

Training Requirements and Capabilities of Vermont EMS

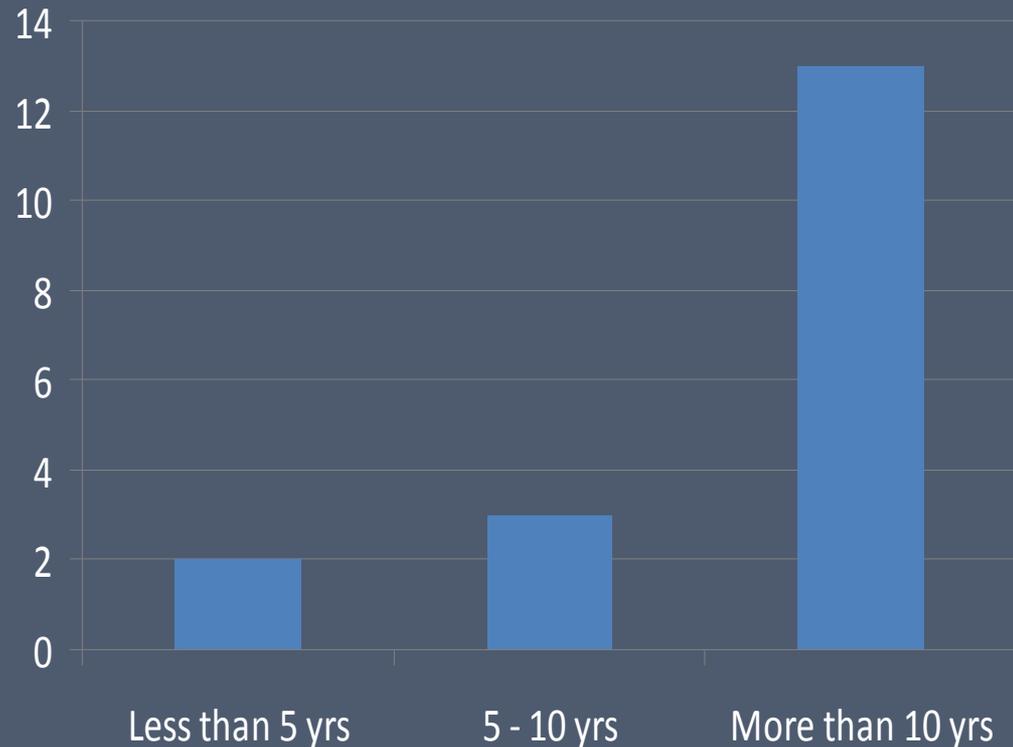
March 2011

Outline

- Who teaches EMS courses
- Where courses occur
- What courses cost
- How VT fits with the National EMS Scope of Practice Model
- Pass rates on NREMT exams
- How a course happens
- Required refresher CE availability
- Additional CE availability
- EMS instructor development
- Access to levels of EMS care
- How many EMS providers does VT have
- Trends in EMS personnel
- National EMS Education Standards

