Eastern Kentucky University Encompass

EKU Faculty and Staff Scholarship

8-4-2016

A Matter of Degrees? Views of EMS Online Degrees' Value and Design

Sandy L. Hunter *Eastern Kentucky University*

Follow this and additional works at: http://encompass.eku.edu/fs_research Part of the Emergency Medicine Commons

Recommended Citation

A Matter of Degrees? Views of EMS Online Degrees' Value and Design: Peer Reviewed Presentation

This Conference Presentation is brought to you for free and open access by Encompass. It has been accepted for inclusion in EKU Faculty and Staff Scholarship by an authorized administrator of Encompass. For more information, please contact Linda.Sizemore@eku.edu.

Matter of Degrees?

Views of EMS Online Degrees' Value and Design

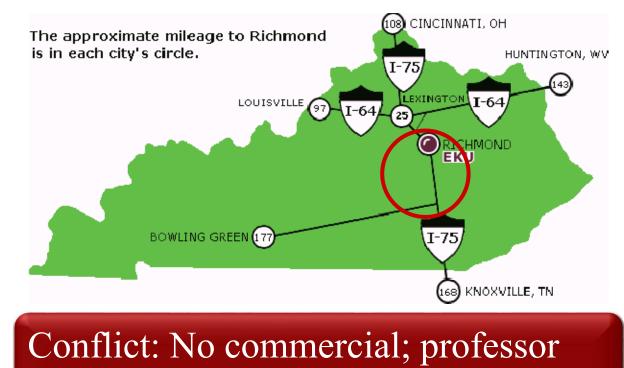
Sandy Hunter, PhD, NRP

sandy.hunter@eku.edu

Objectives

Who are prospective students?
What value they see in degree?
What courses they want?
Implementation issues?

Eastern Kentucky University Paramedic Program



Current Status

Land grant
16,000 students
AS 40 years old (CoA #002)
Paramedicine BS has 3 tracks

History

BS growing (med school)
Availability to "hitch" onto existing MS degree as track
E-campus growing

Fall 14 = 2,6000 "E-campus students"

Typical Cohorts

BS and AS students
Admin, Fire, and Science
Men & Women
Some Intertnl.



Level of Diversity



PRIDE

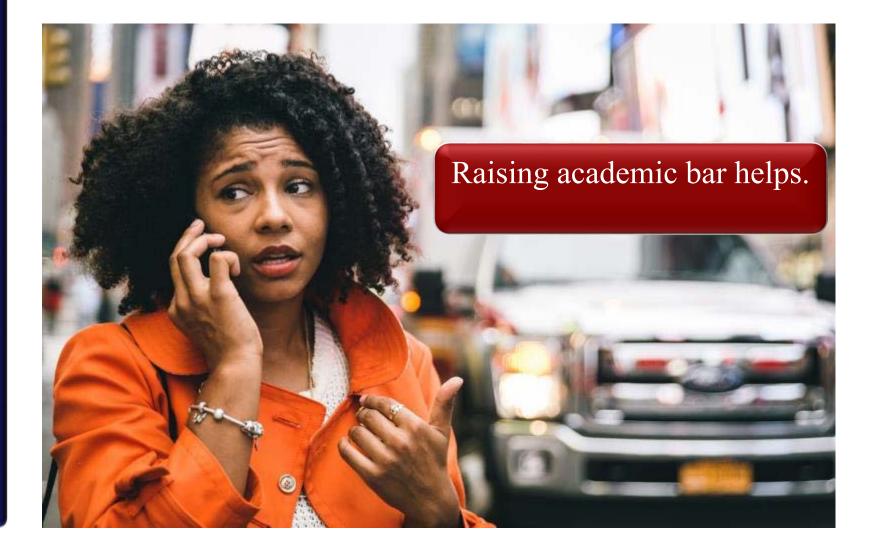
Paramedic Recruitment Initiative for Diversity in EMS Scholarship

Grow or Stagnate

Program needs to reach out
More students need to work
Reach out to military



Public needs Paramedics



Why Academics?

Teaches and allows time to learn CRITICAL THINKING

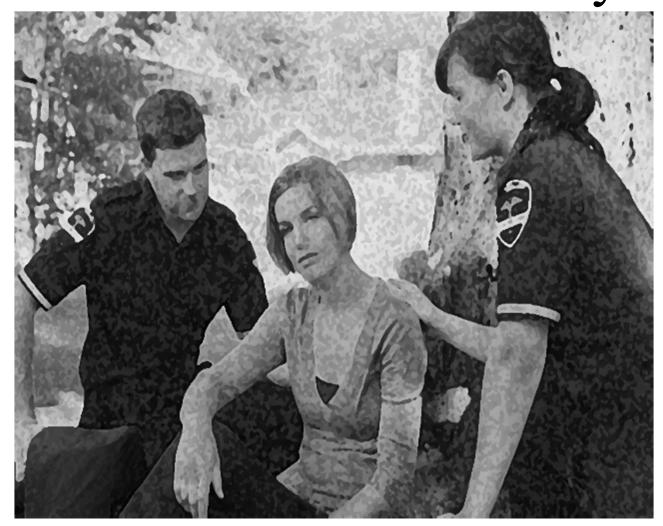


Sure, I think there are exciting things going on "online"!

E-campus Option



Current Degree: Core and a track in safety









Commonwealth of KY

Board of EMS ✓(NREMT state) *Paramedic **AEMT** (limited) **EMT EMR**

Decision by P.I. to focus upon "Paramedics"





Education level?
Percent of education EMS related?
Currently employed in EMS?
Military service?

continued



Survey Items

EMS job description? How much earning an online EMS degree would help career?



Needs Assessment

IRB approval obtained
Mailing list obtained
E-mails distributed



Population and Sample

2817 e-mail addresses
108 bounced back

2709 valid addresses

Response Rate 25%

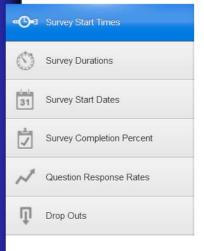


Limitation Recognized.





Qualtrics

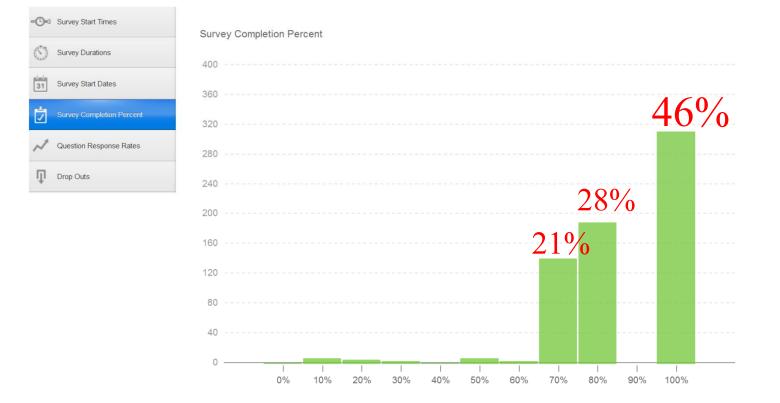


Survey Start Times

100 90 80 70 60 50 40 30 20 10 ---0 1 1 1 12:00am 3:00am 6:00am 9:00am 12:00pm 9:00pm 3:00pm 6:00pm

