



PB98-130859

# **Final Performance Report**

## **Occupational Medicine Residency Training Program**

**Submitted by:**  
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**Division of Occupational & Environmental Medicine**  
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**Oklahoma City, OK 73104**

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**February 27, 1997**





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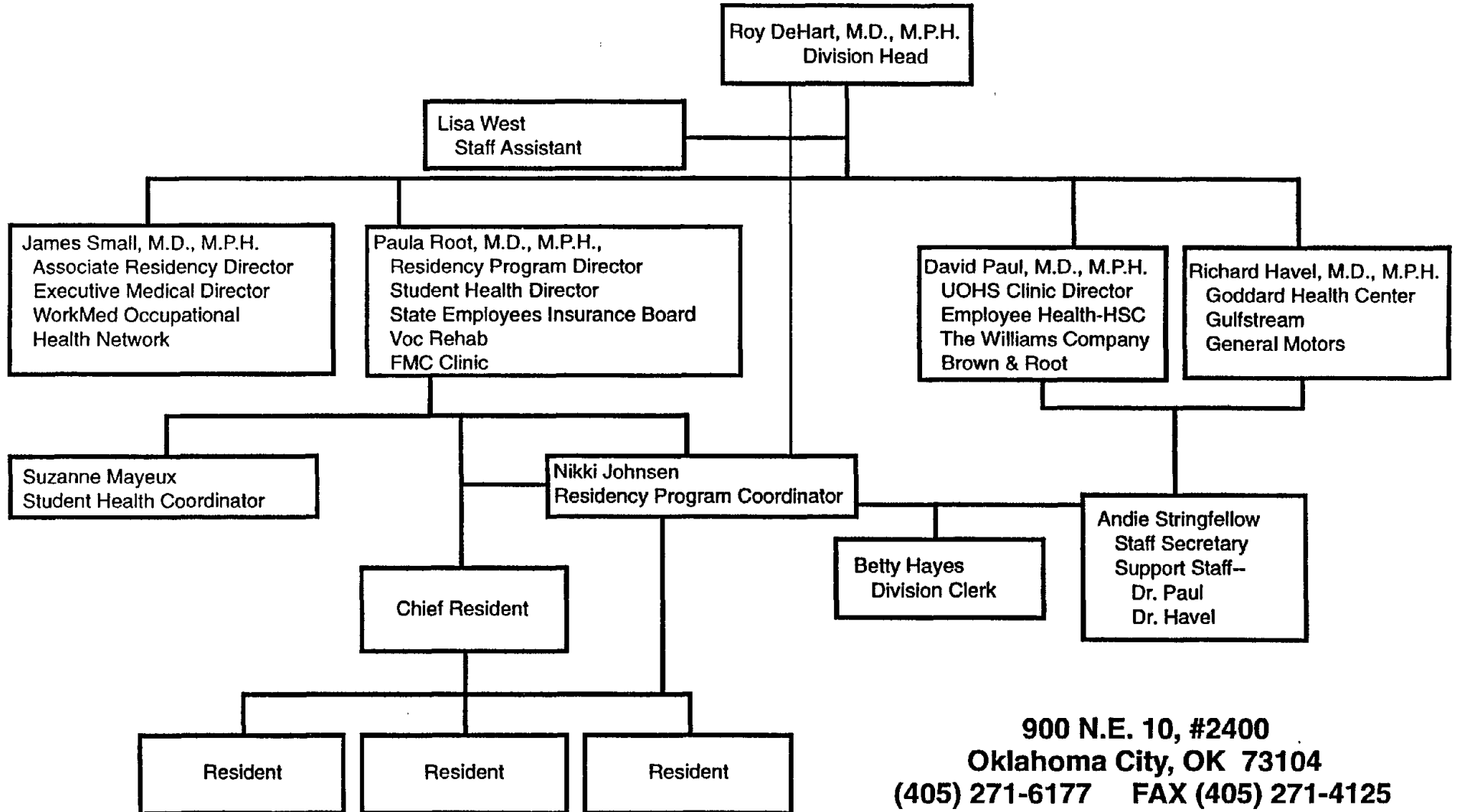
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# Division of Occupational & Environmental Medicine