Who teaches EMS courses

Teaching experience



Instructor Certification Level

1 EMT-B

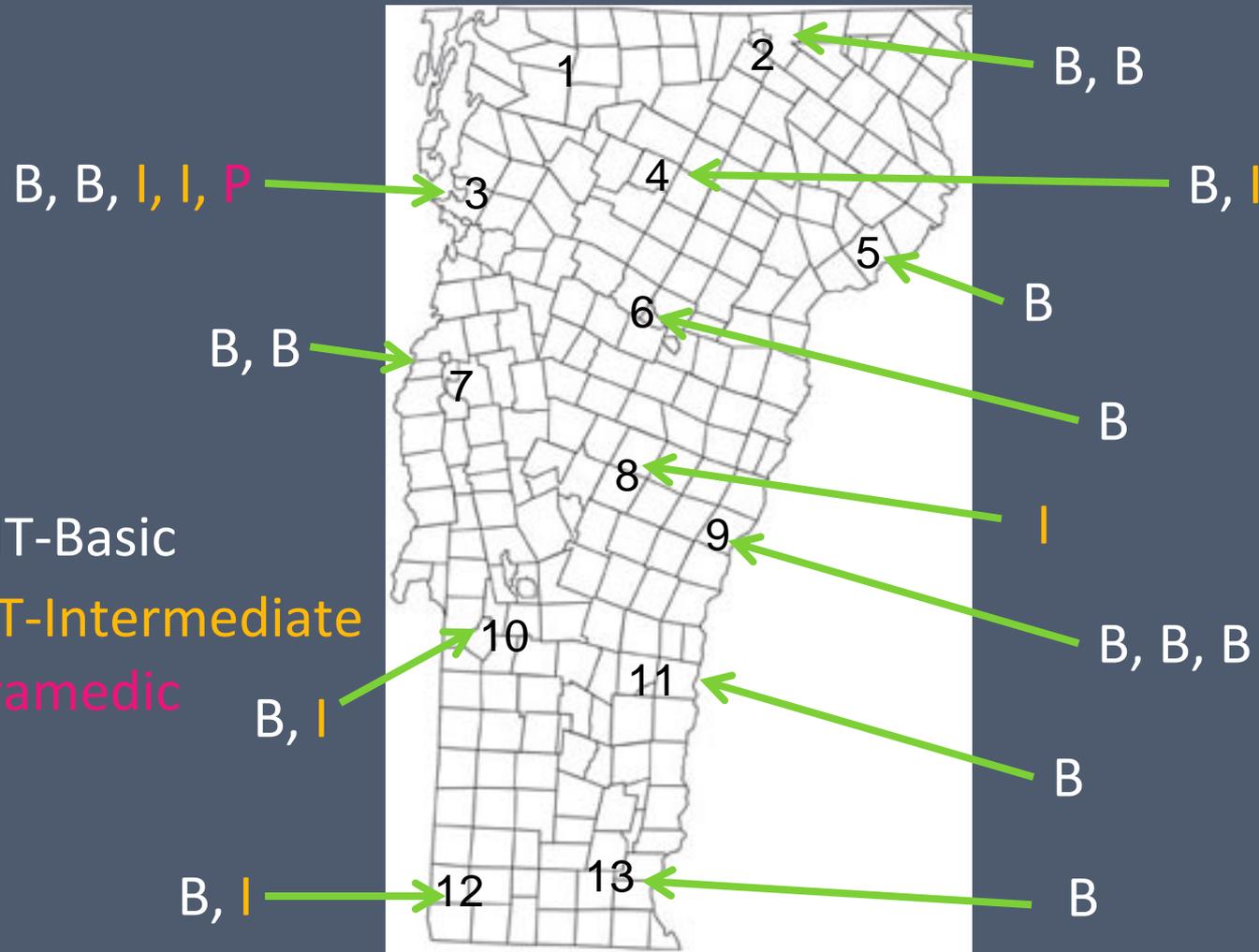
9 EMT-Is

8 Paramedics

Data from 7/10 - 3/11

18 active instructors

Where Courses Occur (2010-11)



KEY:

B: EMT-Basic

I: EMT-Intermediate

P: Paramedic

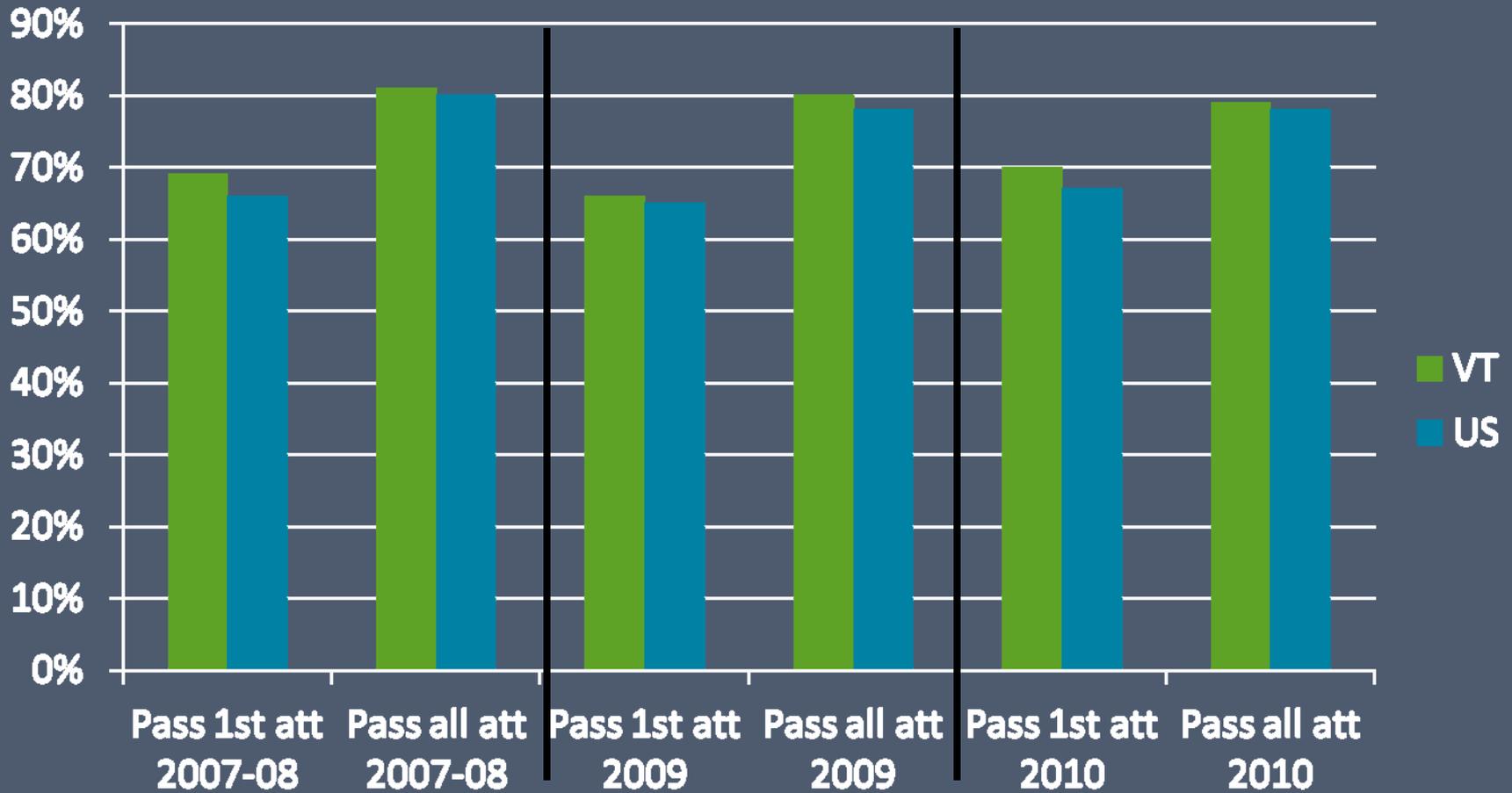
What Courses Cost

- EMT-B
 - Average \$345
- EMT-Intermediate
 - Average \$550
- Paramedic
 - Expenses for first course borne by FIREACT grant
 - Future course tuition to be determined by VTC/UVM
- Individuals are often reimbursed by their EMS agency
- Course costs are established by the sponsoring agency or instructor