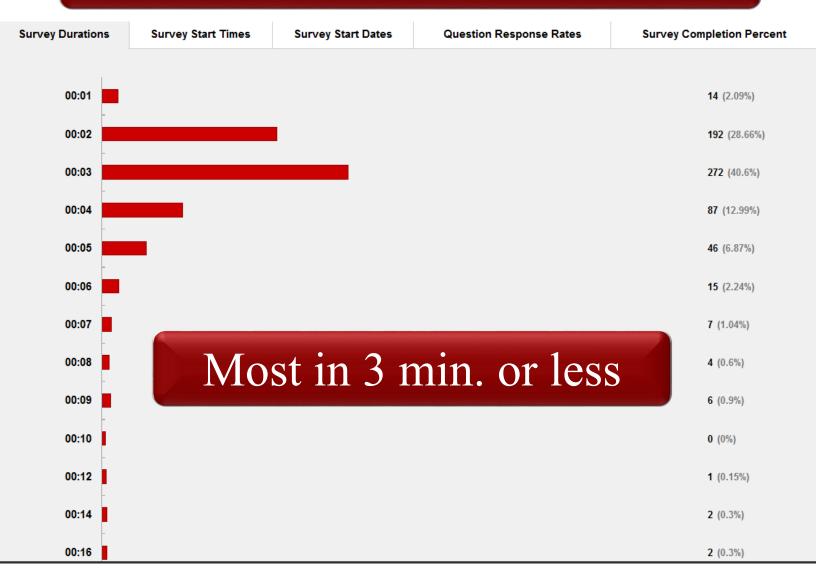
Most in mid-afternoon

Percent Completing 10-item Survey



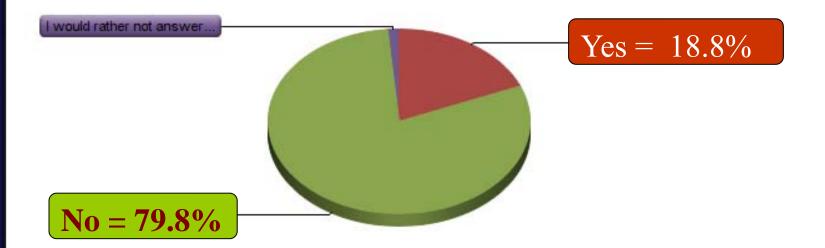
Not everyone needed to answer all questions.

Minutes to Complete Survey



Are you currently or have you served as a member of the United States Military?

Entire sample



Are you currently employed in an EMS job?

Entire sample



Are you currently employed in an EMS job?

Bachelor's degree ONLY



Degree-level of Paramedics Field

- **53%** = Some College
- 18% = AS degree
- 15% = BS degree
- 11% = High School Diploma or GED
- 2% = Master's degree
- 0% = Doctoral degree (including MD/DO)

Degree-level of Field Fire-Based

55% = Some College Higher
15% = AS degree Higher
23% = BS degree Higher
6% = High School Diploma or GED Lower
1% = Master's degree
0% = Doctoral degree (including MD/DO)

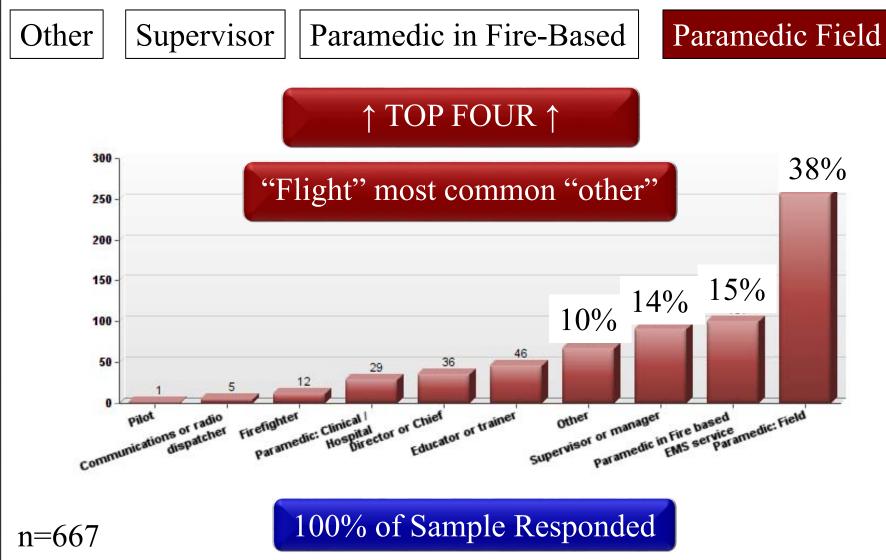
Degree-level of Supervisors

57% = Some College
12% = AS degree
18% = BS degree
9% = High School Diploma or GED
3% = Master's degree
0% = Doctoral degree (including MD/DO)

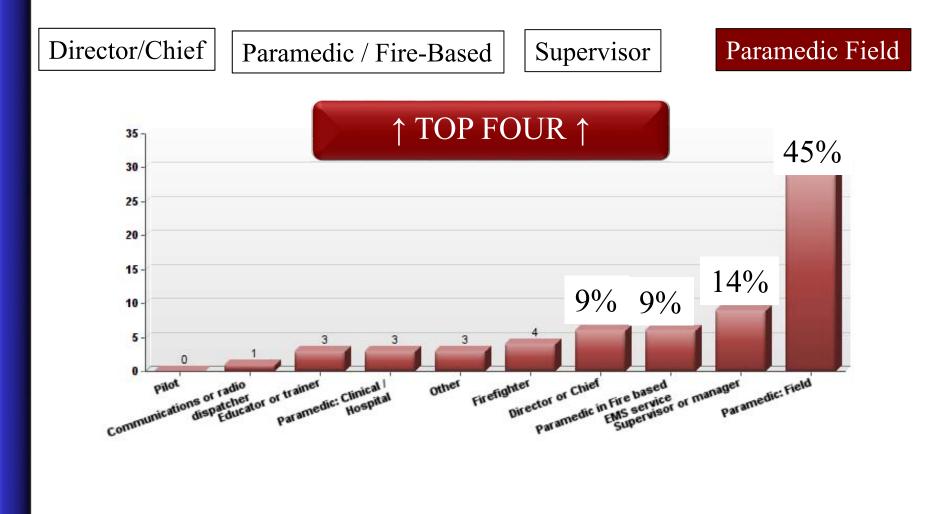
Education for Field Paramedics

53.3% = Some College
18.4% = AS degree
14.5% = BS degree
11.4% = High School Diploma or GED
2.4% = Master's degree
0% = Doctoral degree (including MD/DO)

All: Which best describes your primary job?

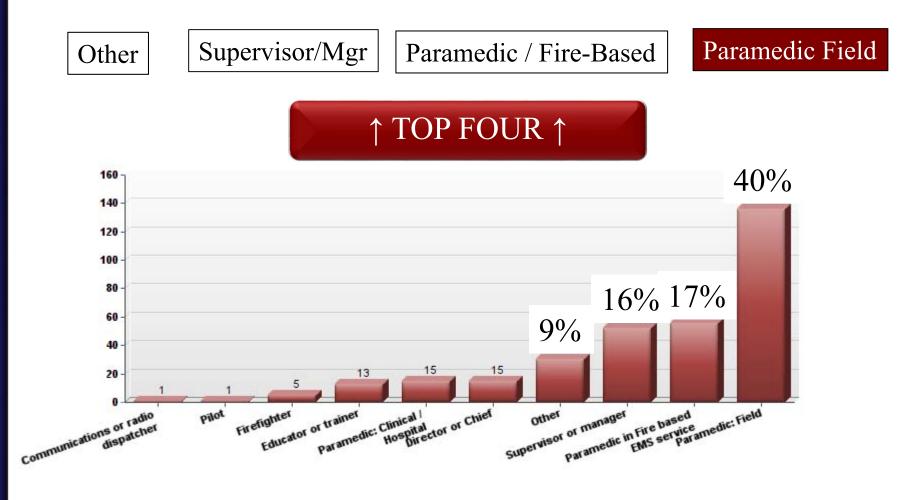


HS or GED: Which best describes your primary job?