Department of Family & Preventive Medicine  
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<b>Abstract</b>		TO1/CCT610447	
PROGRAM DIRECTOR Paula Root, MD, MPH		PERIOD COVERED BY THIS REPORT	
NAME OF ORGANIZATION University of Oklahoma Health Sciences Center		FROM 9/1/91	THROUGH 8/31/96
TITLE <i>(Repeat title shown in item 1 on first page)</i> Occupational & Environmental Medicine Residency			

Our efforts at the University of Oklahoma College of Medicine, Department of Family Medicine, Division of Occupational and Environmental Medicine remain strong and our goals remain centered around the education of well-trained, competent occupational health professionals. The most significant change during this reporting period has been in the faculty and residency director position. We end this reporting period with a full complement of enthusiastic faculty. The content academic and practicum year has not significantly changed. Our division continues to provide educational offerings to community health care providers, residents, and medical students. We are grateful to NIOSH for their continued support of our program without which we could not achieve our goal of training quality occupational medicine physicians.

<b>Significant Findings</b>		TO1/CCT610447	
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The significant findings for this grant period are represented in our graduates. Listed below are these graduates, their present positions and board status.

Name	Mo/Yr Adm	Mo/Yr Grad	Present Position	Yr ABPM Certified
Kevin Boehle, DO, MPH	7/95	6/96	Southern Colorado Clinic, Pueblo, CO	Eligible for exam 11/97
Donald Christensen, DO, MPH	7/94	6/96	US Air Force, Brooks AFB, TX	Took exam 11/96, did not pass core
Steve Swyden, MD, MPH	07/93	06/96	WorkMed, Tulsa, OK	1997
Sharon Hall Davis, MD, MPH	01/91	01/95	Center of Occupational Medicine, Westlake, LA	1997

Kenny Hommel, MD, MPH	01/94	12/95	Center for Business Occupational Medicine, Columbus, GA	1997
William (Bud) Jones, MD, MPH	01/94	12/95	Baptist Meridian Occupational Medicine Clinic, Oklahoma City, OK	Eligible for exam 11/97
Bruce Randolph, MD, MPH	8/94	12/95	Occ Rehab Memphis, TN	Eligible for exam 11/97
Rhonda King, MD, MPH	01/92	06/95	Helian Health Group, Inc. Atlanta, GA	Took exam 11/96-- status unknown
Kris Vara, MD, MPH	07/93	06/95	Medalia Healthcare, Tacoma, WA	1997
Tamela Hamilton, MD, MPH	07/92	06/94	Midwest City Regional Hospital Midwest City, OK	1997
Terry Hommel, MD, MPH	01/93	12/94	Center for Business Occupational Medicine, Columbus, GA	1996
Karen Smallwood, MD, MPH	01/93	06/94	WorkMed, Tulsa, OK	1996
Thomas Bettes, MD, MPH	07/91	06/93	American Airlines Dallas, TX	1995

Paul Kramer, MD, MPH	06/90	05/93	COMP Center Evansville, IN	1996
Gary Leanz, MD, PhD, MPH	07/91	06/93	Arnot-Ogden Medicial Center Elmira, Ny	1995
William Scott, MD, MPH	07/91	06/93	Carle Clinic Assn Urbana, IL	1995
Tom Campbell, MD, MPH	06/90	07/93	Sun Oil Company Tulsa, OK	1994
Tiari Harris, MD, MPH	06/90	07/93	WorkMed Tulsa, OK	1994
James Wesdock, MD, MPH	06/90	07/93	McGuire Medical Group Richmond, VA	1994
Andrew Floren, MD, MPH	06/98 9	07/92	Occ Med, Florence, SC	1993
Keith Abney, MD, MPH	06/89	07/92	General Electirc Mt, Vernon, IN	1993
Kevin O'Shea, MD, MPH	06/89	07/92	AMOCO Corp, Whiting, IN	1993
Robin Armenia-Cope, DO, MPH	07/90	06/92	Occ Helath Internationals Atlanta, GA	1994
Dennis Estep, DO, MPH	07/90	06/92	OccuMed Joplin, MO	1995