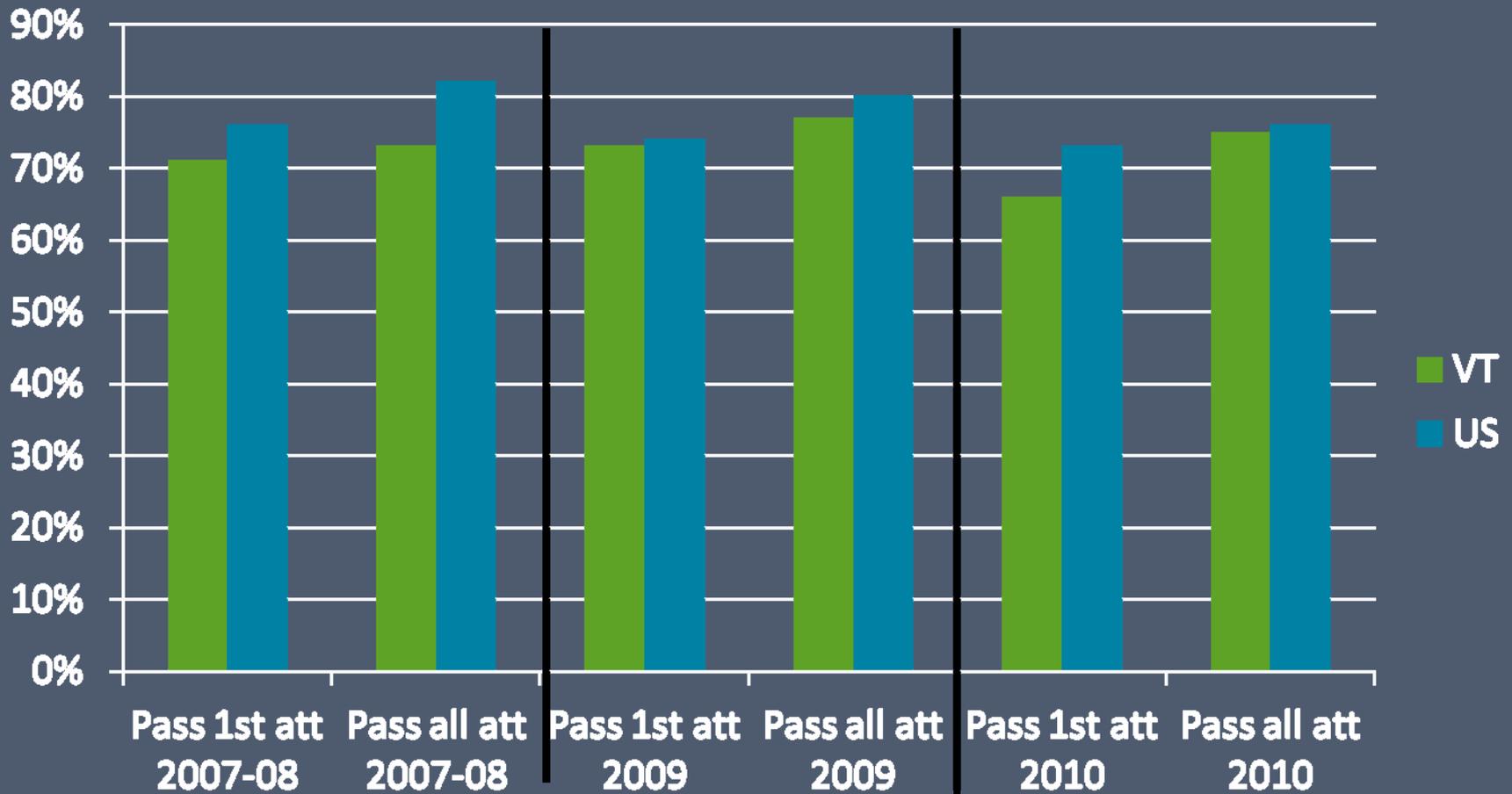
How VT Fits with the National EMS Scope of Practice Model

National Level	VT Level & Scope	Test
Paramedic	Same	NREMT
Advanced EMT	Same	NREMT
EMT	Same	NREMT
Emergency Medical Responder	Same	NREMT