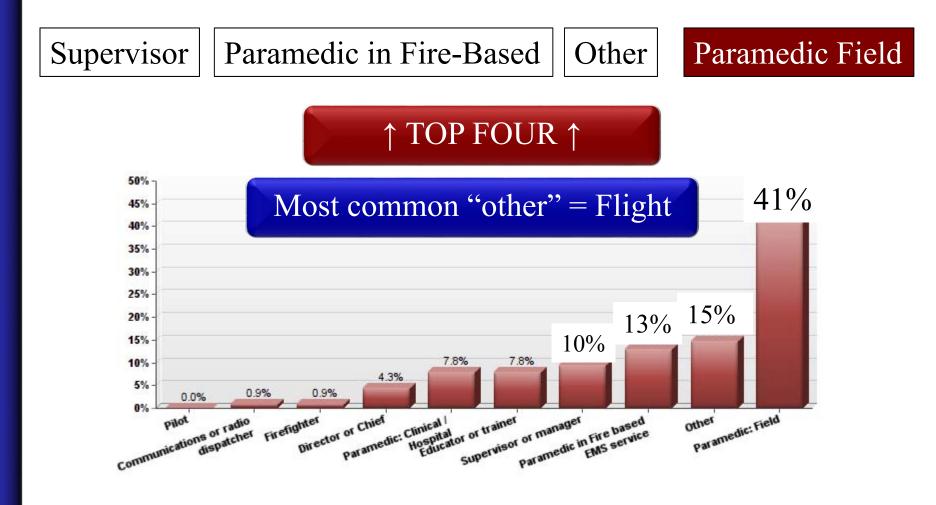
n=65 or 10%

Some College: Which best describes your primary job?



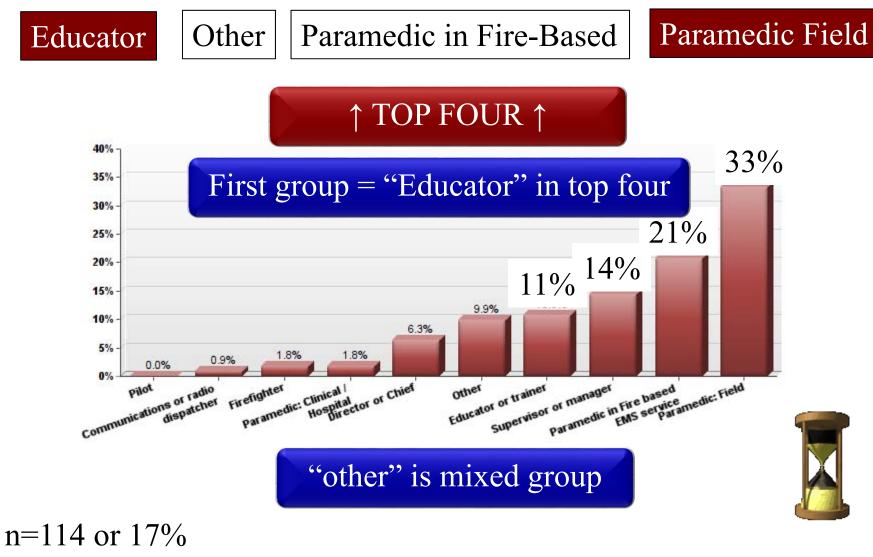
n=336 or 50%

AS Degree: Which best describes your primary job?



n=120 or 18%

BS Degree: Which best describes your primary job?



