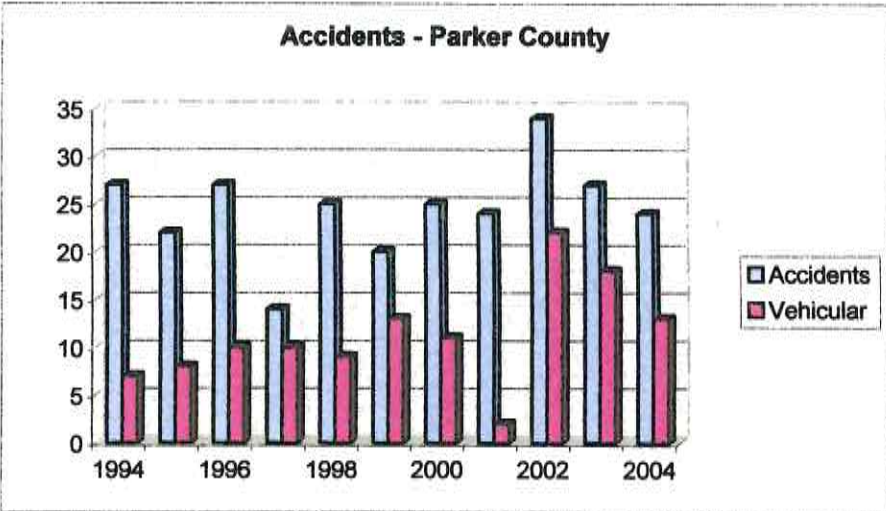
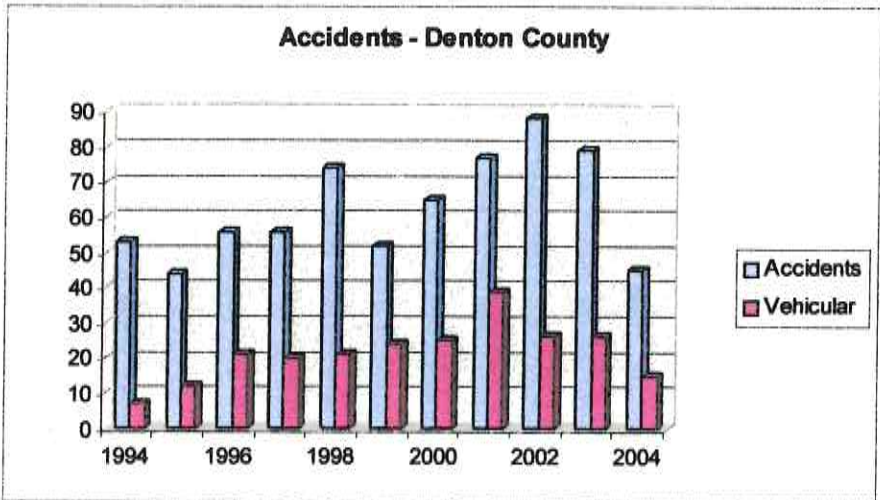
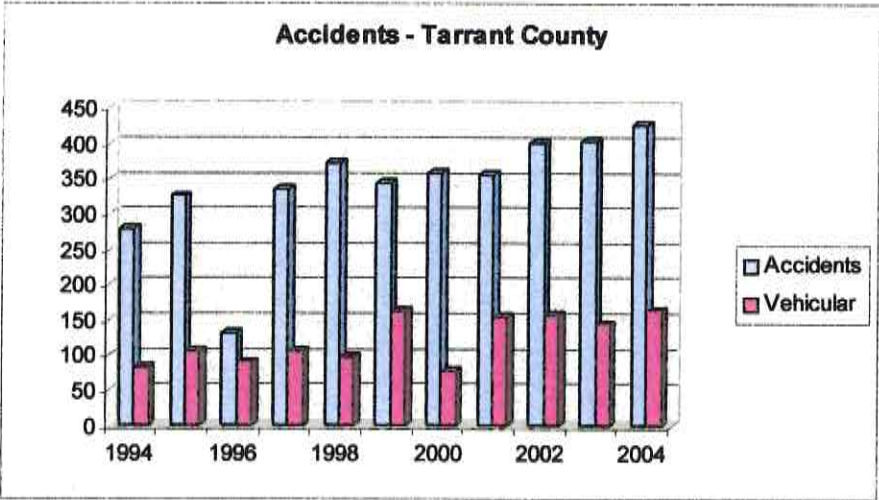
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>Accidents</b>	53	44	56	56	74	52	65	77	88	79	45
<b>Vehicular</b>	7	12	21	20	21	24	25	39	26	26	15
<b>% Vehicular of Total Accidents</b>	13.2%	27.3%	37.5%	35.7%	28.4%	46.2%	38.5%	50.6%	29.5%	36.7%	21.2%

*See graph on next page*

### PARKER COUNTY

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>Accidents</b>	27	22	27	14	25	20	25	24	34	27	24
<b>Vehicular</b>	7	8	10	10	9	13	11	2	22	18	13
<b>% Vehicular of Total Accidents</b>	25.9%	36.4%	37.0%	71.4%	36.0%	65.0%	44.0%	8.3%	64.7%	66.7%	54.1%

*See graph on next page*



**OFFICE DIVISIONS**





## FORENSIC DEATH INVESTIGATION



Primarily, the purpose of the medical examiner's office is to conduct an inquest or investigation into the cause and manner of deaths occurring within a defined jurisdiction. Therefore, the Tarrant County Medical Examiner's District staffs an around-the-clock investigative division responsible for initiating a formal response to all reportable cases. Investigators within the district inquired into more than 8000 deaths in 2004. Forensic investigators are trained specially in a multi-disciplinary capacity, and possess unique education and abilities including knowledge of criminal investigation techniques, relevant aspects of forensic medicine, crime scene processing skills, and maintenance of case integrity. Additionally, each investigator must be capable of conducting effective interviews, locating and notifying next-of-kin, and interacting with law enforcement personnel. Once a jurisdictional death is reported, the investigator attends the scene or hospital where the death occurred. After conducting the initial investigation, the investigator prepares a detailed case report containing biographical data on the decedent, a narrative of the events leading up to the time of death or discovery of the decedent, and a summation of all investigative analyses and leads. In addition, investigators coordinate with hospitals, physicians, law enforcement agencies, employers, families, and other pertinent sources to gather information that might be of value to the determination of the cause and manner of death.

### TARRANT COUNTY DEATH INVESTIGATIONS

<b>Manner of Death</b>	<b>Cases Investigated</b>	<b>Fractional Demand</b>
<b>Natural</b>	716	11.1%
<b>Accidental</b>	428	6.6%
<b>Suicide</b>	146	2.6%
<b>Homicide</b>	108	2.2%
<b>Undetermined</b>	25	0.38%
<b>Non-Human Remains</b>	17	0.26%
<b>Reportable (Jurisdiction Waived)</b>	4956	77.2%
<b>Total</b>	<b>6418</b>	<b>100%</b>

### DENTON COUNTY DEATH INVESTIGATIONS

Manner of Death	Cases Investigated	Fractional Demand
Natural	129	11.5%
Accidental	49	4.3%
Suicide	49	4.3%
Homicide	17	1.5%
Undetermined	2	0.17%
Non-Human Remains	0	0.0%
Reportable (Jurisdiction Waived)	871	77.9%
<b>Total</b>	<b>1118</b>	<b>100%</b>

### PARKER COUNTY DEATH INVESTIGATIONS

Manner of Death	Cases Investigated	Fractional Demand
Natural	36	14.0%
Accidental	24	9.3%
Suicide	12	4.7%
Homicide	2	0.8%
Undetermined	0	0.0%
Non-Human Remains	1	0.4%
Reportable (Jurisdiction Waived)	181	70.7%
<b>Total</b>	<b>256</b>	<b>100 %</b>

## SECRETARIAL SERVICES



Secretaries for the medical examiner's office provide a diverse complement of support services for the daily operation of business. In addition to performing the usual secretarial tasks, each medical secretary assists in the management of records, complex transcription services, and interaction with bereaved families, law enforcement agencies, hospitals and funeral homes. Included in their responsibilities is the issuance of death certificates, cremation letters and amended death certificates as well as scheduling pathologists for court appearance. In 2004, medical secretaries generated over 2000 letters of authorization for cremation, produced 1847 autopsy reports, issued 1847 death and amended death certificates and performed numerous other tasks relevant to the administration of existing records and information.





# FORENSIC TOXICOLOGY AND CHEMISTRY LABORATORY

## FORENSIC TOXICOLOGY



Forensic toxicological services were established at the medical examiner's office in 1983. Subsequently, the toxicology laboratory has expanded to include mass spectrometry, gas chromatography, and high-pressure liquid chromatography analysis. The toxicology laboratory provides drug testing to assist the medical examiners in determining the cause and manner of death by isolating, identifying, and determining the level of chemicals in specimens. Additionally, the forensic toxicology laboratory participates regularly in established analytical proficiency testing and quality assurance programs, and acquired the forensic chemistry laboratory in October, following an interagency realignment of personnel and services.

## INTOXILYZER PROGRAM

An intoxilyzer instrument provides an objective, scientific means of testing someone who is suspected by police to have been driving under the influence of alcohol by measuring a sample of the suspect's breath for determinable levels of alcohol concentration. Grant funds supplied by the Texas Department of Transportation were used to establish the ME office's intoxilyzer program. Under the program, forensic chemists establish intoxilyzer test sites, calibrate and maintain equipment, and train intoxilyzer operators, which benefits local police agencies.



## FORENSIC CHEMISTRY



Forensic chemists analyze drugs submitted by other agencies. Drug types received commonly range from clandestine chemical substances to therapeutic or prescribed medications. Cocaine, heroin, marijuana, and amphetamines, all drugs of abuse, represent the most common products received for chemical assay. Daily, law enforcement agencies within the medical examiner's district are faced with the challenge of identifying drugs found subsequent to an arrest or search warrant execution. Chemistry lab personnel also perform gunshot residue tests to determine whether a particular person may have discharged a firearm.

**FORENSIC TOXICOLOGY**  
**CASES RECEIVED AND PROCESSED**

	<b>Tarrant</b>	<b>Denton</b>	<b>Parker</b>	<b>Consults</b>	<b>Total</b>
<b>January</b>	65	6	2	50	123
<b>February</b>	60	7	5	56	128
<b>March</b>	75	10	3	71	159
<b>April</b>	87	9	3	59	158
<b>May</b>	65	18	5	70	158
<b>June</b>	63	6	4	69	142
<b>July</b>	64	15	5	63	147
<b>August</b>	64	7	3	64	138
<b>September</b>	56	2	13	62	133
<b>October</b>	55	1	6	51	113
<b>November</b>	55	16	4	73	148
<b>December</b>	71	17	5	66	159
<b>Total</b>	780	114	58	754	1706

**Chemistry (All Counties)**

	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total</b>
<b>Cases</b>	136	194	176	140	152	124	131	120	80	102	103	117	1575
<b>S'vcs</b>	355	415	395	414	352	264	308	264	292	248	338	267	3912

**SERVICES PERFORMED**

	<b>ABN</b>	<b>Alcohol</b>	<b>BZD's</b>	<b>Cannabis</b>	<b>CO</b>	<b>Cocaine</b>	<b>Opiate</b>	<b>Amph</b>	<b>Other</b>	<b>Total</b>
<b>January</b>	470	303	45	141	14	141	141	45	75	<b>1375</b>
<b>February</b>	378	256	117	133	32	133	133	117	96	<b>1395</b>
<b>March</b>	548	338	143	143	0	143	143	143	27	<b>1628</b>
<b>April</b>	374	238	92	92	10	92	92	92	69	<b>1151</b>
<b>May</b>	394	295	119	119	0	119	119	119	16	<b>1300</b>
<b>June</b>	502	357	218	218	13	218	218	218	60	<b>2022</b>
<b>July</b>	342	211	107	122	13	122	122	107	52	<b>1198</b>
<b>August</b>	450	346	134	144	8	144	144	134	12	<b>1516</b>
<b>September</b>	366	292	101	113	0	113	113	101	22	<b>1221</b>
<b>October</b>	286	311	94	98	0	98	98	94	0	<b>1079</b>
<b>November</b>	416	335	144	152	5	144	144	144	32	<b>1516</b>
<b>December</b>	330	347	153	144	0	160	160	153	76	<b>1523</b>
<b>Total</b>	<b>4856</b>	<b>3629</b>	<b>1467</b>	<b>1619</b>	<b>95</b>	<b>1627</b>	<b>1627</b>	<b>1467</b>	<b>537</b>	<b>16,924</b>



## FORENSIC CRIMINALISTICS LABORATORY

The Tarrant County Medical Examiner's District operates a full-service forensic science laboratory, which serves the needs of the medical examiner's office, district attorney's offices, and law enforcement agencies. Equipped with modern analytical apparatus, the lab combines scientific technology with an experienced professional staff. Specialized sections of the forensic laboratory identify, analyze, and report on various forms of evidence such as DNA, blood spatter, trace matter, chemical compounds, firearms, tool marks, latent fingerprints, questioned documents, and skeletal remains. In 2004, forensic scientists with the medical examiner's office received cases, performed over 52,000 analyses, and reported findings relevant to those examinations

### FORENSIC BIOLOGY

With the advent of DNA technology, genetic "fingerprinting" is now an important component of many cases falling within the jurisdiction of the medical examiner and the legal system. DNA examination provides the ability to restrict potential population of persons, to which a biological sample might belong, to a much smaller subset of suspects. Such a determination is extremely useful in identifying the source of the blood and, subsequently, connecting that source to a particular death or crime scene. Forensic biologists with the forensic laboratories utilize two different techniques to work with DNA samples. In one method, the DNA is extracted and analyzed directly from the sample. In the second procedure, polymerase chain reaction (PCR), extracted DNA is "amplified" as an aid to later analysis.



