Rural Medical Student Campus Life

UofL Trover Campus at Baptist Health
Madisonville

Steve Fricker
Director Student Rural Health/Student Affairs
UofL Trover Campus
Purpose of the U of L Trover Campus
By providing first-class medical education in a small Kentucky town, place more graduating medical students in practice in small Kentucky towns.
University of Louisville SOM Trover Campus

RATIONALE

• Health Professionals are important economic engines for small towns (1 new primary care doctor recruited equals $1.6 million annually for the local hospital).

• Doctors tend to practice near to where they train, and in towns like those where they train, and like their hometown.

• Over 60% of Kentucky’s counties are medically underserved.

• Academic performance of ULTC grads has been outstanding.
  - USMLE Step 2 and 3
  - Shelf (rotation) exams
  - Residency match
  - Feedback from residencies
A Brief History of the Trover Campus

1953  Trover Clinic Established
1957  Trover Foundation (Education focus) established
1965  UK medical students begin rotations
1971  First Family Medicine residency in Kentucky
1974  AHES (AHEC precursor) begins
1974  Surgery Project (required 8-week UL M-3 surgery rotation) begins
1985  AHEC begins
1994  Governor Jones proclamation “Off Campus Teaching Center”
1998  M-3/M-4 program begun, Associate Dean recruited
2001  High school and college pathways begin
2006  Rural admissions maximized (Dedicated Admissions)
2010  Class size increased to 12
2012  3 year accelerated track begins
What we are doing

- Pathways
- Scholarships, Loan Repayment
- 3 Year medical school curriculum
- Rural placement of graduates
- Family medicine training
ULTC Pathways

Number of students through 2013/2014

207 61 164 93 108 85 59

High School College Med School Residency Practice

High School Rural Scholars College Rural Scholars Prematric M-3/M-4 Preclinical
High School Rural Scholar Program

- Rising seniors
- Shadowing many health careers
- ACT prep (virtual classroom)
- Small stipend
- Daily Journal

75% of grads are in some health care training program
College Rural Health Scholar

This program provides opportunities for college students from western Kentucky to learn more about rural health and succeed in medical school.

**BENEFITS:**
- A small scholarship grant during college
- Summer sessions in Madisonville
- Shadowing and academic preparation
- Assist with free physicals
- Special consideration for admission to the U of L Medical School

**REQUIREMENTS:**
- From Western KY
- High School GPA ≥ 3.4 and ACT ≥ 24.
- College GPA 3.0 at a participating college
- Demonstrated interest in medicine
- Nomination by Pre-med advisor

**Outcomes:**
- 61 have completed
- 18 finished med school
- 10 in med school
- 12 other health careers
- 8 other careers
Prematriculation/Preclinical Program Goals

To expose the student to clinical skills through observation and practice.

To become familiar with the types of clinical problems managed in primary care.

To become familiar with the process of community health needs assessment.

To facilitate academic success and provide a social support network for the M-1 year.
Preclinical Group Activities

Overview of Patient Evaluation
Well Baby Exam
Video Otoscopy
Heart and Breath Sounds
The Pelvic Exam
Breast Exam
Prostate/Rectal Exam
Suturing Lab
Sports Physical Exam
Clinical Campus

- Move to Madisonville at the end of their second year
- Most rotations in or near Madisonville
- Support for up to 4 weeks electives in Louisville
- Dr. Loman C. Trover Rural Scholarship
Dedicated Admissions

- Applicants now apply to Trover Campus at time of application to ULSOM
- Separate interviews in Madisonville
- Commit to Madisonville during application process
- ULTC attends ULSOM Admission Committee Meetings via VTC
# Current Schedule, ULSOM Trover Campus

## Year 1:
- **July:** Anat, Dev, PE (CADE)
- **August:** Genes to Organs
- **September:** Intro to Clinical Medicine
- **October:** Intro to Clinical Medicine
- **November:** Normal Body Systems
- **December:** Intro to Clinical Medicine
- **January:** Microbiology & Immunology, Pharmacology and Pathology
- **February:** Vacation
- **March:** Religion & Medicine
- **April:** Clinical Neuroscience
- **May:** Step 1 Study Time
- **June:** Vacation