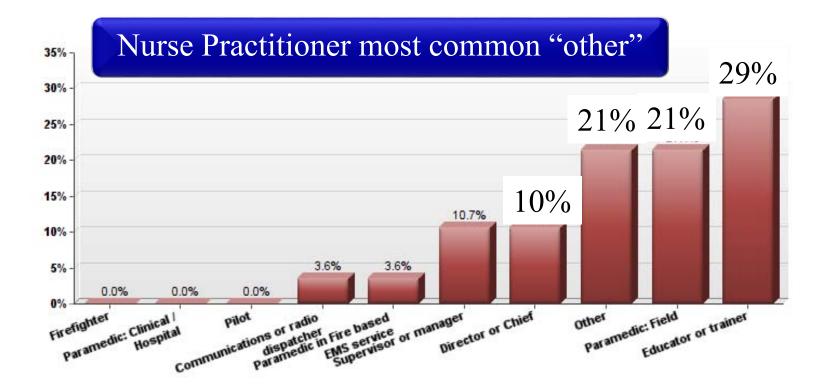
Master's degree jobs

Director

Other

Paramedic Field

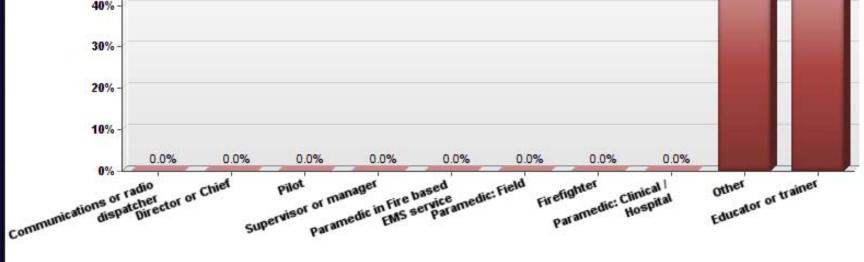
Educator



n=29 or 4%

Doctoral degree jobs



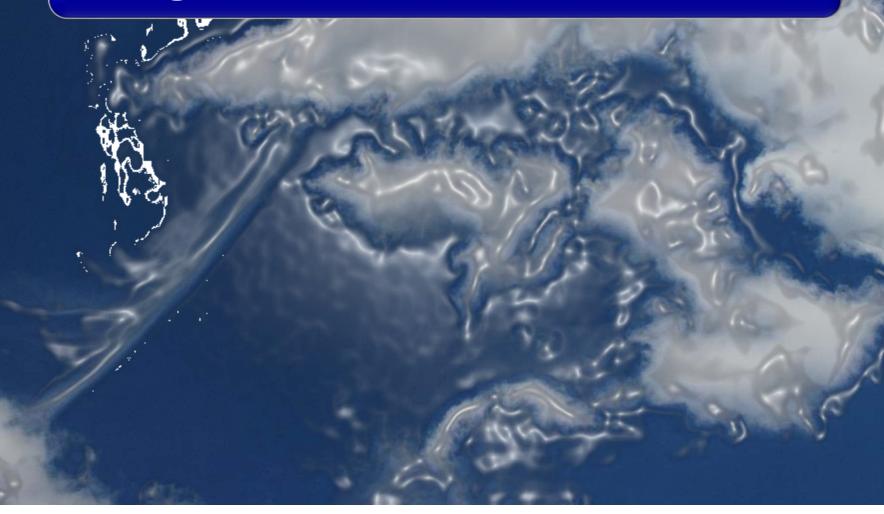


n=3 or .004%

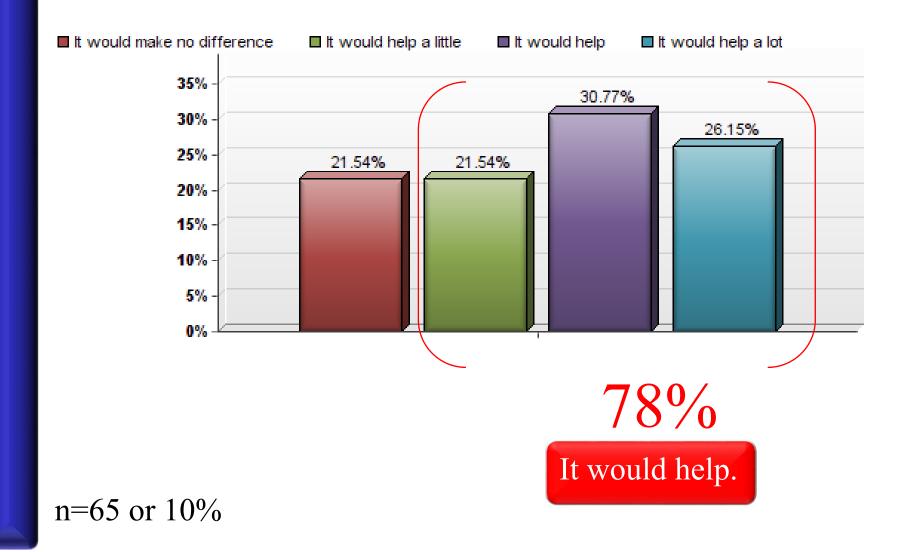
60%

50%

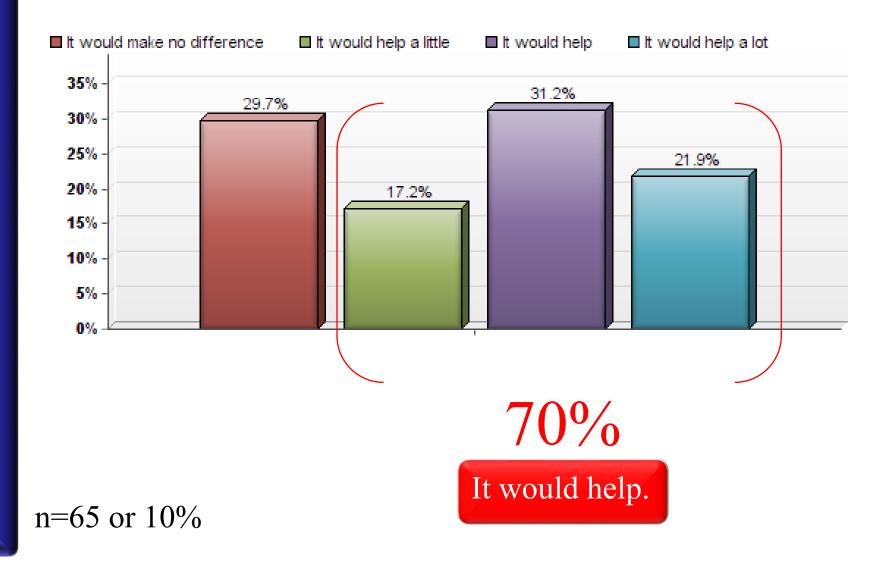
Degree and a Difference?

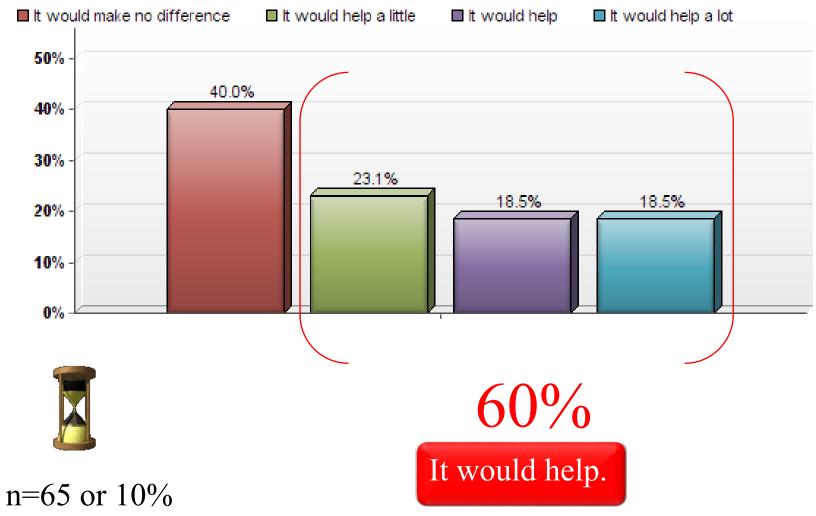


HS or GED How much would it help your career to complete a 2-year degree online in EMS?

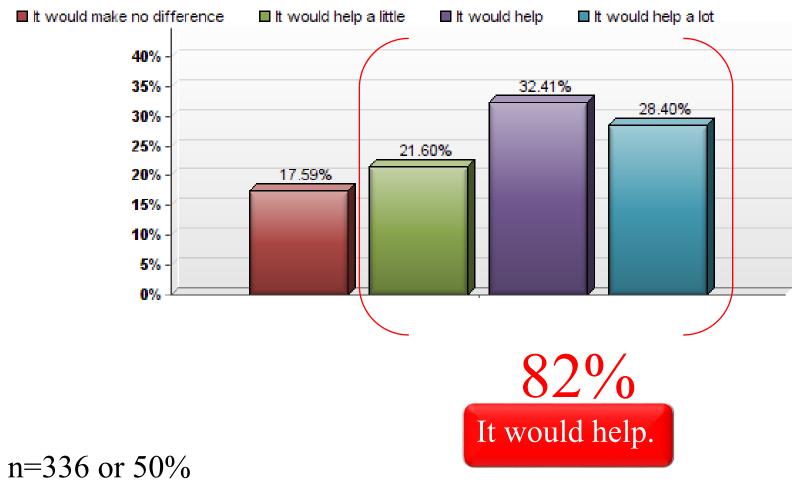


HS or GED How much would it help your career to complete a 4-year degree online in EMS?