<b>PROGRESS REPORT SUMMARY</b>		TO1/CCT610447	
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*(SEE INSTRUCTIONS)*

Our efforts at the University of Oklahoma College of Medicine, Department of Family Medicine, Division of Occupational and Environmental Medicine remain strong and our goals remain centered around the education of well-trained, competent occupational health professionals. In this reporting period, one of the significant changes that has occurred and should be addressed at the beginning of the progress report summary is the change in residency directors of the training program. July 1, 1994, Lynn Mitchell, M.D., M.P.H., became the Residency Director and the Division Head for the Occupational & Environmental Medicine Division. During this time period Roy DeHart, M.D., M.P.H., assumed the role of Chairman of the Department of Family and Preventive Medicine. Lynn Mitchell M.D., M.P.H., assumed Directorship of the Oklahoma Health Care Authority on January 1, 1996. At that time, Roy L. DeHart, M.D., M.P.H., was named Administrative Director and Paula Root, M.D., M.P.H, was named the Residency Director of the Occupational and Environmental Medicine Division. Although this represents a significant change in leadership, it has not or will not represent a significant change in Division functions. This is recognized to be a positive move for all and has resulted in numerous benefits to the Division by virtue of Dr. DeHart also being the Chairman of the Department. We anticipate that this strength will continue as well as numerous other positive events that have occurred during this reporting period regarding faculty members which will be addressed later.

The program presently retains its two fully accredited residency elements, housed in the Department of Family and Preventive Medicine in Oklahoma City, and the other residing in the Work-Med Occupational Network associated with St. John Medical Center in Tulsa, Oklahoma. Both of these programs have as a primary objective the provision of educational opportunities and training for physicians desiring expertise in Occupational and Environmental Medicine (OEM). The two programs maintain the same curriculum, with the Oklahoma City program being accomplished in a standard two-year format and the Tulsa program over a three-year time span.

Our faculty has been able to increase during this reporting period with the present faculty as of August 31, 1996, being represented by Drs. Roy DeHart, Paula Root, David Paul, Richard Havel, and James Small. While Dr. DeHart has assumed the Chairmanship of the Department, he continues to function as the Division Administrative Head and is active in teaching and clinical activities. Dr. Paula Root joined the Division in September 1993, as an Assistant Professor. Dr. Root became Residency Director January 1, 1996. Her other responsibilities include Medical Consultant for the Oklahoma State Department of Rehabilitative Services, Coordinator for Graduate and Undergraduate Electives in OEM, Medical Director of the Student Health Service at the University of Oklahoma Health Sciences Center, Course Director for Clinical Occupational Medicine I and II (OEH 5843 and 5853), and providing services at both the University Occupational Health Science clinic (UOHS) and in the Family Medicine clinics. Dr. David Paul, a graduate of our residency program in 1987 returned as a faculty member in October 1994. His responsibilities include Assistant Clinical Professor, Administrator of University Occupational Health Sciences Clinic (UOHS), Resident/Faculty Advisor, Coordinator for the University of Oklahoma Health Sciences Center Employee Health, Medical Consultant for The Williams Companies, and Medical Consultant for Brown and Root. Dr. Richard Havel joined the Division in January 1996. Dr. Havel is an Assistant Clinical Professor for the Division of OEM. He provides services at our clinic (UOHS), Medical Director for Gulfstream Technologies, and is a Medical Consultant for General Motors. Dr. James Small continues as the Associate Residency Director and Assistant Professor overseeing our Tulsa

program. He joined the Division in 1989 and during that same year became the Executive Medical Director for WorkMed Occupational Health Network of Tulsa. Dr. Ken Hart who joined the Division in 1994, left the Division in 1995 to pursue other of OEM opportunities.