### TRACE EVIDENCE



Trace evidence is that evidence which is either difficult to see or invisible to the unaided human eye, or that evidence which is not obvious overtly. Analysis of trace evidence is required for identification and comparison purposes. Hair, glass, paint, and fibers are among the more common materials collected and submitted for examination. Utilizing advanced technology, such as a scanning electron microscope (SEM), the trace analyst is capable of enhancing an image up to 300,000 times its normal size. Identifying characteristics of a piece of evidence, such as a machining defect and the source from which it originated, can be matched through the capabilities of the SEM.



## **TRACE EVIDENCE, cont.**

Trace analysis depends upon the reliability and validity of the tests utilized to make a determination of the usefulness of a given piece of evidence. The trace analyst, as other criminalists, must be knowledgeable of relevant and scientifically sound analytical, investigative methodologies. Further, the trace analyst must also be competent in applying the principles and techniques of the natural and physical sciences to all performed analyses of evidence recovered during an investigation. Only when such criteria are met will the findings and interpretations thereof be admissible in court.

## **FIREARMS AND TOOL MARKS**



Examination and analysis of firearms, projectiles, ballistics, and markings imparted by any form of tool, fall within the purview of the firearms and tool marks laboratory. Accurate findings are essential in helping a pathologist determine the cause and manner of death. Weapons submitted are examined for inherent characteristics, unique identifiers, and safety-related factors. Range-of-fire determinations can be carried out on a 30-foot indoor range. DrugFire, a program established by the FBI in 1995 to track open-case expended cartridge and projectile firearm evidence, was added in 1996. Retrieved projectiles and cartridge cases are scanned digitally into a computer database, which assimilates and compares similar information from other geographic regions. Matches of a particular case or projectile can assist in identifying previously unrelated weapons used in crimes.

## **FORENSIC ANTHROPOLOGY**

Bones comprise the structural framework of the human body. Due to their properties, bones decompose much slower than many other tissues and organs; thus, they are capable often of providing clues that assist examiners in determining the cause and manner of death. Skeletal remains can provide information such as the race, stature, age, and gender of the decedent. Evidence of trauma or natural disease may also be identified. X-ray comparisons can help establish scientifically the identity of a body. Samples of DNA can also be obtained from bone; thus, in cases where decomposition is advanced significantly, DNA analysis can still be of value. Tarrant County has the only comprehensive forensic anthropology laboratory attached to a medical examiner's office in Texas.



## **LATENT PRINTS AND QUESTIONED DOCUMENTS**



Latent fingerprint examination is a fundamental tool of the medical examiner's office, with latent prints being utilized as a scientific form of identification on bodies that present as Jane or John Doe. Fingerprints can also be retrieved from submitted evidence and used to assist in identifying a criminal suspect. Applying the newest technology, the latent print examiner achieves remarkable results in lifting prints from various substrates, and then saving and presenting the results as applicable.

## **FORENSIC HISTOLOGY**



Many cause of death determinations rely upon the examination of a decedent's tissues and organs. Special stains and fixation methods are employed to assist the physician in identifying disease processes and certain tissue changes that occur in response to trauma, lifestyle habits, or other variables.

## **FORENSIC PHOTOGRAPHY**



An equipped photography laboratory was added to the forensic crime lab in 1994. In addition to more traditional photo processing methods, the forensic photography lab is capable of processing ultraviolet and infrared films. Digital imaging and image enhancement are also performed. Slides, pictures, enlargements, and other services are provided to the medical examiner, to the courts, and to individuals for educational or research-based presentations.



**FORENSIC CRIMINALISTICS LABORATORY  
CASES PROCESSED**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Biology</b>	59	59	64	60	66	68	77	53	77	42	52	97	774
<b>Firearms</b>	11	5	6	14	4	4	11	3	5	5	5	2	75
<b>Trace</b>	13	6	17	14	17	17	14	23	7	23	17	17	185
<b>Latent Prints</b>	16	12	14	15	10	12	14	20	15	13	17	12	170
<b>Anthropology</b>	6	8	6	9	4	4	5	12	9	6	8	8	85
<b>Photo Lab</b>	106	112	92	117	126	119	125	106	129	124	122	94	1372
<b>Total</b>	<b>211</b>	<b>202</b>	<b>199</b>	<b>220</b>	<b>227</b>	<b>224</b>	<b>246</b>	<b>217</b>	<b>242</b>	<b>213</b>	<b>221</b>	<b>230</b>	<b>2661</b>

**SERVICES PERFORMED**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Biology</b>	647	937	630	740	944	977	675	898	842	620	677	1098	6993
<b>Firearms</b>	146	29	40	105	28	62	132	21	5	82	42	26	718
<b>Trace</b>	588	1134	911	962	1294	754	1189	2840	2259	4761	1965	1859	20,516
<b>Latent Prints</b>	59	68	55	72	71	36	43	67	113	44	115	28	771
<b>Anthropology</b>	313	114	35	130	32	146	54	440	71	76	52	133	1596
<b>Photo Lab</b>	3853	4072	4412	4208	4204	4520	4737	4678	4339	4355	3805	4076	51,259
<b>Total</b>	<b>5606</b>	<b>6354</b>	<b>6083</b>	<b>6217</b>	<b>6573</b>	<b>6495</b>	<b>6830</b>	<b>8944</b>	<b>7629</b>	<b>9938</b>	<b>6656</b>	<b>7220</b>	<b>84,545</b>

## HUMAN IDENTIFICATION LABORATORY



Identification of unidentified remains is accomplished often through a comparison of a decedent's dental records or records retrieved through the Texas Crime Information Center and National Crime Information Center (TCIC/NCIC) databases. In many cases, other scientifically sound identification methods (e.g., anthropological, x-ray, DNA analysis, or latent print comparison) are utilized. With the recent addition of AFIS (Automated Fingerprint Identification System) to the Human

Identification Laboratory, The Tarrant County Medical Examiner's Office provides a fast, convenient and a cost effective identification service to the citizens of Tarrant County

### SUMMARY OF CASES

	<b>Tarrant</b>	<b>Denton</b>	<b>Parker</b>	<b>Total</b>
<b>January</b>	13	1	2	<b>16</b>
<b>February</b>	9	2	1	<b>12</b>
<b>March</b>	10	5	0	<b>15</b>
<b>April</b>	13	0	0	<b>13</b>
<b>May</b>	9	7	1	<b>17</b>
<b>June</b>	21	0	0	<b>21</b>
<b>July</b>	12	2	0	<b>14</b>
<b>August</b>	17	2	0	<b>19</b>
<b>September</b>	5	0	0	<b>5</b>
<b>October</b>	11	2	0	<b>13</b>
<b>November</b>	9	4	0	<b>13</b>
<b>December</b>	11	2	0	<b>13</b>
<b>Total</b>	<b>140</b>	<b>27</b>	<b>4</b>	<b>171</b>

\* Non-jurisdiction cases = 13



**Multiple methods may be used for single identification  
IDENTIFICATION BY METHOD**

	<b>Tarrant</b>	<b>Denton</b>	<b>Parker</b>	<b>Total</b>
<b>Anthropological</b>	7	1	1	9
<b>Dental</b>	14	4	0	18
<b>DNA Analysis</b>	6	1	0	7
<b>Latent Print</b>	77	12	2	91
<b>Visual</b>	32	9	1	42
<b>Other (Scars, Medical Devices)</b>	4	0	0	4
<b>Unidentified</b>	0	0	0	0
<b>Total</b>	<b>140</b>	<b>27</b>	<b>4</b>	<b>171</b>

\* Non-jurisdiction cases = 13

**TARRANT COUNTY IDENTIFICATION CASES**

	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total</b>
<b>W/M</b>	3	5	0	3	5	9	0	8	0	4	3	4	56
<b>W/F</b>	6	2	6	4	1	4	4	4	2	1	3	2	27
<b>B/M</b>	2	0	1	0	0	5	4	2	0	3	1	1	25
<b>B/F</b>	0	1	1	2	0	0	1	1	3	0	1	0	4
<b>H/M</b>	1	0	2	3	3	1	3	1	0	2	1	3	21
<b>H/F</b>	1	1	0	1	0	1	0	0	0	0	0	0	3
<b>A/M</b>	0	0	0	0	0	0	0	1	0	1	0	0	3
<b>A/F</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>I/M</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>I/F</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Unk</b>	0	0	0	0	0	0	1	0	0	0	0	1	1
<b>Total</b>	<b>13</b>	<b>9</b>	<b>10</b>	<b>13</b>	<b>9</b>	<b>21</b>	<b>12</b>	<b>17</b>	<b>5</b>	<b>11</b>	<b>9</b>	<b>11</b>	<b>140</b>

### DENTON COUNTY IDENTIFICATION CASES

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
W/M	0	1	3	0	5	0	1	1	0	1	0	1	13
W/F	0	1	1	0	0	0	1	0	0	1	4	1	9
B/M	0	0	0	0	1	0	0	1	0	0	0	0	2
B/F	0	0	0	0	0	0	0	0	0	0	0	0	0
H/M	1	0	1	0	1	0	0	0	0	0	0	0	3
H/F	0	0	0	0	0	0	0	0	0	0	0	0	0
A/M	0	0	0	0	0	0	0	0	0	0	0	0	0
A/F	0	0	0	0	0	0	0	0	0	0	0	0	0
I/M	0	0	0	0	0	0	0	0	0	0	0	0	0
I/F	0	0	0	0	0	0	0	0	0	0	0	0	0
Unk	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>27</b>