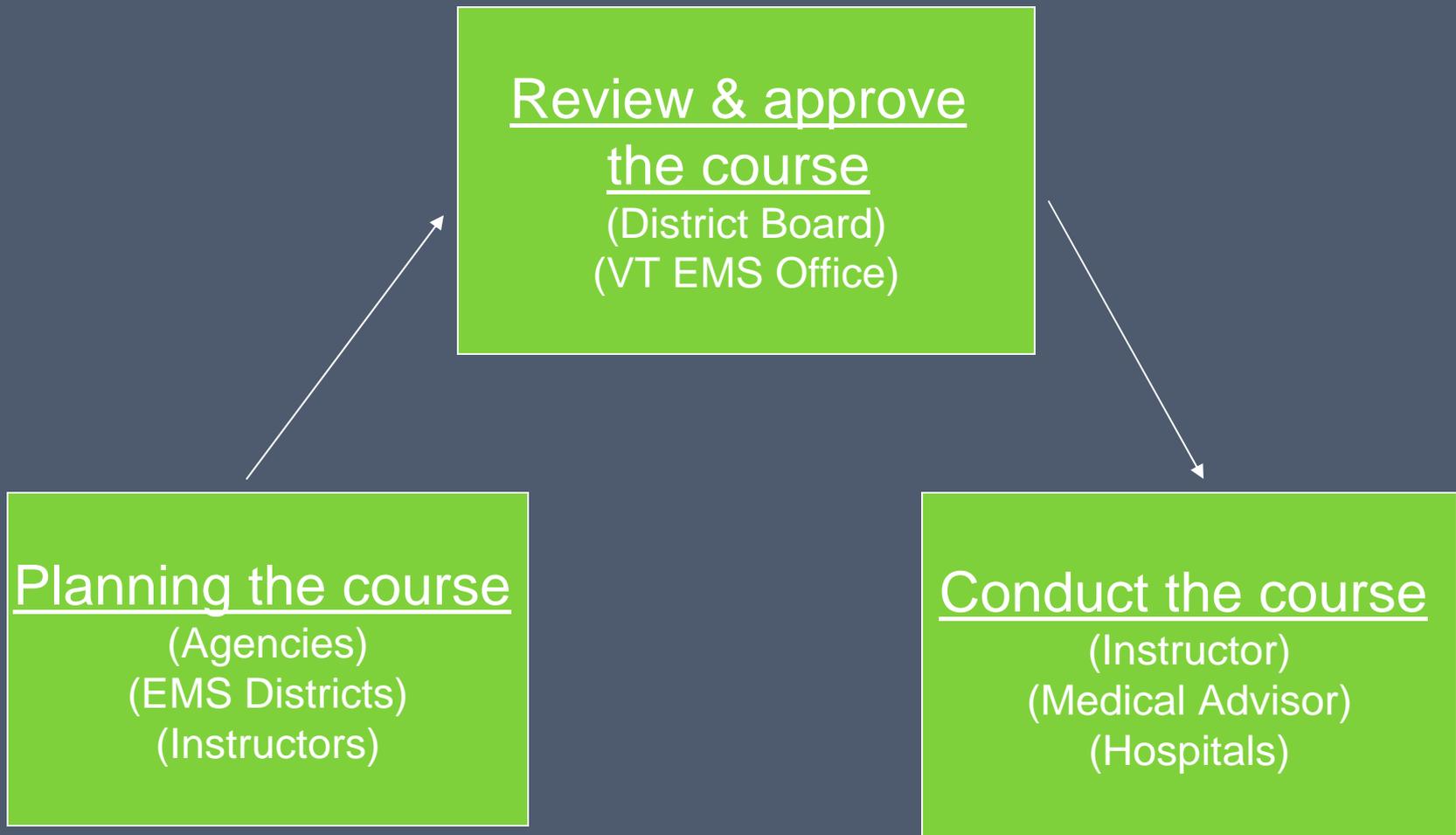
EMT Pass Rates on NREMT Exam



FR Pass Rates on NREMT Exam



How a Course Happens



EMS Course Planning

- EMS Agencies and Districts
 - Identify course needs
 - Review and approve offerings (QA/QI)
- Instructor-Coordination
 - Plan course delivery
 - Coordinate speakers and skill instructors

EMS Course Approval

- District boards
 - Approve specifications of course offerings (dates, cost, instructor, location, etc)
- VT EMS Office
 - Approves courses for content and other requirements
- Commission on Accreditation of Allied Health Programs
 - Provides national accreditation of Paramedic programs

EMS Course Delivery

- Instructor/Coordinator
 - Delivers or arranges for delivery of instruction
 - Evaluates candidates and determines pass/fail
- District Board
 - Monitors courses during delivery
- District Medical Advisor
 - Liaison to hospitals and medical community
 - Resolves clinical questions and issues
- Hospitals
 - Provide clinical opportunities

EMS Course Delivery- contd.

- EMS Agencies
 - Often provide skill instructors
 - Often provide practical examiners
- VT EMS Office
 - Often delivers presentations on EMS systems, certification requirements, etc.
 - Pays for first attempts on NREMT certification exams
 - Proctors certification examinations
- NREMT
 - Assures initial and ongoing competence for EMS personnel

Required Refresher CE availability

- Squad training
- District refresher courses and other training
- VT EMS conference
- Other state EMS conferences (NY, NH)
- Other EMS conferences
- On-line programs

Additional CE availability

- Specialty courses (BTLS, PHTLS, etc.)
- District medical advisor case reviews
- Fire and police academies
- NIMS (national incident management system)
- Hazardous materials
- Infection control
- Emergency Management Institute
- On-line programs

All of these are acceptable as additional CE, even when required by OSHA, EPA, etc.