From the inception of the program in July 1986 to the end of this reporting period August 31, 1996, the program has graduated 40 residents. Our residents continue to perform well on the American Board of Preventive Medicine. To the present, 38 residents have taken this certification examination: 36 have passed, one (1) did not pass, one (1) status is unknown, one (1) resident has pursued Occupational Medicine certification through the Osteopathic Pathway, and one (1) resident will be eligible for the exam in November 1997. To our knowledge, all of the residents remain active in the practice of OEM. We have continued to produce high quality Occupational Medicine practitioners during this reporting period, who have been in great demand as the market continues to be brisk in OEM.

The academic year is spent primarily achieving a Masters of Public Health Degree from the College of Public Health, Department of Occupational Health at the University of Oklahoma Health Sciences Center. Course work includes 44 semester hours in Occupational and Environmental Health, Biostatistics and Epidemiology, Health Organization and Administration, and Social and Behavioral Sciences to meet the requirements of the degree. Our residents complete this rigorous schedule over a one-year time span, and continue to do quite well academically. Our faculty have an active part in teaching the OEH 5843 & 5853 classes, with Dr. Paula Root as the Course Director.

In addition, the academic year is supplemented with the continuity clinic experience in the University Occupational Health Services Clinic (UOHS) located in the Presbyterian Professional Building. The residents continue to spend two half days per week throughout the academic year in this experience. Our clinic facility remains in association with Columbia-Presbyterian Hospital, a large HCA private medical center located on the Health Sciences Center Campus. Many mutual benefits to the residency program and the hospital have

materialized with this combination of efforts. This clinic experience offers a wide range of experience to the residents, including pre-placement, surveillance, and mandated exams, occupational illness and injury care, and the more complex independent medical examinations and legal consultations. This clinic facility continues to provide Occupational Health service to the OU Health Sciences Center employees which provides the residents with a wide range of employee health opportunities. Residents continue to work in tandem with an OEM faculty member in this facility to achieve a range of clinical experiences during their tenure in the clinic.

The practicum year that is available has not changed significantly during this reporting period other than the addition of several new preceptors thus providing numerous offerings for the resident. We continue to offer opportunities in both the Oklahoma City and Tulsa areas. During the practicum year the residents will rotate through six months of industrial and six months of clinical requirements. Industrial rotations include: Tinker Air Force Base, General Motors Auto Assembly Plant, Kerr McGee Chemical Corporation, American Airlines, and state and federal governmental agencies including county and state health departments, state and federal Department of Labor, and others. During the clinical rotations residents will attend five (5) required rotations (pulmonary, dermatology, neurology, emergency room, and cardiology), and one (1) elective rotation. In addition, residents have taken the opportunity to identify areas of interest, primarily outside of the State for rotation experiences (limited to two (2) months) and those have included major petrochemical headquarters as well as American Airlines, Boeing, CDC, NIOSH and OSHA .

Also present during the practicum year are several on-site continuity clinics at Gulfstream Aerospace Technologies Corporation, Kerr McGee Chemical Corporation and the Federal Health Unit. During this reporting year, Dr. Root has relinquished her position as Medical Director for this facility to Dr. Havel who is now supervising this on-going rotation for the residents during their PGY-3 year. Dr. Paul oversees the residents at the Federal Health Unit. Dr. John Gibbs, Medical Director and Vice President at Kerr McGee, supervises the residents

at Kerr McGee. While rotating through Gulfstream, Kerr McGee and the Federal Health Unit, the resident serves a medical director practicum, and is responsible for on-site clinic functions as well as other health and safety issues to assure federal, State, and local compliance with occupational and environmental mandates. In addition, the resident has opportunities to address other issues that may face them in their future employment including such things as ADA issues as well as numerous administrative issues.