### PARKER COUNTY IDENTIFICATION CASES

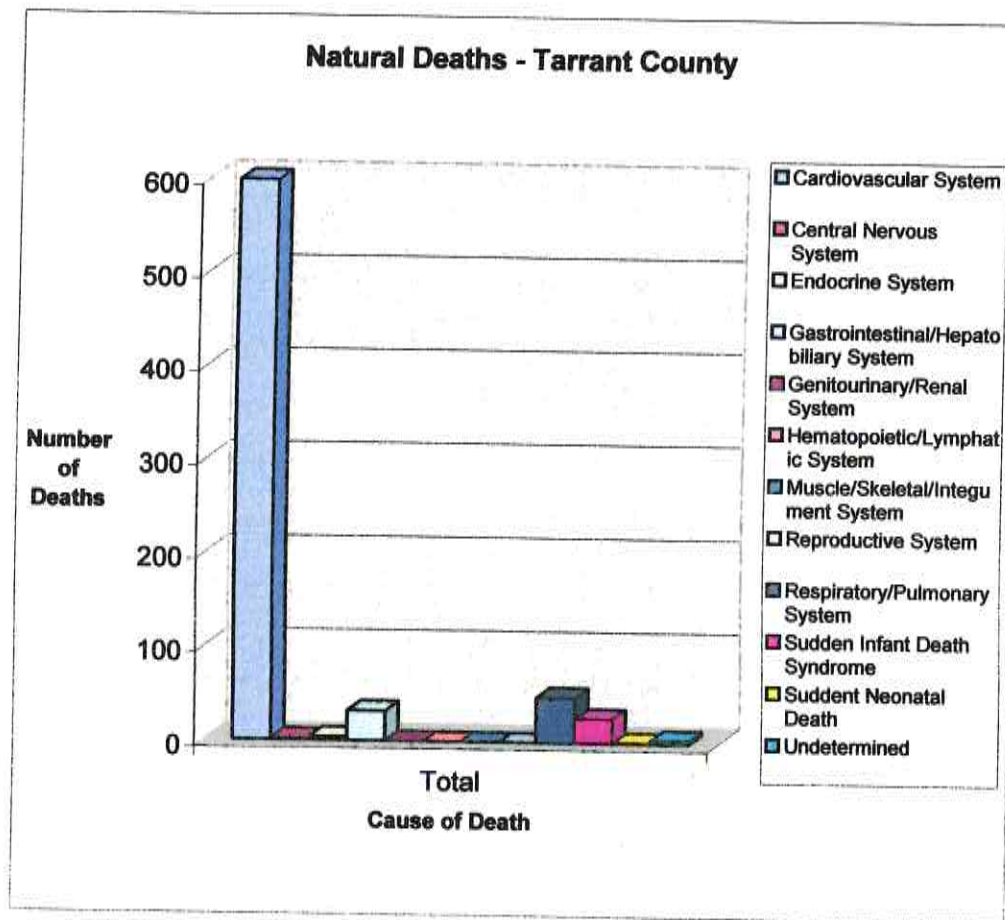
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
W/M	2	1	0	0	1	0	0	0	0	0	0	0	4
W/F	0	0	0	0	0	0	0	0	0	0	0	0	0
B/M	0	0	0	0	0	0	0	0	0	0	0	0	0
B/F	0	0	0	0	0	0	0	0	0	0	0	0	0
H/M	0	0	0	0	0	0	0	0	0	0	0	0	0
H/F	0	0	0	0	0	0	0	0	0	0	0	0	0
A/M	0	0	0	0	0	0	0	0	0	0	0	0	0
A/F	0	0	0	0	0	0	0	0	0	0	0	0	0
I/M	0	0	0	0	0	0	0	0	0	0	0	0	0
I/F	0	0	0	0	0	0	0	0	0	0	0	0	0
Unk	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>

**TARRANT COUNTY  
DATA MATRICES**



## NATURAL DEATHS - TARRANT COUNTY

Cause of Death	Total
Cardiovascular System	599
Central Nervous System	2
Endocrine System	4
Gastrointestinal/Hepatobiliary System	32
Genitourinary/Renal System	0
Hematopoietic/Lymphatic System	0
Muscle/Skeletal/Integument System	0
Reproductive System	0
Respiratory/Pulmonary System	48
Sudden Infant Death Syndrome	26
Sudden Neonatal Death	1
Undetermined	4
<b>Total</b>	<b>716</b>

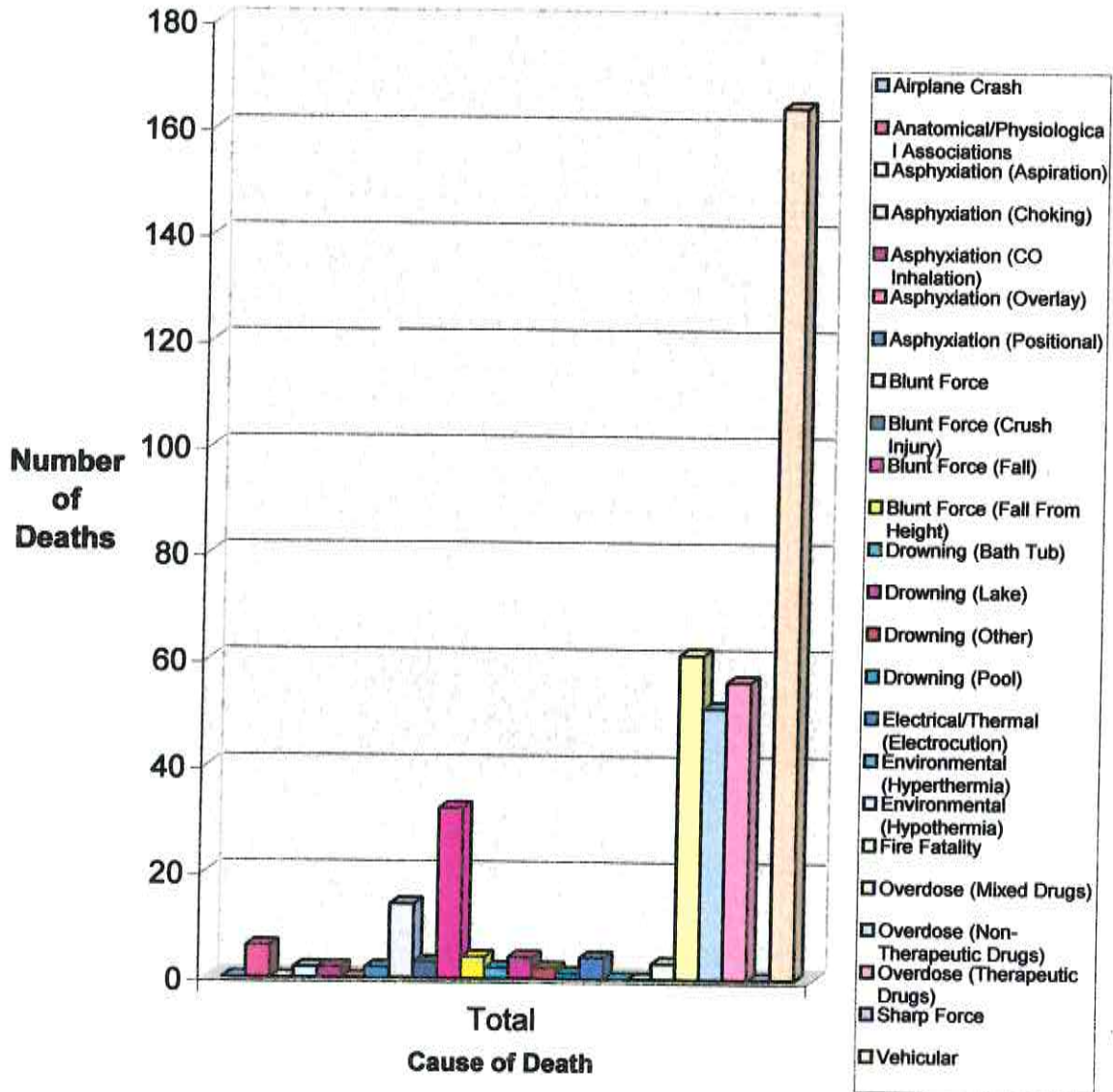




### ACCIDENTAL DEATHS - TARRANT COUNTY

Type Of Death	Total
Airplane Crash	0
Anatomical/Physiological Associations	6
Asphyxiation (Aspiration)	0
Asphyxiation (Choking)	2
Asphyxiation (CO Inhalation)	2
Asphyxiation (Overlay)	0
Asphyxiation (Positional)	2
Blunt Force	14
Blunt Force (Crush Injury)	3
Blunt Force (Fall)	32
Blunt Force (Fall From Height)	4
Drowning (Bath Tub)	2
Drowning (Lake)	4
Drowning (Other)	2
Drowning (Pool)	1
Electrical/Thermal (Electrocution)	4
Environmental (Hyperthermia)	0
Environmental (Hypothermia)	0
Fire Fatality	3
Firearm	1
Overdose (Mixed Drugs)	61
Overdose (Non-Therapeutic Drugs)	51
Overdose (Therapeutic Drugs)	56
Sharp Force	0
Vehicular	164
<b>Total</b>	<b>428</b>

## Accidental Deaths - Tarrant County



\*Non-Therapeutic drugs are controlled substances, Therapeutic drugs include prescription drugs and alcohol, and Mixed Drugs refer to a mixture of either several different drugs in one or both of these categories.

**ACCIDENTAL BY AGE, RACE, AND SEX - TARRANT COUNTY**

	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
00-10	7	6	0	1	9	8	0	1	0	0	32
11-20	21	7	5	0	11	3	1	0	0	0	48
21-30	38	10	5	6	10	0	2	0	0	0	71
31-40	45	12	5	6	11	0	1	1	0	0	81
41-50	35	13	9	8	7	3	0	0	0	0	75
51-60	20	7	7	5	2	1	1	0	0	0	43
61-70	8	6	3	1	0	1	0	0	0	0	19
71-80	13	14	4	0	0	0	0	0	0	0	31
Over 80	13	17	1	0	1	1	0	0	0	0	33
<b>Total</b>	<b>198</b>	<b>89</b>	<b>39</b>	<b>27</b>	<b>51</b>	<b>17</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>428</b>

**ACCIDENTAL BY AGE AND BLOOD ALCOHOL - TARRANT COUNTY**

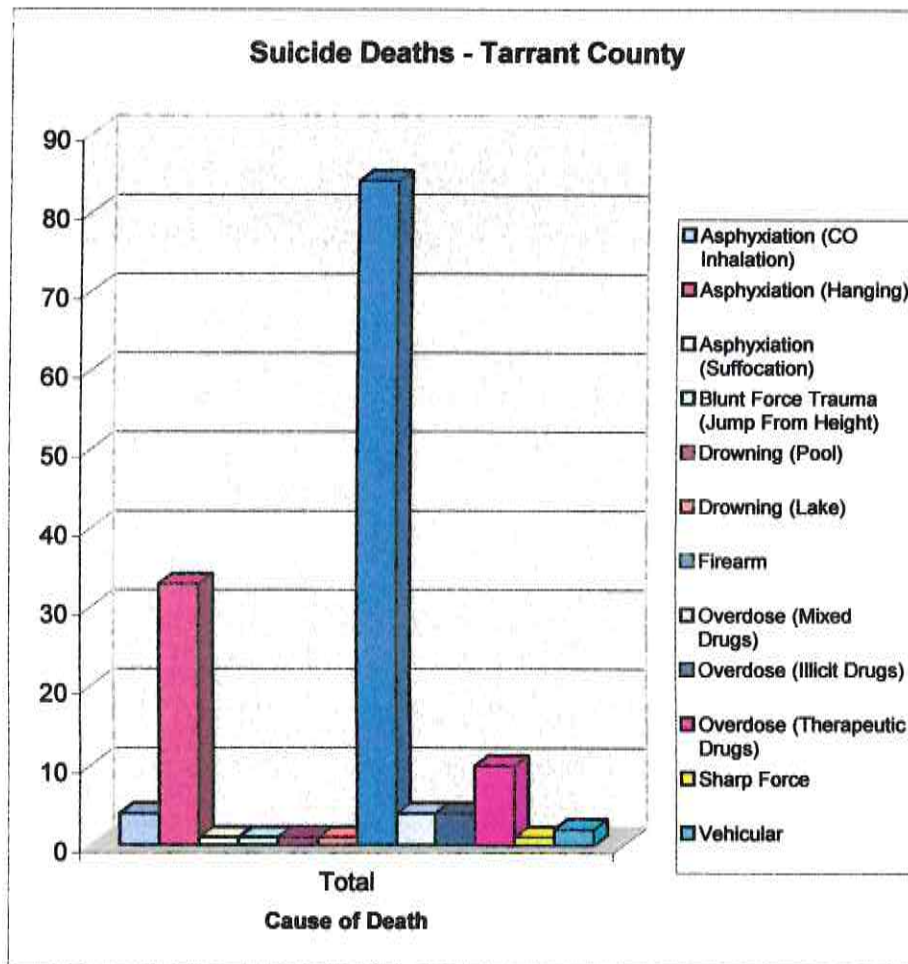
	.01-.05	.06-.10	.11-.15	.16-.20	.21-.25	.26-.30	>.30	Total
00-10	0	0	0	0	0	0	0	0
11-20	8	3	4	4	2	0	0	21
21-30	13	2	3	1	2	1	0	22
31-40	9	8	2	1	1	1	0	22
41-50	3	5	0	4	3	3	0	18
51-60	0	3	2	2	0	1	0	8
61-70	0	0	1	2	1	1	0	5
71-80	0	0	2	1	1	1	0	5
Over 80	0	0	0	1	0	0	0	1
<b>Total</b>	<b>33</b>	<b>21</b>	<b>14</b>	<b>16</b>	<b>10</b>	<b>8</b>	<b>0</b>	<b>102</b>