EMS Instructor Development

- Courses based on a New England Council for EMS program shared by the New England States
- Courses have historically been delivered by IREMS/UVM
- Periodic continuing education coordinated by VT EMS
- Candidates have self identified or been recruited by EMS districts

Access to Levels of EMS Care



EMT-B: whole state



EMT-I: whole state



EMT-P: most of state

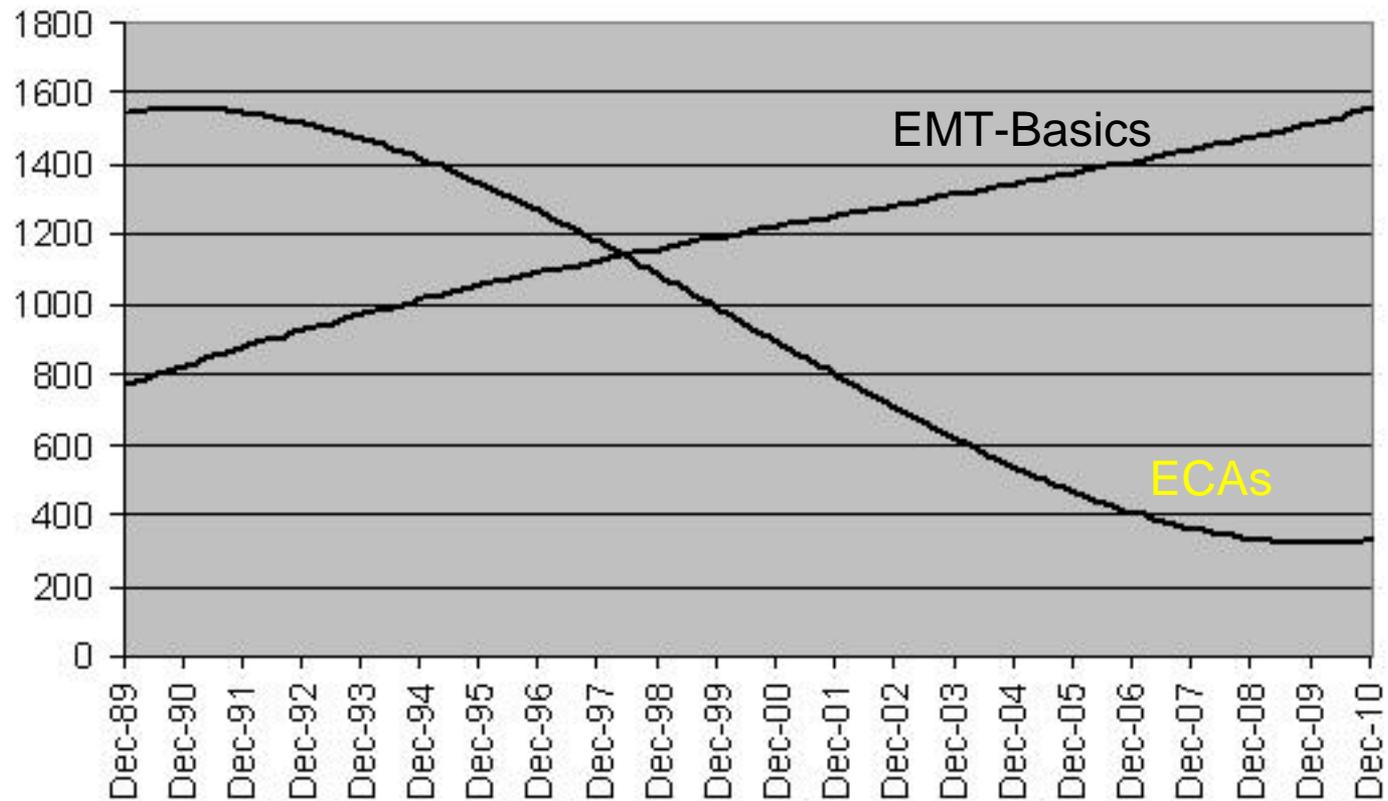
How Many EMS Providers Does VT Have

	VT	Per 100,000 pop.	NH	Per 100,000 pop.
FR	286	46.0	248	18.7
EMT-B	1564	251.5	2296	173.3
EMT-I	741	119.2	1336	100.9
EMT-P	222	35.7	780	58.9
Total	2813	452.4	7204	351.8