## Year 2:
- **July:** Internal Medicine
- **August:** Surgery
- **September:** Neuro
- **October:** Elective
- **November:** Psychiatry
- **December:** OB/GYN
- **January:** Peds
- **February:** Family Medicine
- **March:** Continuity Clinic (Hopkins County Community Clinic) (Elective)
- **April:** Integration Seminars
- **May:** Electives (23 weeks)

## Year 4:
- **July:** Acting Internship
- **August:** Ambulatory Rotation
- **September:** ICU
- **October:** Palliative Care
- **November:** Electives (23 weeks)

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# Rural Medicine Accelerated Track (RMAT)

## Year 1:
- **July:** Anat, Dev, PE (CADE)
- **August:** Genes to Organs
- **September:** Intro to Clinical Medicine
- **October:** Intro to Clinical Medicine
- **November:** Normal Body Systems
- **December:** Intro to Clinical Medicine
- **January:** Microbiology & Immunology, Pharmacology and Pathology
- **February:** RMAT 1* (4 wks)

## Year 2:
- **July:** RMAT 2* (4 wks)
- **August:** Intro to Clinical Medicine
- **September:** Intro to Clinical Medicine
- **October:** Religion & Medicine
- **November:** Clinical Neuroscience
- **December:** Step 1 Study Time
- **January:** RMAT 3* (3)

## Year 3:
- **July:** Internal Medicine
- **August:** Surgery
- **September:** Neuro
- **October:** RMAT 4*
- **November:** Peds
- **December:** (2) OB/GYN
- **January:** Psychiatry
- **February:** RMAT 5* (3)
- **March:** Continuity Clinic (Hopkins County Community Clinic)
- **April:** Integration Seminars

*rev. Sept. 2014*
# RMAT Curriculum Elements

## Timing and Focus

<table>
<thead>
<tr>
<th>RMAT 1</th>
<th>4 week summer after M-1 year in rural practice near hometown. Continuity of care and detailed practice assessment.</th>
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<tbody>
<tr>
<td>RMAT 2</td>
<td>4 week summer after RMAT-1 in Madisonville. Adolescent health and county-wide health assessment.</td>
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<tr>
<td>RMAT 3</td>
<td>4 week summer rural Family Medicine clerkship after M-2 year.</td>
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<td>RMAT 4</td>
<td>4 week rural free clinic rotation during M-3 year. Performance improvement in continuity care for uninsured, working poor.</td>
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<td>RMAT 5</td>
<td>6 week Acting Internship in Madisonville at the end of M-3 year. Includes USMLE Step 2 CK and CS prep and examinations.</td>
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### Residencies Matched by Trover Campus Graduates

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Residencies Matched</th>
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</thead>
</table>
| **Family Medicine** (44.8%) | BHFP - Madisonville, KY (15)  
SIU - Carbondale, IL  
Memorial Health - Savannah, GA  
Anderson Med Ctr - Anderson, SC  
University of Cincinnati - Cincinnati, OH  
Cabarrus - Concord, NC  
St. Mary's - Evansville, IN  
East TN State - Johnson City, TN (3)  
St. Elizabeth, Edgewood, KY (3)  
Greenville Hospital - Greenville, SC  
Dartmouth - Concord, NH  
U of L Glasgow - Glasgow, KY (2)  
Self Regional - Greenwood, SC  
University of Louisville - Louisville, KY (4)  
Phoebe Putney Hospital - Albany, GA  
University of Wisconsin - Baraboo, WI  
Ft Wayne Med. Ed. - Ft. Wayne, IN  
Clinton Memorial Hospital - Wilmington, OH  
UPMC Medical Education - Pittsburgh, PA  
McLennan County FM - Waco, TX  
Deaconess Hospital - Evansville, IN |
| **OB/GYN** (13.5%) | Mountain AHEC - Asheville, NC (2)  
Brody SOM - Greenville, NC (2)  
Good Samaritan - Cincinnati, OH (4)  
University of Louisville - Louisville, KY  
University of Kentucky - Lexington, KY  
St Johns - St. Louis, MO  
Wake Forest - Winston-Salem, NC  
University of TN - Knoxville, TN |
| **Pediatrics** (12.5%) | Dartmouth - Concord, NH  
Brody SOM - Greenville, NC  
Indiana University - Indianapolis, IN  
VA Commonwealth Univ. - Richmond, VA  
University of Missouri - Columbia, MO  
Marshall University - Huntington, WV  
University of Tennessee - Memphis, TN (2)  
University of Louisville - Louisville, KY (2)  
Vanderbilt University - Nashville, TN  
East TN State University - Johnson City, TN  
St. Vincent Hospital - Indianapolis, IN |