**ACCIDENTAL BY AGE AND TOXICOLOGY - TARRANT COUNTY**

	ABN	Cocaine	Cannabinoid	Opiates	BZD
00-10	1	0	0	0	0
11-20	3	1	4	0	2
21-30	27	6	6	7	6
31-40	55	20	20	18	16
41-50	38	6	11	27	19
51-60	10	1	3	10	0
61-70	1	8	4	1	3
71-80	2	7	0	0	0
Over 80	0	0	0	0	0
<b>Total</b>	<b>137</b>	<b>49</b>	<b>48</b>	<b>63</b>	<b>46</b>

## SUICIDE DEATHS - TARRANT COUNTY

Cause Of Death	Total
Asphyxiation (CO Inhalation)	4
Asphyxiation (Hanging)	33
Asphyxiation (Suffocation)	1
Blunt Force Trauma (Jump from Height)	1
Drowning (Pool)	1
Drowning (Lake)	1
Firearm	84
Overdose (Mixed Drugs)	4
Overdose (Illicit Drugs)	4
Overdose (Therapeutic Drugs)	10
Sharp Force	1
Vehicular	2
<b>Total</b>	<b>146</b>





### SUICIDE BY AGE, RACE, AND SEX - TARRANT COUNTY

	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
00-10	0	0	0	0	0	0	0	0	0	0	0
11-20	6	6	1	0	1	0	1	0	0	0	15
21-30	10	6	1	1	3	3	1	1	0	0	26
31-40	16	7	2	0	2	0	1	0	0	0	28
41-50	21	8	2	0	0	1	0	0	0	0	32
51-60	23	7	0	0	0	0	1	0	0	0	31
61-70	8	1	0	0	0	0	0	0	0	0	9
71-80	2	1	0	0	0	0	0	0	0	0	3
Over 80	2	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>88</b>	<b>36</b>	<b>6</b>	<b>1</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>146</b>

### SUICIDE BY AGE AND BLOOD ALCOHOL - TARRANT COUNTY

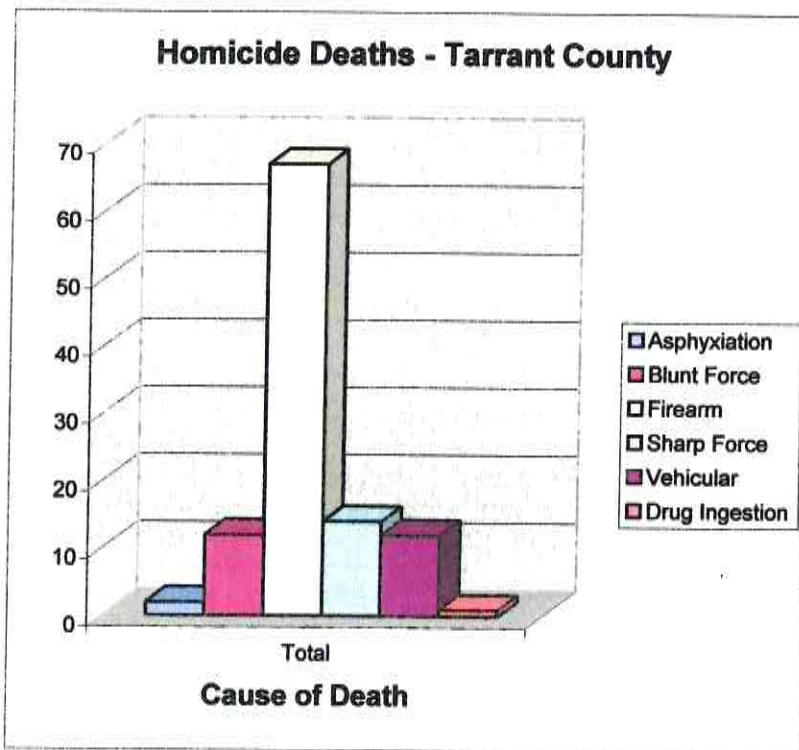
	.01-.05	.06-.10	.11-.15	.16-.20	.21-.25	.26-.30	>.30	Total
00-10	0	0	0	0	0	0	0	0
11-20	1	2	1	1	0	0	0	5
21-30	4	5	4	3	2	1	0	19
31-40	2	6	2	1	0	0	0	11
41-50	1	2	1	2	2	1	0	9
51-60	1	1	2	3	0	0	0	7
61-70	1	2	2	0	0	0	0	5
71-80	0	0	0	0	0	0	0	0
Over 80	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9</b>	<b>18</b>	<b>12</b>	<b>10</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>55</b>

### SUICIDE BY AGE AND TOXICOLOGY - TARRANT COUNTY

	ABN	Cocaine	Cannabinoid	Opiates	BZD
00-10	0	0	0	0	0
11-20	0	2	5	3	1
21-30	2	4	2	5	2
31-40	30	2	3	4	4
41-50	24	3	3	3	1
51-60	18	4	0	2	1
61-70	5	0	2	1	1
71-80	4	0	0	1	0
Over 80	0	0	0	0	0
<b>Total</b>	<b>83</b>	<b>15</b>	<b>15</b>	<b>19</b>	<b>10</b>

### HOMICIDE DEATHS - TARRANT COUNTY

Cause Of Death	Total
Asphyxiation	2
Blunt Force	12
Firearm	67
Sharp Force	14
Vehicular	12
Drug Ingestion	1
<b>Total</b>	<b>108</b>



### HOMICIDE BY AGE, RACE, AND SEX - TARRANT COUNTY

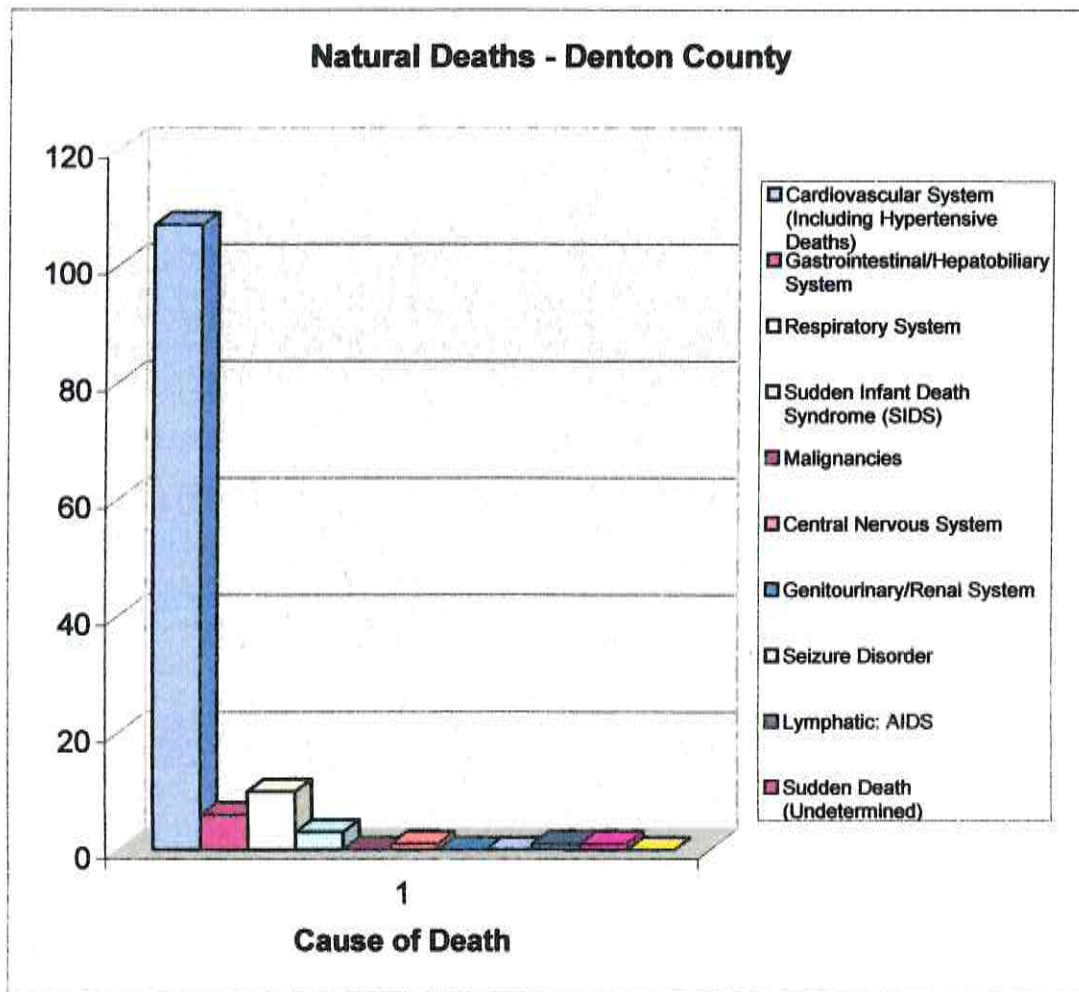
	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
00-10	2	1	2	0	1	1	0	0	0	0	7
11-20	4	1	3	0	4	3	2	0	0	0	17
21-30	5	2	5	1	4	2	1	0	0	0	20
31-40	9	3	5	2	5	1	0	0	0	0	25
41-50	6	5	3	0	5	1	1	0	0	0	21
51-60	4	1	3	0	3	0	0	0	0	0	11
61-70	1	1	1	0	0	0	0	0	0	0	3
71-80	2	1	0	0	0	0	0	0	0	0	3
Over 80	0	1	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>33</b>	<b>16</b>	<b>22</b>	<b>3</b>	<b>22</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>108</b>

**DENTON COUNTY  
DATA MATRICES**



## NATURAL DEATHS - DENTON COUNTY

Cause of Death	Total
Cardiovascular System (Including Hypertensive Deaths)	107
Gastrointestinal/Hepatobiliary System	6
Respiratory System	10
Sudden Infant Death Syndrome (SIDS)	3
Malignancies	0
Central Nervous System	1
Genitourinary/Renal System	0
Seizure Disorder	0
Lymphatic: AIDS	1
Sudden Death (Undetermined)	1
Muscle/Skeletal/Integument System	0
<b>Total</b>	<b>129</b>