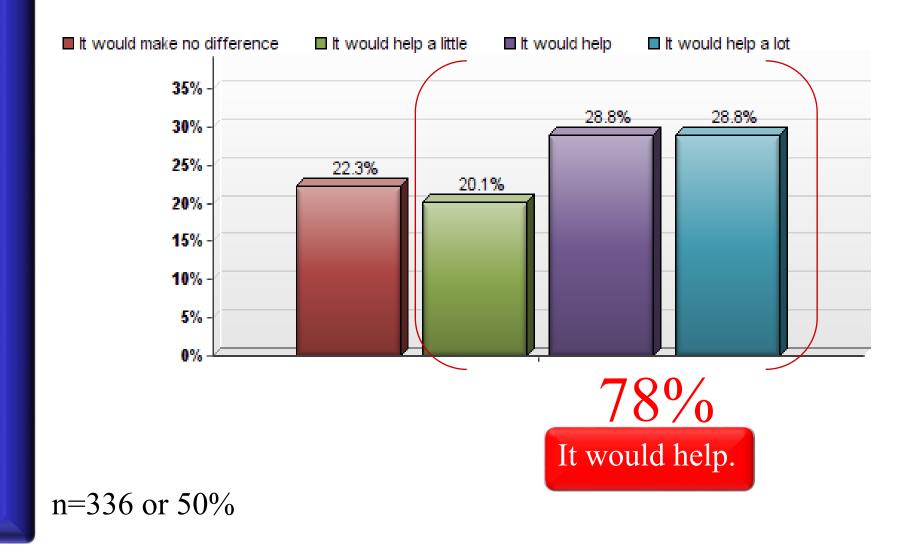




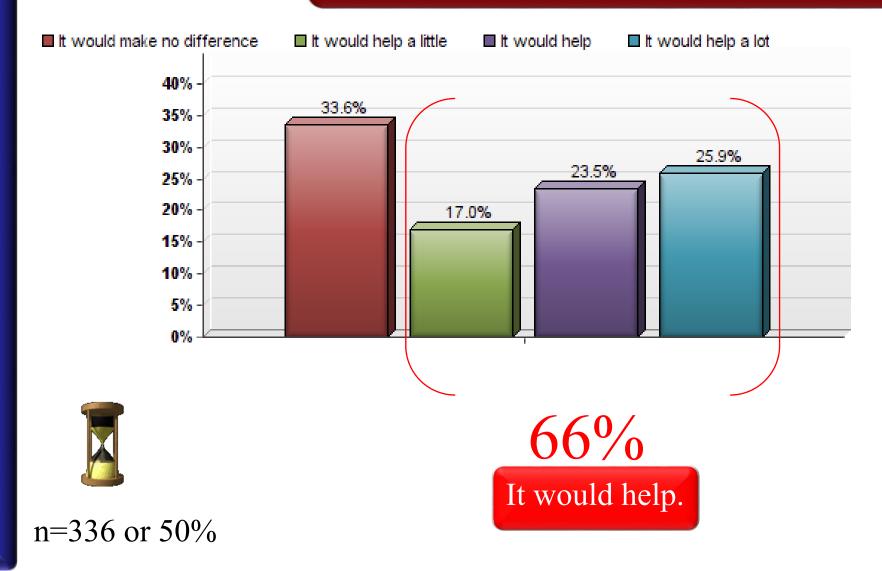
Some college How much would it help your career to complete a 2-year degree online in EMS?



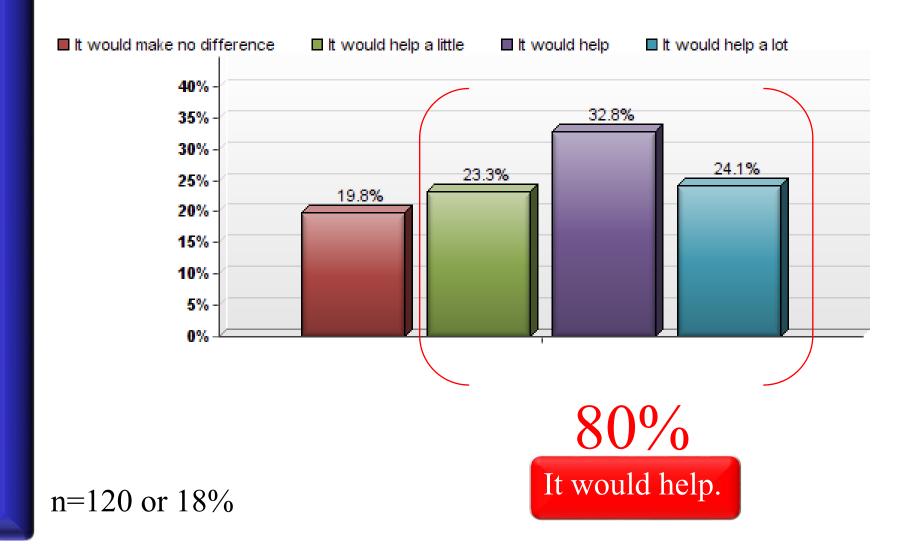
Some college How much would it help your career to complete a 4-year degree online in EMS?