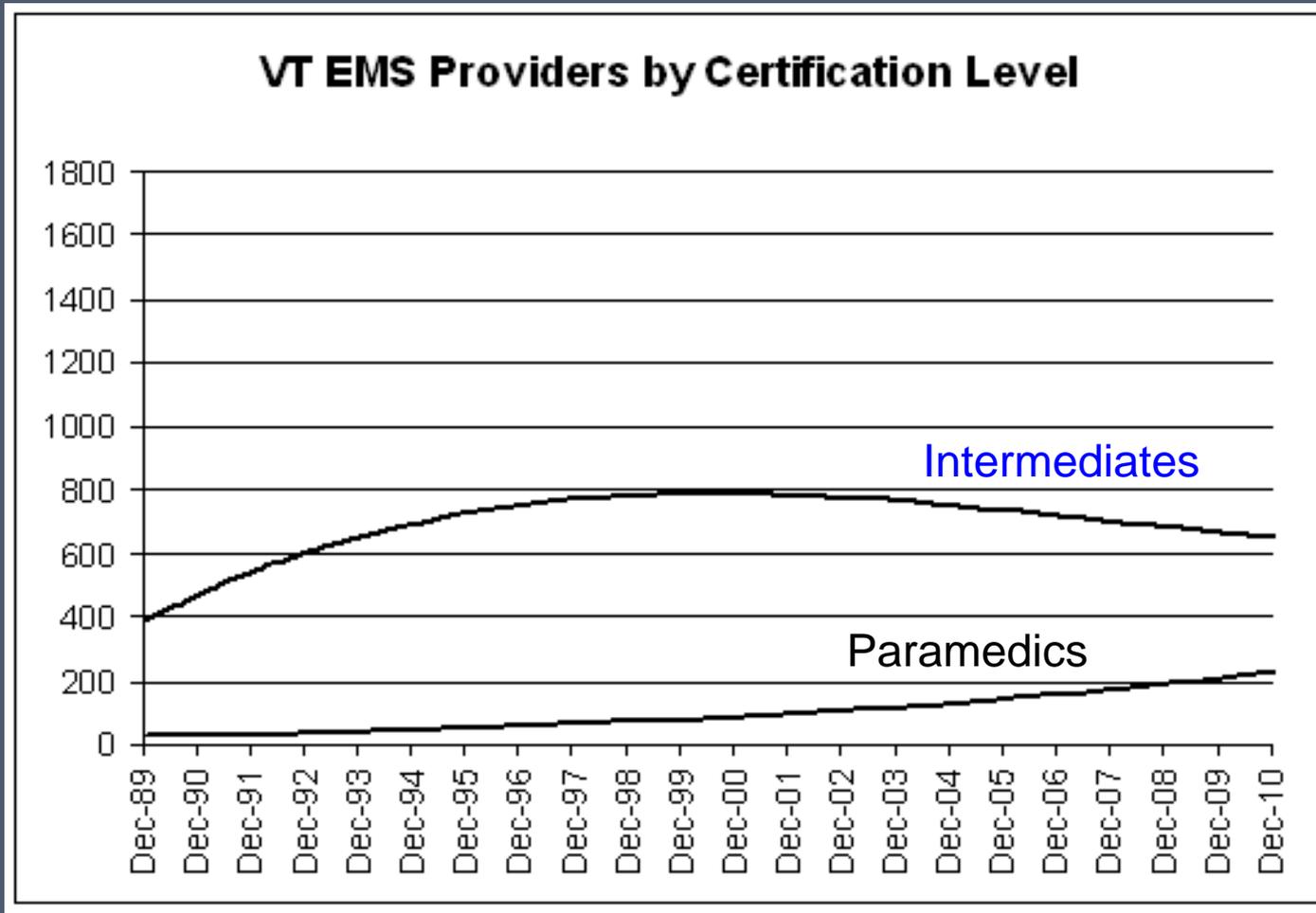
Based on US Census 2009 estimates: VT 621,760 and NH 1,324,575