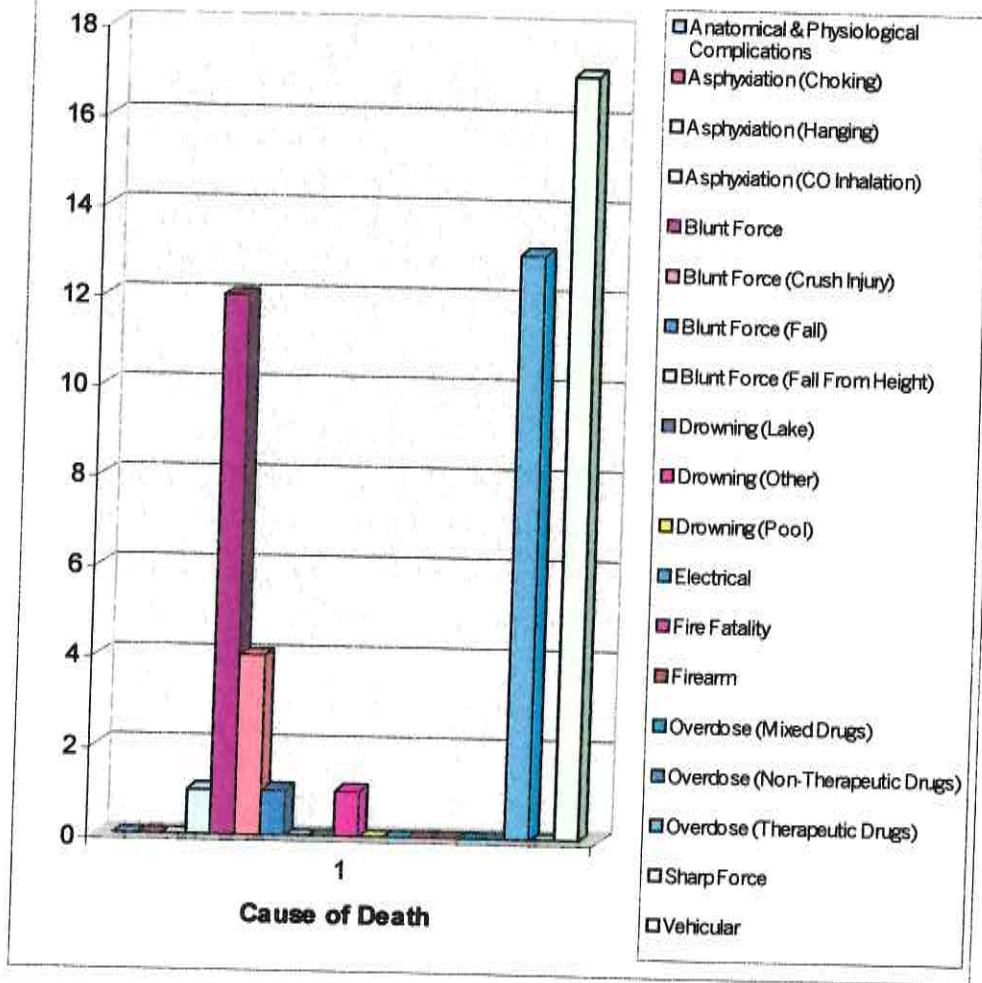




## ACCIDENTAL DEATHS - DENTON COUNTY

Type Of Death	Total
Anatomical & Physiological Complications	0
Asphyxiation (Choking)	0
Asphyxiation (Hanging)	0
Asphyxiation (CO Inhalation)	1
Blunt Force	12
Blunt Force (Crush Injury)	4
Blunt Force (Fall)	1
Blunt Force (Fall From Height)	0
Drowning (Lake)	0
Drowning (Other)	1
Drowning (Pool)	0
Electrical	0
Fire Fatality	0
Firearm	0
Overdose (Mixed Drugs)	0
Overdose (Non-Therapeutic Drugs)	0
Overdose (Therapeutic Drugs)	13
Sharp Force	0
Vehicular	17
<b>Total</b>	<b>49</b>

### Accidental Deaths - Denton County



### ACCIDENTAL BY AGE, RACE, AND SEX - DENTON COUNTY

	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
00-10	0	1	0	0	0	0	0	0	0	0	1
11-20	6	2	0	1	0	1	0	0	0	0	10
21-30	6	2	1	0	3	0	0	0	0	0	12
31-40	7	2	1	0	1	0	0	0	0	0	11
41-50	4	1	0	0	0	0	0	0	0	0	5
51-60	2	2	0	0	0	0	0	0	0	0	4
61-70	3	1	0	0	0	0	0	0	0	0	4
71-80	1	0	0	0	0	0	0	0	0	0	1
Over 80	0	0	0	0	0	1	0	0	0	0	1
<b>Total</b>	<b>29</b>	<b>11</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49</b>

**ACCIDENTAL BY AGE AND BLOOD ALCOHOL - DENTON COUNTY**

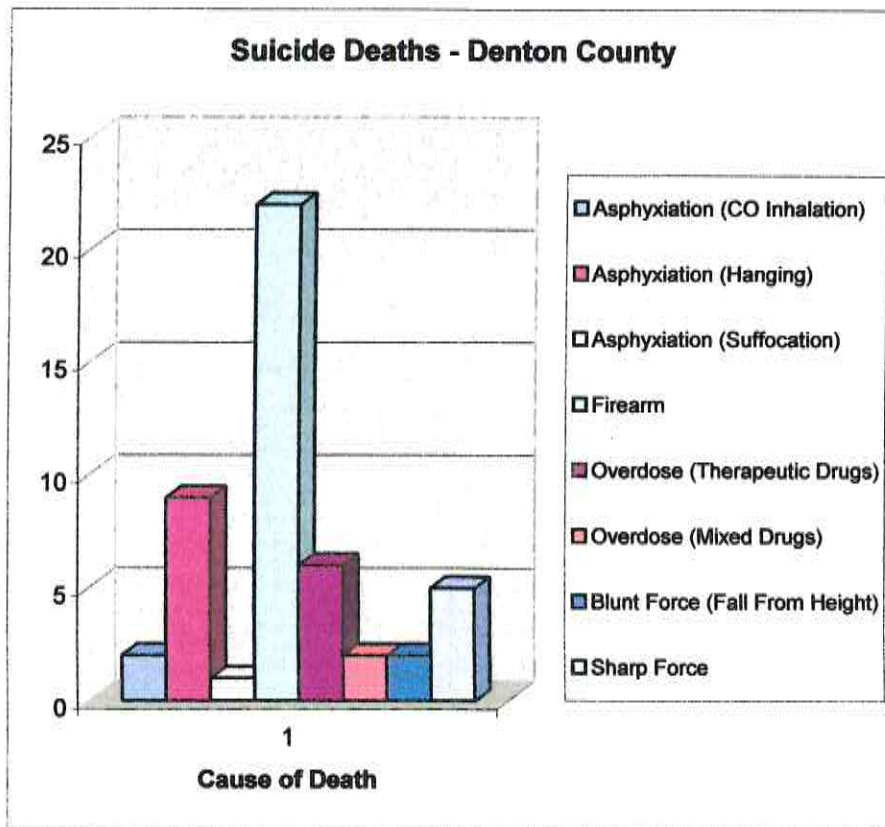
	<b>.01-.05</b>	<b>.06-.10</b>	<b>.11-.15</b>	<b>.16-.20</b>	<b>.21-.25</b>	<b>.26-.30</b>	<b>&gt;.30</b>	<b>Total</b>
<b>00-10</b>	0	0	0	0	0	0	0	<b>0</b>
<b>11-20</b>	2	3	5	2	1	0	0	<b>13</b>
<b>21-30</b>	0	3	4	1	2	0	0	<b>10</b>
<b>31-40</b>	1	3	3	1	0	1	0	<b>9</b>
<b>41-50</b>	0	0	1	3	0	0	0	<b>4</b>
<b>51-60</b>	0	0	1	0	0	0	0	<b>1</b>
<b>61-70</b>	0	0	2	0	0	0	0	<b>2</b>
<b>71-80</b>	0	0	1	0	0	0	0	<b>1</b>
<b>Over 80</b>	0	3	0	2	0	0	0	<b>5</b>
<b>Total</b>	<b>3</b>	<b>12</b>	<b>17</b>	<b>9</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>45</b>

**ACCIDENTAL BY AGE AND TOXICOLOGY - DENTON COUNTY**

	<b>ABN</b>	<b>Cocaine</b>	<b>Cannabinoid</b>	<b>Opiates</b>	<b>BZD</b>
<b>00-10</b>	0	0	0	0	0
<b>11-20</b>	10	0	3	0	14
<b>21-30</b>	10	2	5	3	12
<b>31-40</b>	0	2	4	1	10
<b>41-50</b>	5	2	0	1	6
<b>51-60</b>	1	0	0	3	8
<b>61-70</b>	0	0	0	0	2
<b>71-80</b>	0	0	0	0	0
<b>Over 80</b>	0	0	0	0	0
<b>Total</b>	<b>26</b>	<b>6</b>	<b>12</b>	<b>8</b>	<b>52</b>

## SUICIDE DEATHS - DENTON COUNTY

Cause Of Death	Total
Asphyxiation (CO Inhalation)	2
Asphyxiation (Hanging)	9
Asphyxiation (Suffocation)	1
Firearm	22
Overdose (Therapeutic Drugs)	6
Overdose (Mixed Drugs)	2
Blunt Force (Fall From Height)	2
Sharp Force	5
<b>Total</b>	<b>49</b>





**SUICIDE BY AGE, RACE, AND SEX- DENTON COUNTY**

	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
<b>00-10</b>	0	0	0	0	0	0	0	0	0	0	0
<b>11-20</b>	4	1	0	0	2	0	0	0	0	0	5
<b>21-30</b>	3	4	1	1	1	0	0	0	0	0	6
<b>31-40</b>	3	2	1	2	0	0	0	0	0	0	6
<b>41-50</b>	6	3	2	0	0	0	0	0	0	0	9
<b>51-60</b>	6	2	0	0	0	0	0	0	0	0	6
<b>61-70</b>	2	2	0	0	0	0	0	0	0	0	3
<b>71-80</b>	0	0	0	0	0	0	0	0	0	0	0
<b>Over 80</b>	1	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>25</b>	<b>14</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49</b>

**SUICIDE BY AGE AND BLOOD ALCOHOL- DENTON COUNTY**

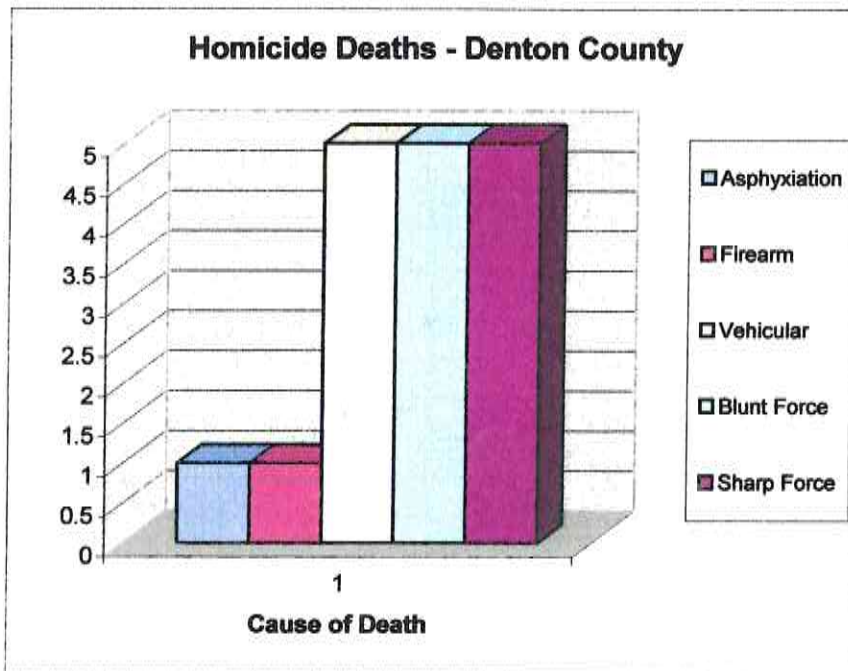
	.01-.05	.06-.10	.11-.15	.16-.20	.21-.25	.26-.30	>.30	Total
<b>00-10</b>	0	0	0	0	0	0	0	0
<b>11-20</b>	0	0	1	0	0	0	0	1
<b>21-30</b>	0	1	2	1	0	0	0	4
<b>31-40</b>	0	1	0	2	1	0	0	4
<b>41-50</b>	1	1	1	0	0	0	0	3
<b>51-60</b>	0	0	0	0	0	0	0	0
<b>61-70</b>	0	0	0	0	0	0	0	0
<b>71-80</b>	0	0	0	0	0	0	0	0
<b>Over 80</b>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12</b>

**SUICIDE BY AGE AND TOXICOLOGY- DENTON COUNTY**

	ABN	Cocaine	Cannabinoid	Opiates	BZD
<b>00-10</b>	0	0	0	0	0
<b>11-20</b>	0	0	0	0	0
<b>21-30</b>	1	1	0	1	0
<b>31-40</b>	0	2	1	3	1
<b>41-50</b>	0	0	0	0	0
<b>51-60</b>	0	0	0	1	0
<b>61-70</b>	0	0	0	0	0
<b>71-80</b>	0	0	0	0	0
<b>Over 80</b>	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>1</b>

### HOMICIDE DEATHS – DENTON COUNTY

Cause Of Death	Total
<b>Asphyxiation</b>	<b>1</b>
<b>Firearm</b>	<b>1</b>
<b>Vehicular</b>	<b>5</b>
<b>Blunt Force</b>	<b>5</b>
<b>Sharp Force</b>	<b>5</b>
<b>Total</b>	<b>17</b>