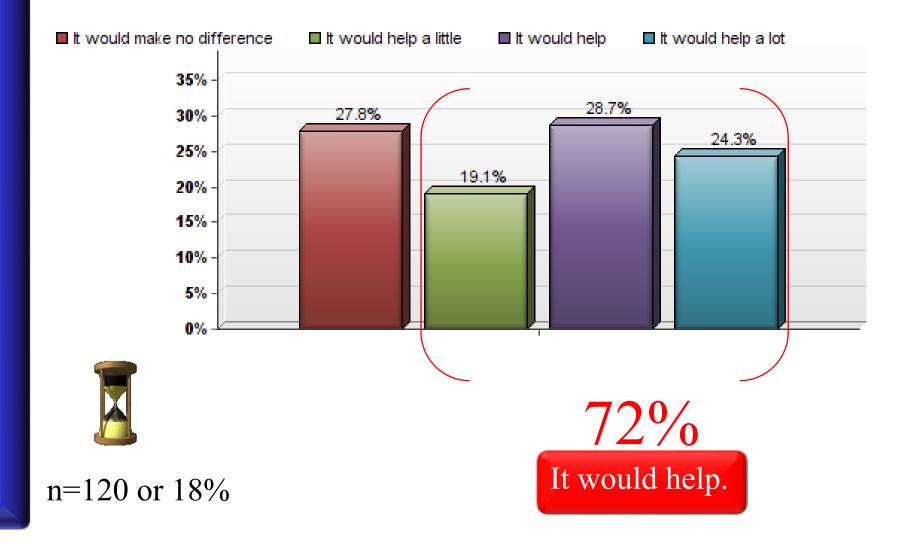
Some college



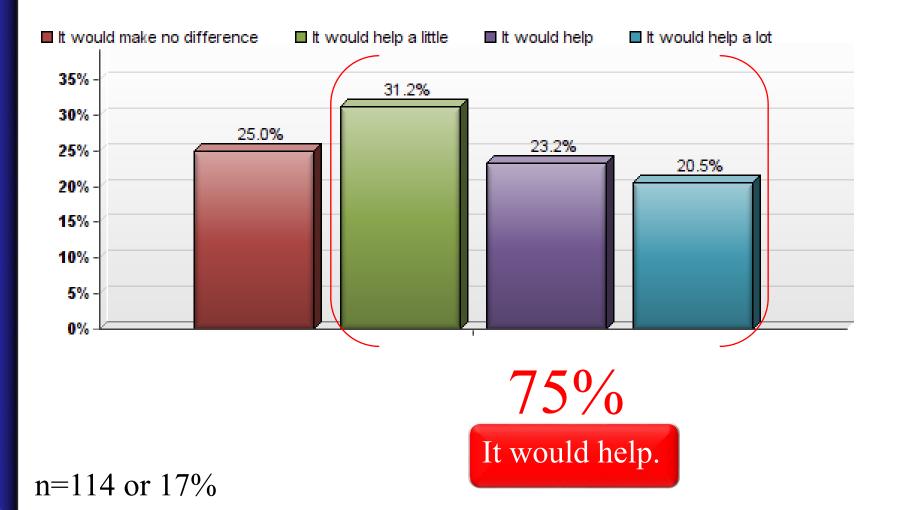
AS Degree



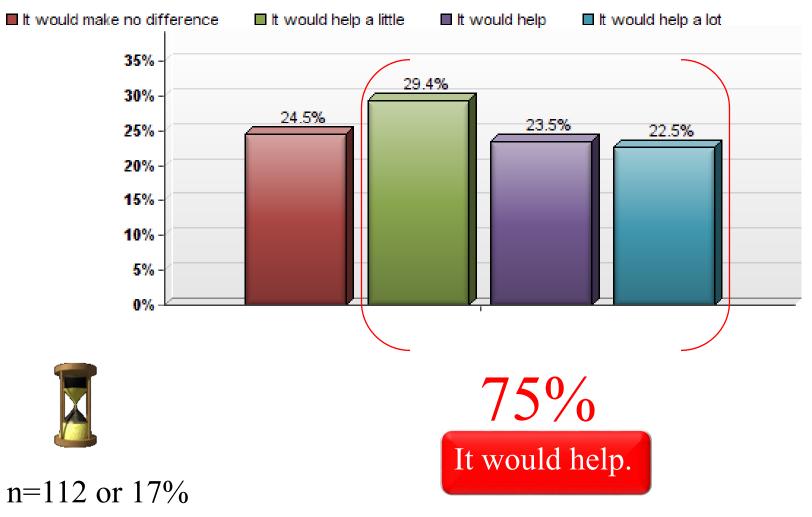
AS Degree

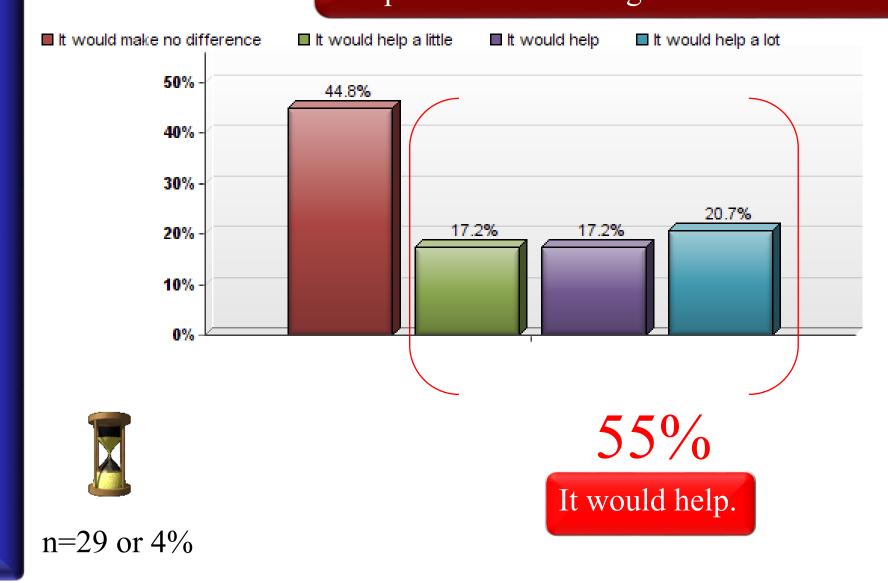


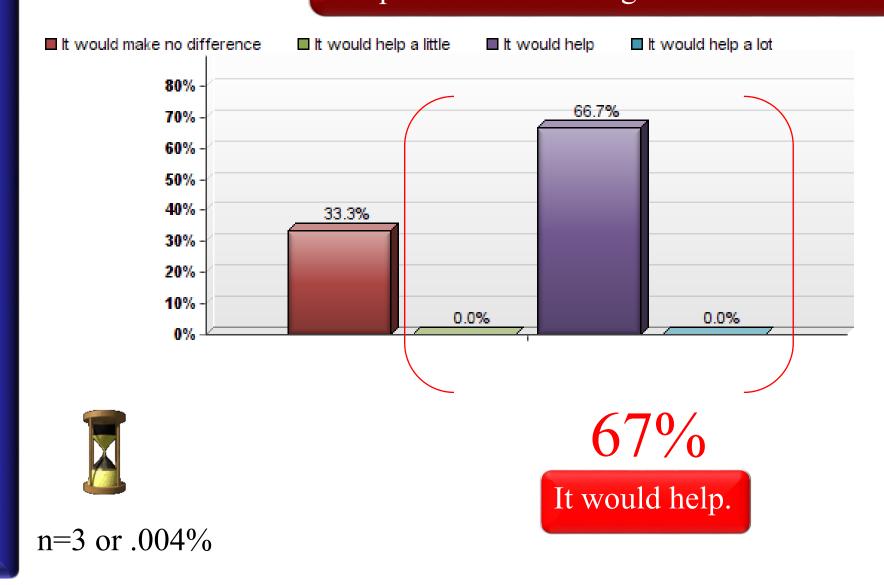
BS Degree



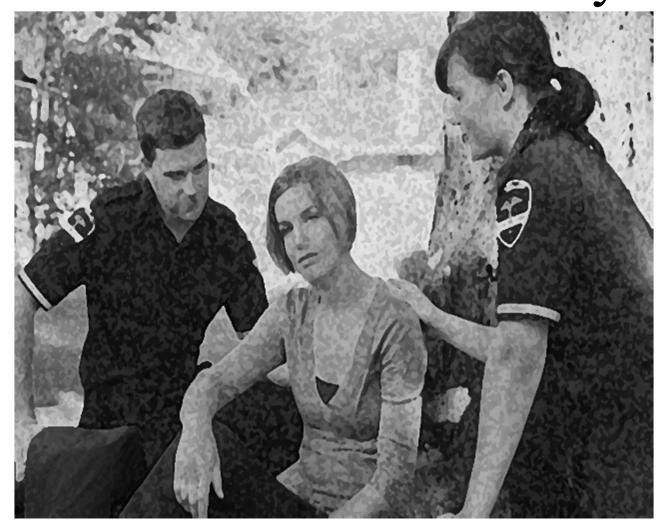
BS Degree WORKING in EMS