*Percentages show the proportion of Trover Campus graduates who chose that specialty.*
## Residencies Matched by Trover Campus Graduates

<table>
<thead>
<tr>
<th>Speciality</th>
<th>Institutions</th>
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<tbody>
<tr>
<td><strong>Surgery (6.3%)</strong></td>
<td>University of Louisville - Louisville, KY (2)</td>
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<tr>
<td></td>
<td>Good Samaritan - Cincinnati, OH</td>
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<td></td>
<td>University of Kentucky - Lexington, KY</td>
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<td></td>
<td>Banner Good Samaritan - Phoenix, AZ</td>
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<td></td>
<td>University of Arkansas - Little Rock, AR</td>
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<tr>
<td><strong>Dermatology (2.1%)</strong></td>
<td>Southern Illinois Univ. - Springfield, IL</td>
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<td></td>
<td>East Carolina Univ - Greenville, NC</td>
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<tr>
<td><strong>Orthopedics (1.0%)</strong></td>
<td>University of Arkansas - Little Rock, AR</td>
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<tr>
<td><strong>Medicine (6.3%)</strong></td>
<td>Good Samaritan - Cincinnati, OH (2)</td>
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<td></td>
<td>University of Louisville - Louisville, KY (2)</td>
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<td></td>
<td>Keesler AFB Hospital - Biloxi, MS</td>
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<td></td>
<td>West Virginia SOM - Morgantown, WV</td>
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<tr>
<td><strong>Physical Medicine &amp; Rehab (1.0%)</strong></td>
<td>Albany Medical Center - Albany, NY</td>
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<tr>
<td><strong>Urology (1.0%)</strong></td>
<td>University of Louisville - Louisville, KY</td>
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<tr>
<td><strong>Anesthesiology (4.2%)</strong></td>
<td>University of Louisville - Louisville, KY (2)</td>
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<td></td>
<td>University of Texas SW, Dallas, TX</td>
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<td></td>
<td>University of Tennessee - Knoxville, TN</td>
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<tr>
<td><strong>Psychiatry (2.1%)</strong></td>
<td>Penn State - Hershey, PA</td>
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<tr>
<td></td>
<td>East TN State University - Johnson City, TN</td>
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<tr>
<td><strong>Pathology (1.0%)</strong></td>
<td>University of South Alabama - Mobile, AL</td>
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<tr>
<td><strong>Med/Peds (3.1%)</strong></td>
<td>Medical Univ. of SC - Charleston, SC</td>
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<td></td>
<td>University of Kentucky - Lexington, KY</td>
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<td></td>
<td>University Hospital - Cincinnati, OH</td>
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<tr>
<td><strong>Emergency Medicine (1.0%)</strong></td>
<td>GR Education/Research - Grand Rapids, MI</td>
</tr>
</tbody>
</table>
Rural to Urban
17/52 (33%)

Urban to Rural
3/9 (33%)

Urban to Urban
6/9 (67%)

Total to Rural
31/52 (60%)

Ky Rural to Ky Rural
24/40 (60%)

(All U.S. med schools to rural = 3%;
Five leading rural programs in
U.S. = 50%)
ULTC Family Medicine Residency Percentages