### HOMICIDE BY AGE, RACE, AND SEX - DENTON COUNTY

	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
<b>00-10</b>	0	0	0	0	0	0	0	0	0	0	0
<b>11-20</b>	0	0	0	0	0	1	0	0	0	0	1
<b>21-30</b>	5	0	0	1	0	0	0	0	0	0	6
<b>31-40</b>	2	1	1	0	0	0	0	0	0	0	4
<b>41-50</b>	2	0	0	0	0	0	0	0	0	0	2
<b>51-60</b>	2	1	0	0	0	0	0	0	0	0	3
<b>61-70</b>	0	1	0	0	0	0	0	0	0	0	1
<b>71-80</b>	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	11	3	1	1	0	1	0	0	0	0	17

**HOMICIDE BY AGE AND BLOOD ALCOHOL - DENTON COUNTY**

	<b>.05</b>	<b>0.1</b>	<b>0.15</b>	<b>0.2</b>	<b>0.25</b>	<b>0.3</b>	<b>&gt;0.3</b>	<b>Total</b>
<b>11-20</b>	0	0	0	0	0	0	0	<b>0</b>
<b>21-30</b>	0	0	0	0	0	0	0	<b>0</b>
<b>31-40</b>	0	1	0	2	0	0	0	<b>3</b>
<b>41-50</b>	0	2	1	1	1	0	0	<b>5</b>
<b>51-60</b>	0	0	0	1	1	0	0	<b>2</b>
<b>61-70</b>	0	0	1	0	0	0	0	<b>1</b>
<b>71-80</b>	0	0	0	0	0	0	0	<b>0</b>
<b>Over 80</b>	0	0	0	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>11</b>

**HOMICIDE BY AGE AND TOXICOLOGY - DENTON COUNTY**

	<b>ABN</b>	<b>Cocaine</b>	<b>Cannabinoid</b>	<b>Opiates</b>	<b>BZD</b>
<b>00-10</b>	0	0	0	0	0
<b>11-20</b>	0	0	0	0	0
<b>21-30</b>	0	2	0	0	0
<b>31-40</b>	0	0	0	1	0
<b>41-50</b>	0	2	1	0	0
<b>51-60</b>	0	0	0	1	0
<b>61-70</b>	0	1	0	0	0
<b>71-80</b>	0	0	0	0	0
<b>Over 80</b>	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>0</b>

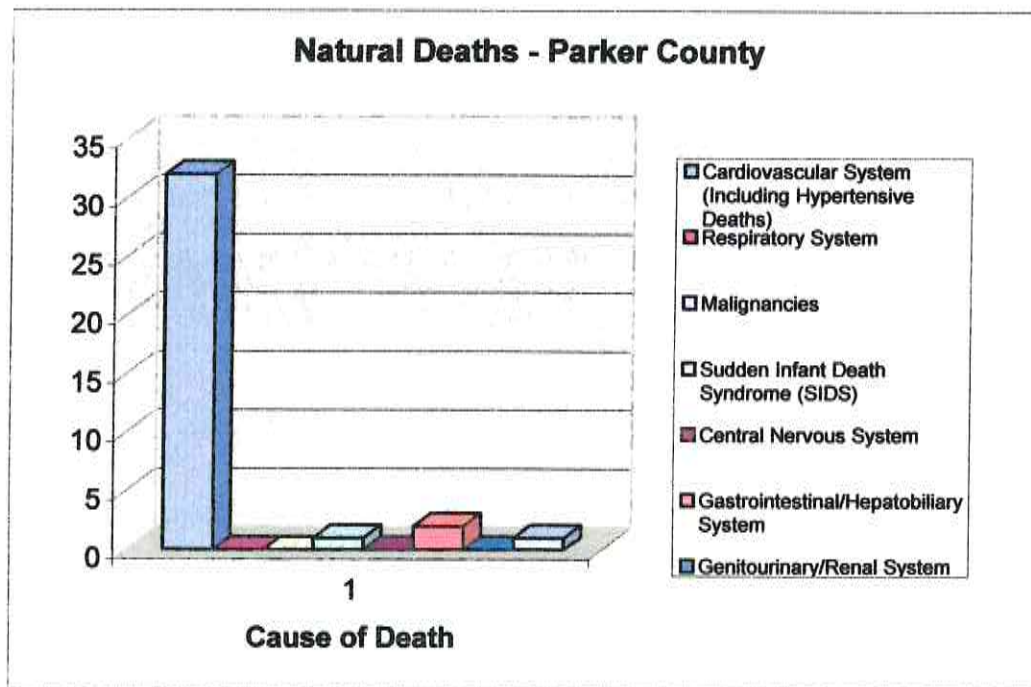
**PARKER COUNTY  
DATA MATRICES**





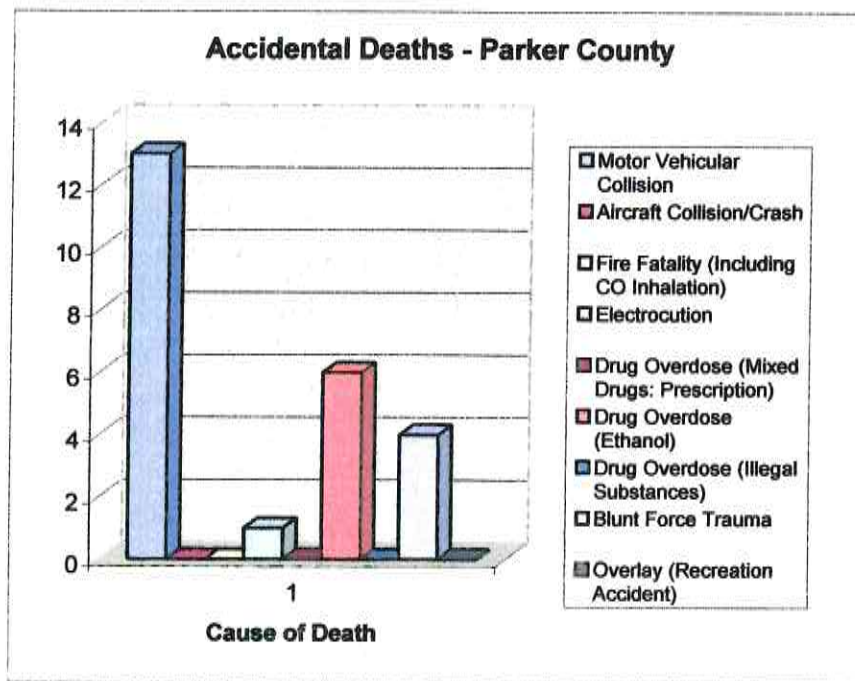
## NATURAL DEATHS - PARKER COUNTY

Cause Of Death	Total
Cardiovascular System (including Hypertensive Deaths)	32
Respiratory System	0
Malignancies	0
Sudden Infant Death Syndrome (SIDS)	1
Central Nervous System	0
Gastrointestinal/Hepatobiliary System	2
Genitourinary/Renal System	0
Hematopoietic/Lymphatic System: AIDS	1
<b>Total</b>	<b>36</b>



## ACCIDENTAL DEATHS - PARKER COUNTY

Type Of Death	Total
Motor Vehicular Collision	13
Aircraft Collision/Crash	0
Fire Fatality (incl. CO Inhalation)	0
Electrocution	1
Drug Overdose (Mixed Drugs: Prescription)	0
Drug Overdose (Ethanol)	6
Drug Overdose (Illegal Substances)	0
Blunt Force Trauma	4
Overlay (recreation accident)	0
<b>Total</b>	<b>24</b>



**ACCIDENTAL BY AGE, RACE, AND SEX - PARKER COUNTY**

	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
00-10	1	0	0	0	0	0	0	0	0	0	1
11-20	1	1	0	0	1	0	0	0	0	0	3
21-30	1	1	0	0	2	0	0	0	0	0	4
31-40	2	0	0	0	1	1	0	0	0	0	4
41-50	3	1	0	0	1	0	0	0	0	0	5
51-60	3	1	1	0	1	0	0	0	0	0	6
61-70	0	0	0	0	0	0	0	0	0	0	0
71-80	0	0	0	0	0	0	0	0	0	0	0
Over 80	1	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>12</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>

**ACCIDENTAL BY AGE AND BLOOD ALCOHOL - PARKER COUNTY**

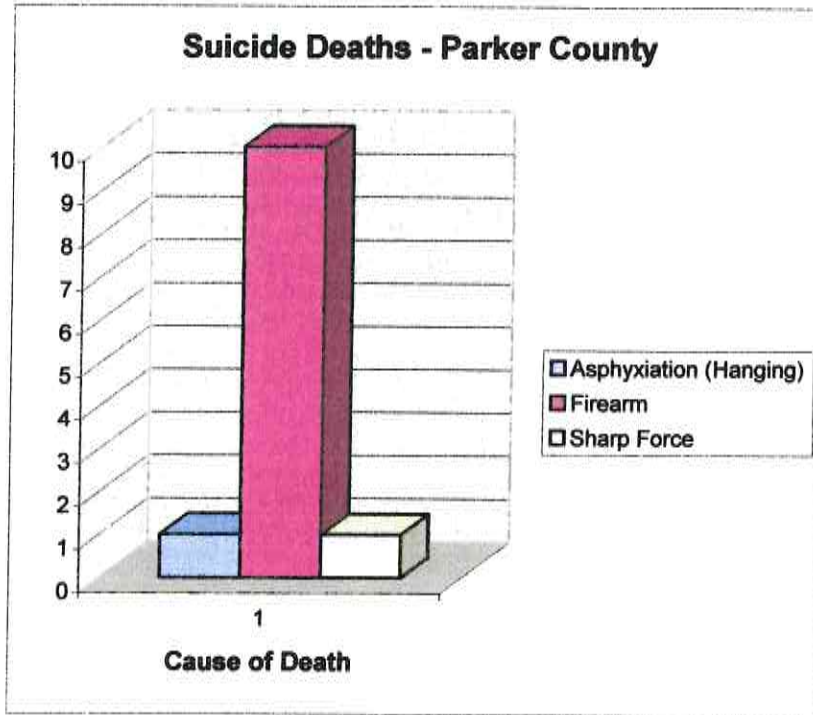
	.05	.1	.15	.2	.25	0.3	>.3	Total
00-10	0	0	0	0	0	0	0	0
11-20	0	1	0	2	0	0	0	3
21-30	0	0	1	0	1	0	0	2
31-40	0	1	3	1	0	0	0	5
41-50	0	0	0	0	0	0	0	0
51-60	0	0	0	2	0	0	0	2
61-70	0	0	0	0	0	0	0	0
71-80	0	0	0	0	0	0	0	0
Over 80	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12</b>

**ACCIDENTAL BY AGE AND TOXICOLOGY - PARKER COUNTY**

	ABN	Cocaine	Cannabinoid	Opiates	BZD
00-10	0	0	0	0	0
11-20	0	0	0	2	0
21-30	2	0	3	0	1
31-40	1	1	2	1	0
41-50	2	0	0	0	0
51-60	0	1	0	0	0
61-70	0	0	0	0	0
71-80	0	0	0	0	0
Over 80	0	0	0	0	0
<b>Total</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>3</b>	<b>1</b>

### SUICIDE DEATHS - PARKER COUNTY

Cause Of Death	Total
Asphyxiation (Hanging)	1
Firearm	10
Sharp Force	1
<b>Total</b>	<b>12</b>



### SUICIDE BY AGE, RACE, AND SEX - PARKER COUNTY

	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
<b>00-10</b>	0	0	0	0	0	0	0	0	0	0	0
<b>11-20</b>	1	1	0	0	0	0	0	0	0	0	2
<b>21-30</b>	1	0	0	0	0	0	0	0	0	0	1
<b>31-40</b>	1	0	0	0	0	0	0	0	0	0	1
<b>41-50</b>	4	0	0	0	0	0	0	0	0	0	4
<b>51-60</b>	1	0	0	0	0	0	0	0	0	0	1
<b>61-70</b>	1	0	0	0	0	0	0	0	0	0	1
<b>71-80</b>	2	0	0	0	0	0	0	0	0	0	2
<b>Over 80</b>	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>