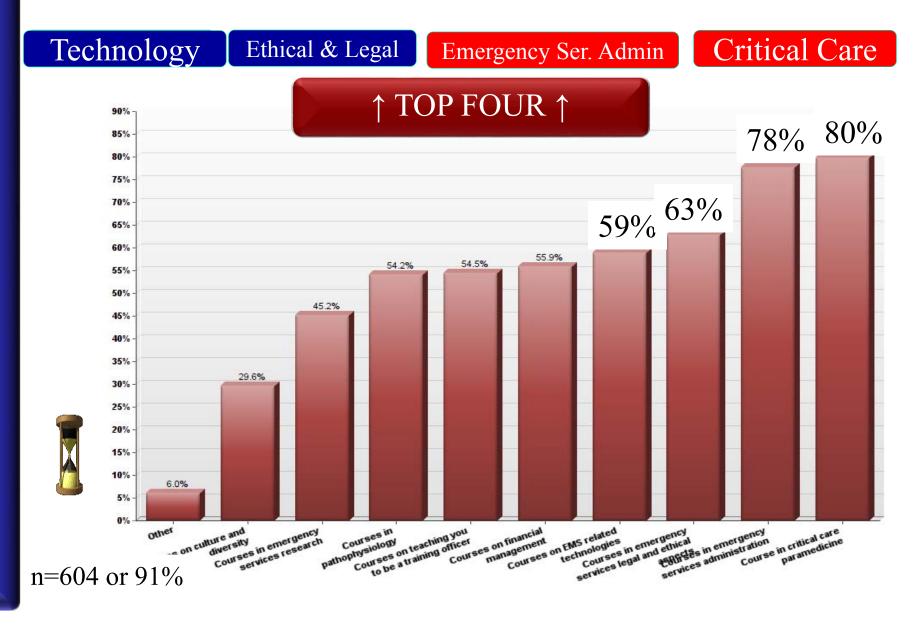


Current Degree: Core and a track in safety

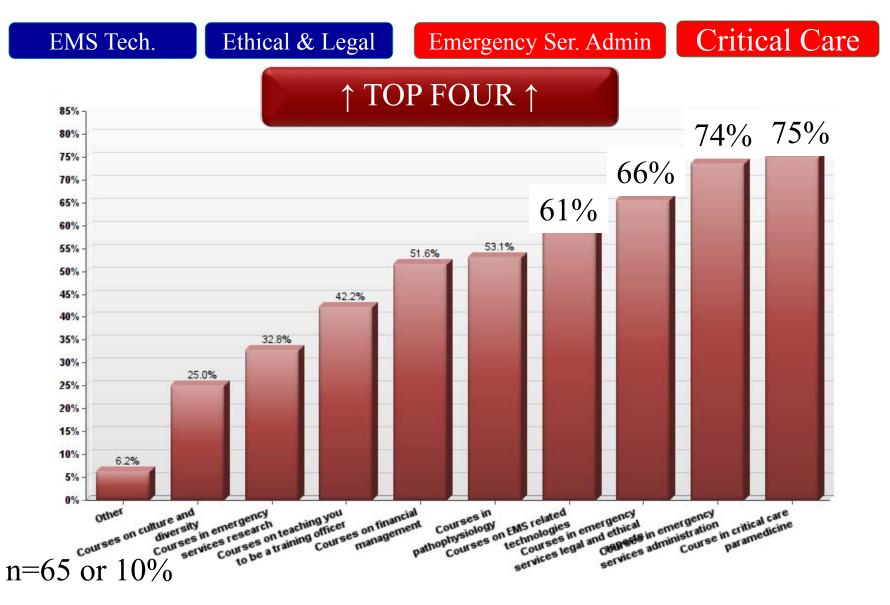




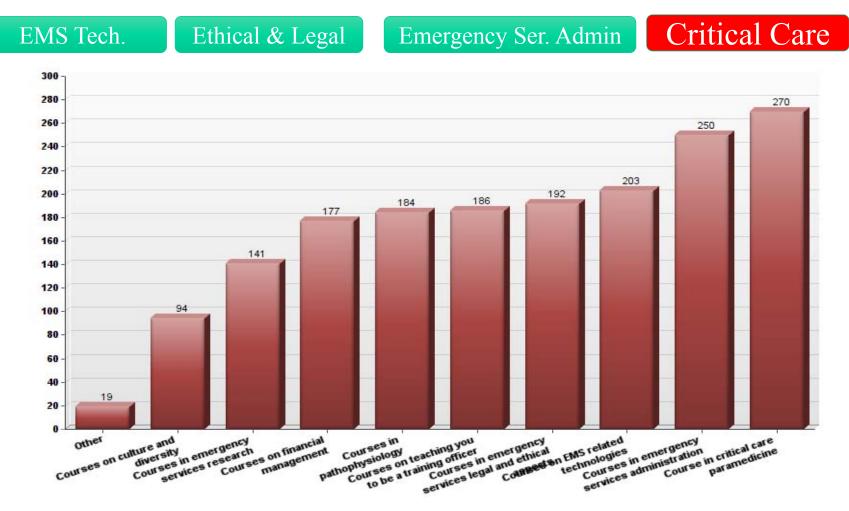
All (currently working): courses chosen



HS or GED courses chosen

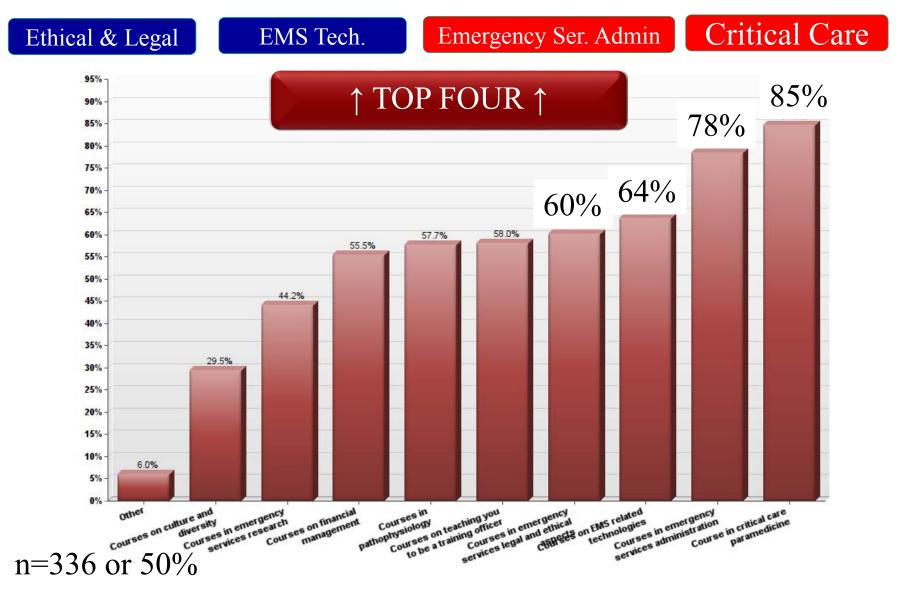


Some College courses chosen

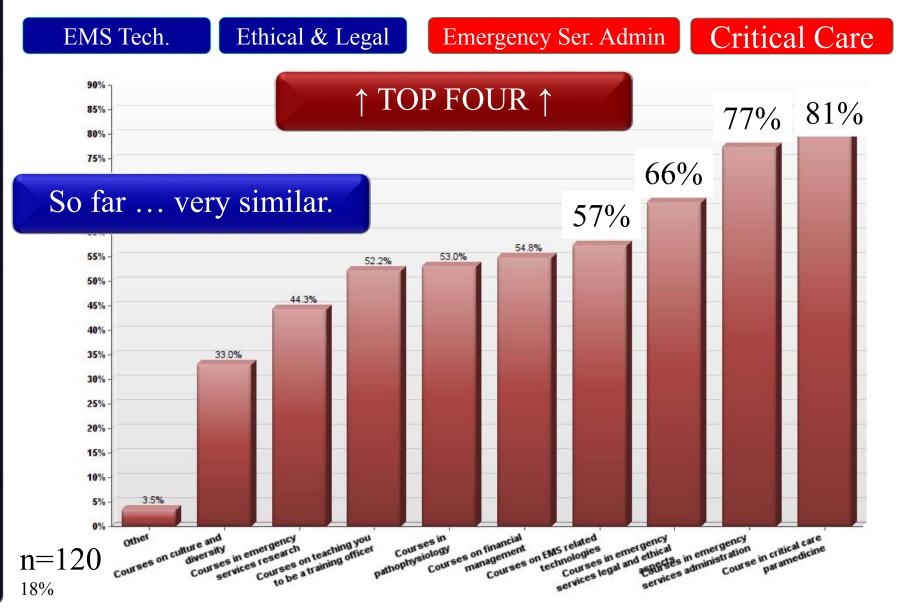