The Division continues to have an integrated Occupational/Family Medicine program. The program has been well received and has space for one resident per year. The program has been designed to allow the resident to complete all elements of both residencies, satisfying the RRC requirements for each as well as the requirements for the American Board of Family Practice and the American Board of Preventive Medicine. The residency is structured such that the resident completes his/her MPH degree during the PGY-2 and 3 years for Family Medicine. This is made possible due to the fact that the MPH courses offered by the College of Public Health on our campus are predominately in the late afternoon and evenings as well as the good working relationship present in the Department of Family Medicine that will allow for the call schedule and rotation schedule to be structured around the academic class schedule. The resident in the integrated program, in addition, takes elective time and fills those rotations with OEM electives. Following completion of the PGY-3 year the integrated resident then enters the practicum year of the OEM program as well as sitting for the Board of Family Practice. The integrated program has been very successful and the individuals that have graduated from this program feel that the combination residency program has been very helpful in their clinical practice. To date, all individuals that have completed the integrated program are in the practice of OEM.

Our primary thrust in this Division is our residency training program. It is also recognized that we, as the OEM training site and the most concentrated area of board certified OEM specialists in the State, have a responsibility in training practitioners in our State, as well as our region in OEM issues. This is accomplished in numerous ways with one of the key areas

being the annual production of the Practical Approaches to Occupational and Environmental Medicine (PAOEM). Dr. Root serves as the course director for this CME seminar which is geared toward primary care physicians, occupational health nurses, occupational PA's and occupational physicians. We have completed seven (7) annual PAOEM courses to date. Our residency program offers additional activities such as Journal Club and case presentations which are available to the community physicians, physicians assistants and others who hold a similar interest in increasing their knowledge in OEM.

Annually in November the Oklahoma College of Occupational and Environmental Medicine (OCOEM) holds its annual two-day continuing medical education offering. The residents compete in a paper presentation at this annual meeting for a financial award, offering their research efforts in a structured lecture format. This conference is also jointly offered by the Oklahoma Occupational Nurses Association and is well attended by physicians, nurses, physician assistants, industrial hygienists, and numerous other safety and health professionals.

The Division has participated as a regional workshop site for the EPOCH-Envi (Educating Physicians in Occupational Health and the Environment) project. This program, funded by NIOSH and ATSDR, and administered through Duke University. It is an educational offering targeted to primary care residency directors. Its main goal is the implementation of OEM issues into primary care residencies. We have conducted five (5) of these workshops to residency directors from across the country from 1992 - 1996.

Throughout this reporting period we have continued educational offerings through our Division, at the medical student level. First year medical students on our campus have contact with Dr. Root during their Introduction to Clinical Care course. OEM issues are introduced in the small group setting and integrated into the discussion. In addition, during the first year of medical school, a two-hour time block in the Medical Epidemiology and Statistics class is set aside for the discussion of OEM, as well as Environmental Epidemiology. The Division continues to offer a four half-day OEM experience for those students doing their family practice rotation

during their 3rd year of medical school at the University of Oklahoma. This has been very well received and routinely educates one student per month in the basics of OEM. During the fourth year of medical school two and/or four week electives are offered in OEM. In the past, this has not been overly utilized primarily due to lack of knowledge by the students of its availability. However, that seems to be changing and utilization has increased dramatically. During this one-month elective, the fourth year medical students are allowed to structure the month along their lines of interest with some guidance by the faculty so that a well rounded introduction to OEM will be obtained.

As addressed previously, the funding that is provided by this grant remains essential in order to maintain the number of residents that can be trained in this program as well as the level of training available. The Tulsa program, as you are aware, has residency funding through the work study format at St. John Medical Center and the Work-Med Occupational Network. At the beginning of this reporting period, the integrated Occupational Medicine/Family Medicine program had residency stipend funding available through the Physician Manpower Training Commission (PMTTC). This PMTC funding, however, has not been available for the integrated program in recent years.

The faculty has been able to increase during this reporting period with the present faculty as of August 31, 1996 being represented by Drs. Roy DeHart, Paula Root, David Paul and Richard Havel. It is with great promise for the future that we have a full complement of faculty as well as residents in our program and are looking forward very positively to the things that can be accomplished through the Division of OEM. These efforts do not come without expenditure, and as stated previously, our primary goal is the training of qualified and competent OEM health professionals, and every dollar received through this grant will be applied directly to this end.

During this reporting period 24 residents have completed the program.