**SUICIDE BY AGE AND BLOOD ALCOHOL - PARKER COUNTY**

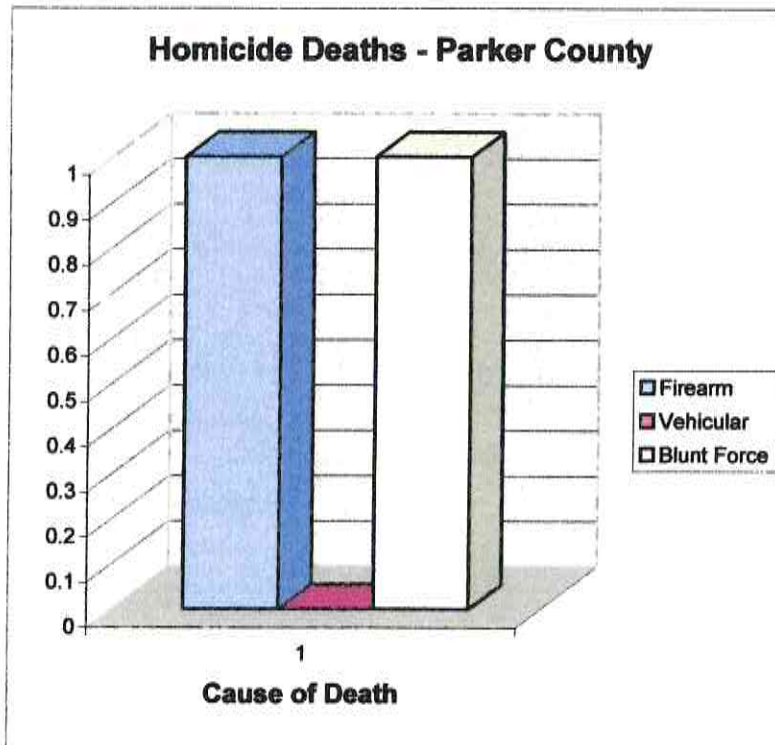
	<b>.05</b>	<b>0.1</b>	<b>0.15</b>	<b>0.2</b>	<b>0.25</b>	<b>0.3</b>	<b>&gt;0.3</b>	<b>TOTAL</b>
<b>11-20</b>	0	0	0	0	0	0	0	0
<b>21-30</b>	0	0	0	0	0	0	0	0
<b>31-40</b>	0	0	1	2	1	0	0	4
<b>41-50</b>	0	0	0	0	1	0	0	1
<b>51-60</b>	0	0	1	0	0	0	0	1
<b>61-70</b>	0	0	0	0	0	0	0	0
<b>71-80</b>	0	0	0	0	0	0	0	0
<b>Over 80</b>	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	2	2	2	0	0	6

**SUICIDE BY AGE AND TOXICOLOGY - PARKER COUNTY**

	<b>ABN</b>	<b>Cocaine</b>	<b>Cannabinoid</b>	<b>Opiates</b>	<b>BZD</b>
<b>00-10</b>	0	0	0	0	0
<b>11-20</b>	0	0	0	0	1
<b>21-30</b>	0	0	1	0	0
<b>31-40</b>	1	1	1	0	0
<b>41-50</b>	2	0	0	0	0
<b>51-60</b>	0	0	0	0	0
<b>61-70</b>	0	0	2	0	0
<b>71-80</b>	0	0	0	0	0
<b>Over 80</b>	0	0	0	0	0
<b>Total</b>	3	1	2	0	1

### HOMICIDE DEATHS - PARKER COUNTY

Cause Of Death	Total
<b>Firearm</b>	<b>1</b>
<b>Vehicular</b>	<b>0</b>
<b>Blunt Force</b>	<b>1</b>
<b>Total</b>	<b>2</b>



### HOMICIDE BY AGE, RACE, AND SEX - PARKER COUNTY

	W/M	W/F	B/M	B/F	H/M	H/F	A/M	A/F	I/M	I/F	Total
<b>00-10</b>	0	0	0	0	0	0	0	0	0	0	0
<b>11-20</b>	0	1	0	0	0	0	0	0	0	0	1
<b>21-30</b>	0	0	0	0	0	0	0	0	0	0	0
<b>31-40</b>	0	0	0	0	0	0	0	0	0	0	0
<b>41-50</b>	0	0	0	0	0	0	0	0	0	0	0
<b>51-60</b>	1	0	0	0	0	0	0	0	0	0	1
<b>61-70</b>	0	0	0	0	0	0	0	0	0	0	0
<b>71-80</b>	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	1	1	0	0	0	0	0	0	0	0	2

**HOMICIDE BY AGE AND BLOOD ALCOHOL - PARKER COUNTY**

	<b>.05</b>	<b>0.1</b>	<b>0.15</b>	<b>0.2</b>	<b>0.25</b>	<b>0.3</b>	<b>&gt;0.3</b>	<b>TOTAL</b>
<b>11-20</b>	0	0	0	0	0	0	0	<b>0</b>
<b>21-30</b>	0	0	0	0	0	0	0	<b>0</b>
<b>31-40</b>	0	0	0	0	0	0	0	<b>0</b>
<b>41-50</b>	0	0	1	0	0	0	0	<b>1</b>
<b>51-60</b>	0	0	0	0	1	0	0	<b>1</b>
<b>61-70</b>	0	0	0	0	0	0	0	<b>0</b>
<b>71-80</b>	0	0	0	0	0	0	0	<b>0</b>
<b>Over 80</b>	0	0	0	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>

**HOMICIDE BY AGE AND TOXICOLOGY - PARKER COUNTY**

	<b>ABN</b>	<b>Cocaine</b>	<b>Cannabinoid</b>	<b>Opiates</b>	<b>BZD</b>
<b>00-10</b>	0	0	0	0	0
<b>11-20</b>	0	0	0	0	0
<b>21-30</b>	0	0	0	0	0
<b>31-40</b>	1	0	0	0	0
<b>41-50</b>	0	0	0	0	0
<b>51-60</b>	0	0	0	0	0
<b>61-70</b>	0	0	0	0	0
<b>71-80</b>	0	0	0	0	0
<b>Over 80</b>	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**CHILD FATALITY  
REVIEW TEAM**





## CHILD FATALITY REVIEW TEAM

Child deaths attributable to illness, birth defect, delivery difficulty, neoplastic disease, and other natural causes account for approximately two out of three child fatalities locally. Although these deaths can be devastating, the larger community is impacted perhaps more by deaths occurring unnaturally. Texas, in 1999, had 44,532 confirmed victims of child abuse or neglect. 176 of these children died as a direct result. The greatest risk of death from abuse or neglect occurs among the youngest children who, because of their age, have an absolute dependence on their caretakers. During 1998, 73 percent of all child fatalities in Texas occurred among victims under four years of age, with males outnumbering females slightly as victims of fatal maltreatment.

Although there are more than 4,000 child deaths annually in Texas, no single agency tracks all aspects of every death reported. Of particular interest are those deaths that are preventable. In 1995, the Texas Legislature amended Chapter 264 of the Family Code to include language outlining the establishment and continuance of a state child fatality review team committee, local child fatality review teams, and formation of a statewide analytical evaluation of all collected and reported child death information. The ultimate goal of the project is to identify trends and reduce the number of preventable childhood deaths. There are approximately 50 representatives appointed the Tarrant County CFRT from the following agencies:

- ❖ Tarrant, Denton, and Parker County District Attorney Offices
- ❖ Local Law Enforcement
- ❖ Texas Department of Protective and Regulatory Services (CPS)
- ❖ Cook Children's Medical Center
- ❖ Rural-Metro EMS
- ❖ North Texas SIDS Alliance
- ❖ Alliance for Children - Tarrant County
- ❖ Tarrant County College (Child Abuse Training Project)
- ❖ Fort Worth Bureau of Vital Statistics
- ❖ Tarrant County, Fort Worth, and Denton Public Health Departments
- ❖ University of North Texas Health Science Center - Public Health program
- ❖ Medical Specialists (e.g., pediatric neurosurgeon, pathologist, and epidemiologist)
- ❖ Emergency Physicians Advisory Board
- ❖ Crimes Against Children Task Forces
- ❖ Shaken Baby Alliance

Of the 131 child deaths reviewed by the CFRT in 2004, 56 (42%) were due to natural causes while the remaining 75 (58%) were attributable to unnatural means. Unnatural deaths reviewed are comprised of 13 homicides (9%), 54 accidents (41%), 6 suicides (4%), and 2 undetermined cases (1%).

### CHILD DEATH CERTIFICATION SUMMARY

Manner of Death Certification	2001	2002	2003	2004
<b>Natural</b>	56	60	58	56
<b>Accidental</b>	47	32	29	54
<b>Homicide</b>	19	19	10	13
<b>Suicide</b>	10	2	6	6
<b>Undetermined</b>	7	9	3	2
<b>Total</b>	<b>139</b>	<b>122</b>	<b>106</b>	<b>131</b>

### CAUSE AND MANNER OF DEATH

Natural Death	Tarrant	Denton	Parker	Total
<b>Cardiovascular System</b>	5	2	0	7
<b>Central Nervous System</b>	0	1	0	1
<b>Developmental</b>	0	0	0	0
<b>Endocrine System</b>	0	0	1	1
<b>Gastrointestinal System</b>	0	1	0	1
<b>Hepatic System</b>	0	0	0	0
<b>Infectious Disease</b>	0	0	0	0
<b>Intrauterine Fetal Demise</b>	0	0	0	0
<b>Pulmonary System</b>	11	1	0	12
<b>Sudden Infant Death Syndrome</b>	24	2	1	27
<b>Sudden Death (Unknown Etiology)</b>	6	1	0	7
<b>Total</b>	<b>46</b>	<b>8</b>	<b>2</b>	<b>56</b>

**CAUSE AND MANNER OF DEATH**

<b>Accidental Death</b>	<b>Tarrant</b>	<b>Denton</b>	<b>Parker</b>	<b>Total</b>
<b>Blunt Force</b>	21	4	2	27
<b>Aspiration</b>	1	0	0	1
<b>Positional</b>	0	1	0	1
<b>Drowning</b>	15	0	1	16
<b>Drug Overdose</b>	2	1	1	4
<b>Choking</b>	1	1	1	3
<b>Electrocution</b>	1	1	1	3
<b>Impalement</b>	1	1	1	3
<b>Environment</b>	2	0	0	2
<b>Fall</b>	0	0	0	0
<b>Pedestrian</b>	0	0	0	0
<b>Undetermined</b>	0	0	0	0
<b>Total</b>	44	9	7	60

**CAUSE AND MANNER OF DEATH**

<b>Homicide Death</b>	<b>Tarrant</b>	<b>Denton</b>	<b>Parker</b>	<b>Total</b>
<b>Blunt Force Trauma</b>	6	0	0	6
<b>Firearm</b>	4	0	0	4
<b>Malnutrition</b>	1	0	0	1
<b>Drug</b>	1	0	0	1
<b>Sharp Force</b>	1	0	0	1
<b>Drowning</b>	0	0	0	0
<b>Total</b>	10	0	0	13

**CAUSE AND MANNER OF DEATH**

<b>Suicide Death</b>	<b>Tarrant</b>	<b>Denton</b>	<b>Parker</b>	<b>Total</b>
<b>Drug Overdose</b>	0	0	0	0
<b>Firearm</b>	2	0	0	2
<b>Hanging</b>	3	0	0	3
<b>Suffocation</b>	1	0	0	1
<b>Total</b>	6	0	0	6

**CAUSE AND MANNER OF DEATH**

<b>Undetermined Death</b>	<b>Tarrant</b>	<b>Denton</b>	<b>Parker</b>	<b>Total</b>
<b>Blunt Force</b>	1	0	0	1
<b>Drug Exposure</b>	0	0	0	0
<b>Overlay History</b>	0	0	0	0
<b>Sudden Death (Unknown Etiology)</b>	1	0	0	1
<b>Total</b>	2	0	0	2

### COMPARATIVE STATISTICS

Natural Deaths	2001	2002	2003	2004
Cardiovascular System	5	9	4	7
Central Nervous System	3	3	4	1
Developmental	3	0	3	0
Endocrine System	1	1	1	1
Gastrointestinal System	0	1	0	1
Genitourinary System	1	0	0	0
Hepatic System	2	3	0	0
Infectious Disease	4	1	0	0
Intrauterine Fetal Demise	3	0	0	0
Pulmonary System	0	3	6	12
Sudden Infant Death Syndrome	22	24	38	27
Sudden Neonatal Death	0	0	0	0
Sudden Death (Unknown Etiology)	12	15	2	7
<b>Total</b>	<b>56</b>	<b>60</b>	<b>58</b>	<b>56</b>