Basic level trends

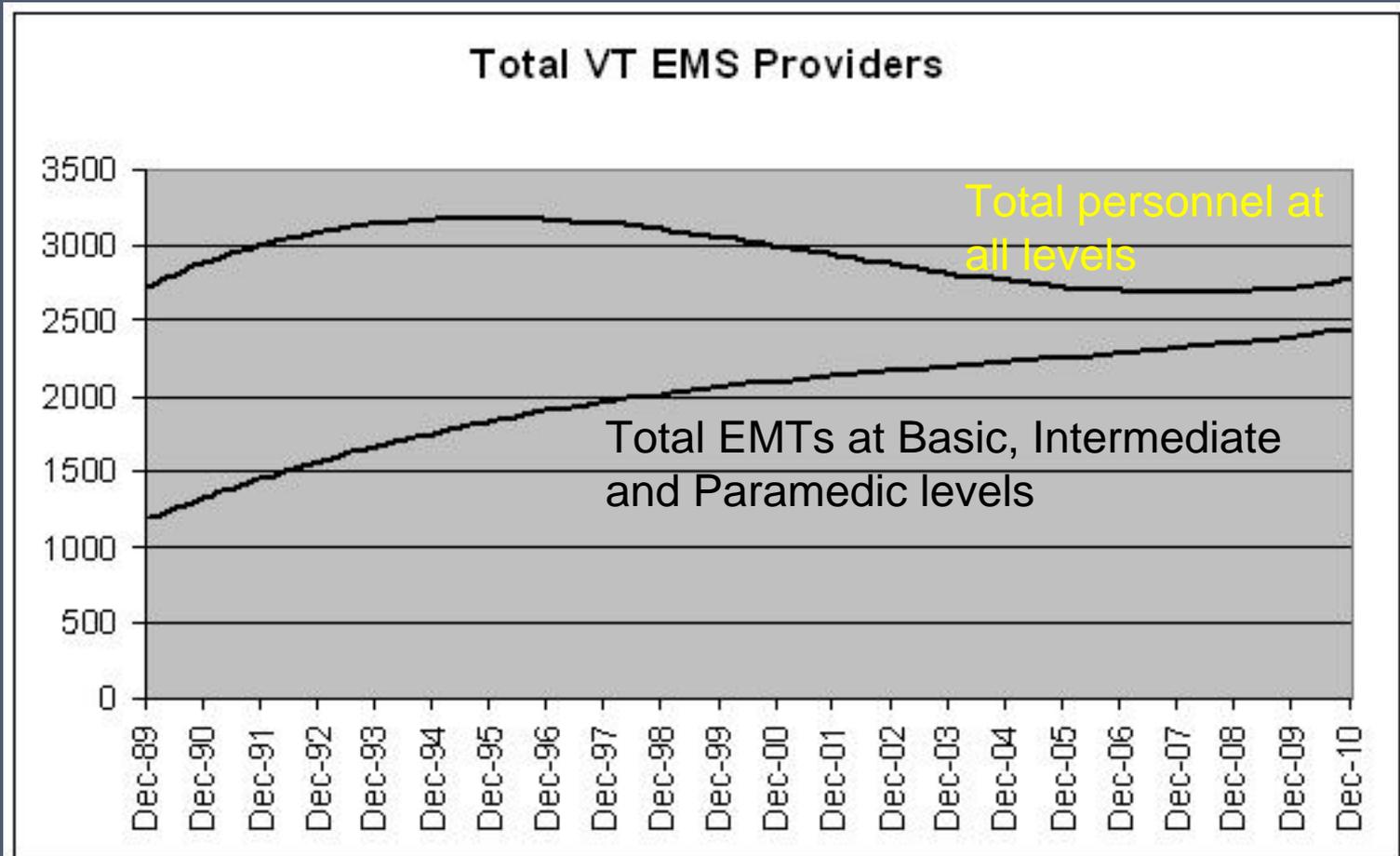
VT EMS Providers by Certification Level



Advanced level trends



EMT and total personnel trends



National EMS Education Standards-

Moving towards the future

- Transition for existing
 - Instructor-Coordinators
 - Providers
 - Agencies
- Initial training
 - (EMR) Emergency Medical Responder
 - EMT
 - AEMT (Advanced EMT)
 - Paramedic