Accidental Deaths	2001	2002	2003	2004
Asphyxiation	4	4	0	3
Blunt Force Trauma	1	0	22	27
Drowning	9	7	5	16
Environmental	0	1	1	2
Drug Overdose	3	0	1	4
Fall	2	0	0	0
Impalement	0	0	0	1
Fire/Carbon Monoxide Inhalation	3	1	0	0
Vehicular	21	10	0	0
Hanging	0	10	0	0
Pedestrian	0	8	0	0
Electrocution	0	0	0	1
<b>Total</b>	<b>47</b>	<b>32</b>	<b>29</b>	<b>54</b>



<b>Homicide Deaths</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<b>Asphyxiation</b>	0	0	0	0
<b>Blunt Force Trauma</b>	5	5	4	6
<b>Drowning</b>	0	0	1	0
<b>Firearm</b>	6	5	3	4
<b>Fire/Carbon Monoxide Inhalation</b>	2	0	0	0
<b>Sharp Force Trauma</b>	0	1	1	1
<b>Vehicular</b>	6	7	0	0
<b>Poisoning/Drug</b>	0	0	1	1
<b>Shaken Baby Syndrome</b>	0	0	0	0
<b>Environmental</b>	0	1	0	0
<b>Malnutrition</b>	0	0	0	1
<b>Total</b>	<b>19</b>	<b>19</b>	<b>10</b>	<b>13</b>

### COMPARATIVE STATISTICS

<b>Suicide Deaths</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<b>Fall From Height</b>	0	0	0	0
<b>Blunt Force</b>	0	0	1	0
<b>Suffocation</b>	0	0	1	1
<b>Firearm</b>	3	1	2	2
<b>Hanging</b>	5	1	2	3
<b>Vehicular</b>	2	0	0	0
<b>Total</b>	<b>10</b>	<b>2</b>	<b>6</b>	<b>6</b>

<b>Vehicular Deaths</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<b>Driver</b>	10	4	8	5
<b>Passenger</b>	12	14	13	6
<b>Pedestrian</b>	7	11	0	8
<b>Pedalist</b>	0	0	1	1
<b>Total</b>	<b>29</b>	<b>29</b>	<b>22</b>	<b>20</b>

Age	2001	2002	2003	2004
<b>0 (Under 24 Hours)</b>	0	0	0	0
<b>Less than 30 days</b>	14	5	9	10
<b>1 month - 4 months</b>	31	25	35	27
<b>5 months - 8 months</b>	10	14	12	7
<b>9 months - 12 months</b>	4	6	0	5
<b>1 year - 5 years</b>	22	28	14	28
<b>6 years - 10 years</b>	7	16	1	9
<b>11 years - 15 years</b>	28	12	13	14
<b>16 years - 17 years</b>	232	16	23	31
<b>Unknown</b>	0	0	3	0
<b>Total</b>	<b>139</b>	<b>122</b>	<b>110</b>	<b>131</b>

### SUMMARY STATISTICS

Race	Tarrant	Denton	Parker	Total
<b>White</b>	52	9	5	<b>66</b>
<b>Black</b>	21	4	0	<b>25</b>
<b>Hispanic</b>	37	1	1	<b>39</b>
<b>Asian</b>	1	0	0	<b>1</b>
<b>Other</b>	0	0	0	<b>0</b>
<b>Total</b>	<b>111</b>	<b>14</b>	<b>6</b>	<b>131</b>

Gender	Tarrant	Denton	Parker	Total
<b>Male</b>	71	11	3	<b>85</b>
<b>Female</b>	40	3	3	<b>46</b>
<b>Total</b>	<b>111</b>	<b>14</b>	<b>6</b>	<b>131</b>

Race and Gender	Tarrant	Denton	Parker	Total
<b>White Male</b>	9	1	0	<b>10</b>
<b>White Female</b>	22	4	1	<b>27</b>
<b>Black Male</b>	6	0	1	<b>7</b>
<b>Black Female</b>	4	1	0	<b>5</b>
<b>Hispanic Male</b>	25	2	1	<b>28</b>
<b>Hispanic Female</b>	7	1	1	<b>9</b>
<b>Asian Male</b>	11	3	0	<b>14</b>
<b>Asian Female</b>	27	2	2	<b>31</b>
<b>Other</b>	0	0	0	<b>0</b>
<b>Total</b>	<b>111</b>	<b>14</b>	<b>6</b>	<b>131</b>

<b>Age</b>	<b>Tarrant</b>	<b>Denton</b>	<b>Parker</b>	<b>Total</b>
<b>Under 1 month</b>	9	1	0	10
<b>1 month - 4 months</b>	22	4	1	27
<b>5 months - 8 months</b>	6	0	1	7
<b>9 months - 12 months</b>	4	1	0	5
<b>1 year - 5 years</b>	25	2	1	28
<b>6 years - 10 years</b>	7	1	1	9
<b>11 years - 15 years</b>	11	3	0	14
<b>16 years - 17 years</b>	27	2	2	31
<b>Unknown</b>	0	0	0	0
<b>Total</b>	<b>111</b>	<b>14</b>	<b>6</b>	<b>131</b>

**SPECIAL SERVICES**





## **SPECIAL SERVICES**

### **FORENSIC EDUCATION PROGRAM**



Opportunities for education in the forensic sciences are extended to local law enforcement, medical, and higher education agencies through the medical examiner's office. Over 600 persons annually are provided the unique educational experience of witnessing a forensic autopsy. Local agencies served through this educational program include the Fort Worth and Arlington Police and Fire Academies, District Attorney Offices in Hood and Denton County, Weatherford College Nursing School, and both the pre-med and biology honor

sciences at Texas Wesleyan University and other colleges.

### **MEDICAL EXAMINER'S AND CORONER'S ALERT PROJECT (MECAP)**

The U.S. Consumer Produce Safety Commission (CPSC), an independent federal regulatory agency created by Congress in 1972 to protect the public from unreasonable risks of injury or death associated with various consumer products, collects product information from the Tarrant County Medical Examiner's Office in an ongoing effort to identify and recall defective products. Applicable deaths falling under the jurisdiction of the medical examiner's district are evaluated according to CPSC guidelines as set forth under the Medical Examiner's and Coroner's Alert Project (MECAP). During an in-depth investigation into the cause and manner of death, information about possible mechanisms of injury is assessed for validity. When a death is attributable to a consumer product, relevant information is compiled and forwarded to the CPSC. Specific information about these records, presented as summaries indexed by consumer product, can be obtained through the Injury/Potential Injury Incident File (IPII) maintained by the CPSC. Information presented by the medical examiner's office can lead to the CPSC's negotiation of voluntary industry standards, enforced mandatory standards, product recall and repair, research on potential product hazards, and consumer education initiatives.

### **DRUG ABUSE WARNING NETWORK (DAWN)**

DAWN provides semi-annual estimates of the number of drug-related visits to hospital Emergency departments based on a nationally representative sample of short-stay general hospitals located throughout the United States. Emergency room estimates are produced for 21 large metropolitan areas and for the nation. DAWN also collects information on drug related deaths from selected medical examiner offices, including the Tarrant County Medical Examiner District. Drug-related death data are produced for more than 40 metropolitan areas. Additionally, the Tarrant County Medical Examiner District provides data annually on drug-related deaths to the Tarrant Council on Alcoholism and Drug Abuse (TCFADA) and the Behavioral Research Institute of Texas Christian University.

**PRESENTATIONS,  
PROFESSIONAL TRAINING  
and  
SCIENTIFIC ACTIVITIES**



## PRESENTATIONS, PROFESSIONAL TRAINING, AND SCIENTIFIC ACTIVITIES

### NEW EMPLOYEES

- Dr. Robert Lloyd White, M.D. Deputy Medical Examiner
- Mick Kimbrow Forensic Death Investigator
- Cheryl Wheeler Forensic Toxicologist
- Connie Lewis Forensic Toxicologist
- Julieta Alvedros Records Clerk

### JANUARY

- Carolyn Van Winkle and Constance Patton attended the AFDA meeting in Austin, Texas.

### FEBRUARY

- Larry Reynolds attended the PMA show in Las Vegas, Nevada.
- Ronald Singer, Carolyn Van Winkle, Patricia Eddings, Dana Austin, Kelly Belcher, Angela Springfield, Marc Krouse, Nizam Peerwani and Nannepaga Zachariah attended the annual meeting of the American Academy of Forensic Sciences in Dallas, Texas; Mr. Singer was installed as President of the organization at that meeting.
- Jamie Becker served as a Product Safety Advisor for the Shooting, Hunting and Outdoor Trade Show (SHOT Show) in Las Vegas, Nevada.

### MARCH

- Patricia Eddings and Kelly Belcher attended a Footwear Examination school taught by William Bodziak in Austin, Texas.
- Patricia Eddings presented a lecture to the Texas Criminal Defense Lawyers Association in Dallas, Texas.
- Dana Austin completed a training course using laser mapping equipment and also taught a one day training class to members of the Dallas FBI ERT team.

### APRIL

- Ronald Singer participated in a meeting of the UTA College of Science Advisory Panel.
- Mike Smith attended a meeting of the Texas Society Of Histotechnology in Lubbock, Texas.

### MAY

- Jamie Becker attended the annual training seminar of the Association of Firearm and Toolmark Examiners (Vancouver).
- Bill Bailey attended the NCIC training in Austin, Texas.
- Ronald Singer attended a meeting of the Forensic Science Education Programs Accreditation Commission (Chicago) and also was a participant in the National Institute of Justice, a 180 day study to assess the status and needs of the forensic science community in Washington, DC.

### JUNE

- The crime laboratory was inspected and re-accredited by ASCLD/LAB during the month.

## **JULY**

- Patricia Eddings and Kelly Belcher attended a seminar on courtroom testimony at the Carrollton Police Department and also presented lectures in various forensic topics to COG students at the North Texas Council of Governments in Arlington, Texas.
- Ronald Singer delivered a lecture at the Forensic Science Educational Conference in St. Louis, Missouri.

## **AUGUST**

- Constance Patton and Carolyn Van Winkle attended the AFDA meeting in Austin, Texas.
- Bill Bailey attended a week of training in IAI in St. Louis, Missouri.
- Carolyn Van Winkle conducted a quality audit of the Austin Police Department's DNA Laboratory in Austin, Texas.
- Jamie Becker attended the ATF Full-automatics and Silencers Workshop in Houston, Texas.
- Patricia Eddings and Kelly Belcher attended the Lamp Filament Examination School at the DPS Laboratory in Austin, Texas.

## **SEPTEMBER**

- Ronald Singer represented the American Academy of Forensic Sciences in a forensic fact finding mission to Santiago, Chile and Buenos Aires, Argentina.
- Constance Patton and Carolyn Van Winkle attended a seminar sponsored by ABI in Austin, Texas.
- Patricia Eddings presented a lecture to the Texas Criminal Defense Lawyer's Association.
- Obinna Ugwu attended the NAME annual meeting.

## **OCTOBER**

- Constance Patton and Carolyn Van Winkle attended a SANE meeting during the month.
- Pat EI Rashid and Larry Anderson attended Texas Property and Evidence Association.
- Ronald Singer attended the ITERPOL International Forensic Science Symposium in Lyon, France.

## **NOVEMBER**

- Constance Patton attended the annual CaDIS Users Group meeting in Crystal City, Virginia.
- Dr. Dana Austin, with the assistance of all members of the crime lab, presented a Buried Body Recovery school for the Arlington Police Department in Arlington, Texas.
- Dr. Dana Austin taught forensic anthropology at "Expanding Your Horizons in Math and Science".
- Dr. Dana Austin attended a workshop titled "Strangulation Related Injuries" in Arlington, Texas.
- Dr. Roger Metcalf participated in the Field Functional Disaster Preparedness Exercise held at Tarrant County Public Health Department.



## **DECEMBER**

- Several of the laboratory staff participated in the Medical Examiner's Fifth Annual Conference, Current Trends in Forensic Science.
- Ronald Singer participated in a meeting of the International Scientific and Professional Advisory Council of the United Nations in Courmayeur, Italy as a guest of the Courmayeur Foundation.