n=336 or 50%

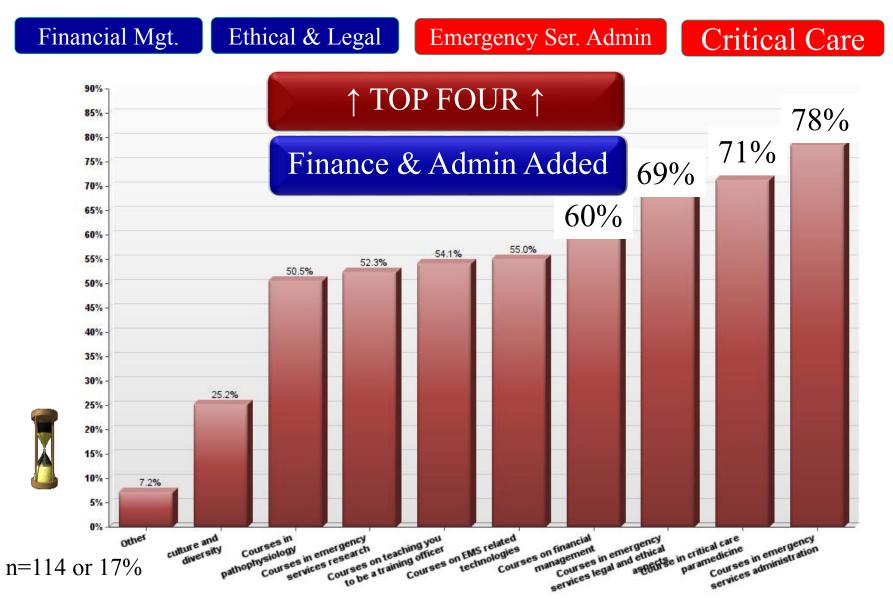
Some College courses chosen



AS Degree courses chosen



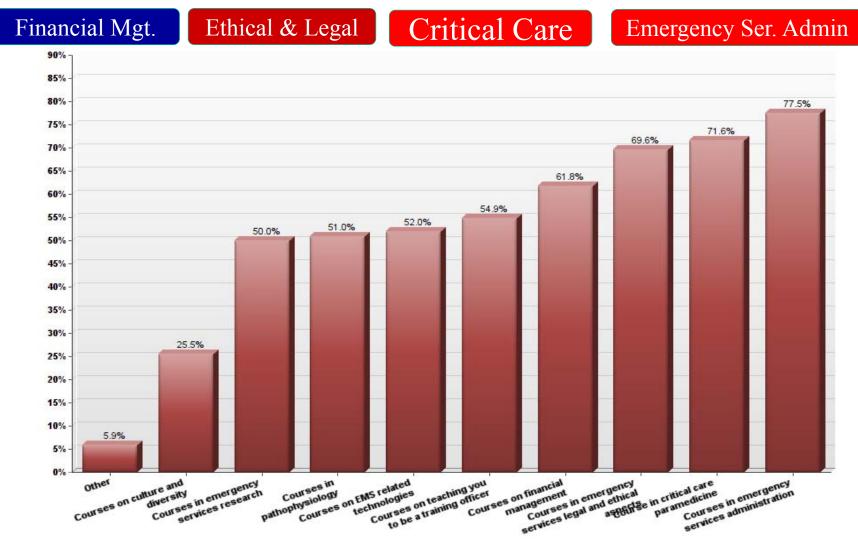
BS Degree courses chosen



BS Degree courses chosen

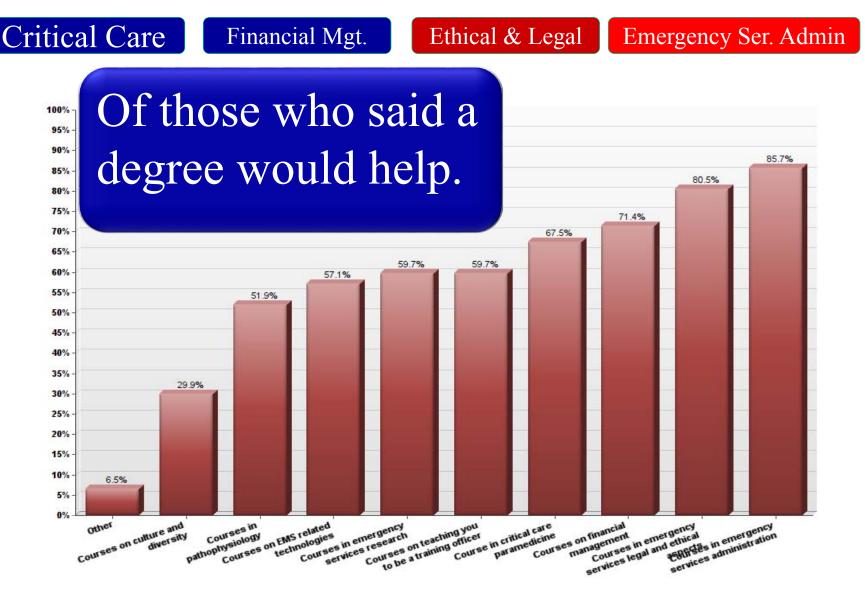


BS & Working courses chosen

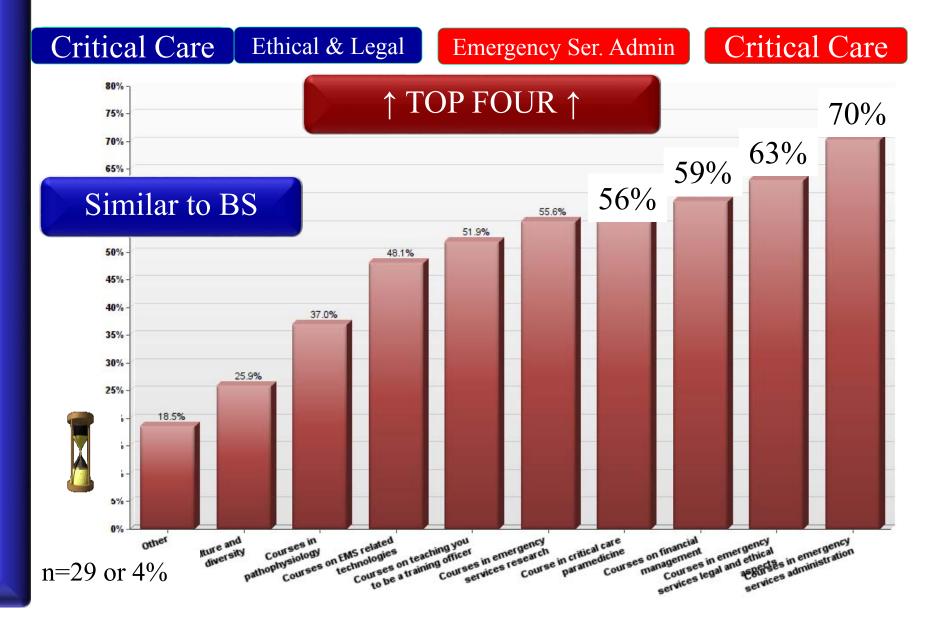


n=114 or 17%

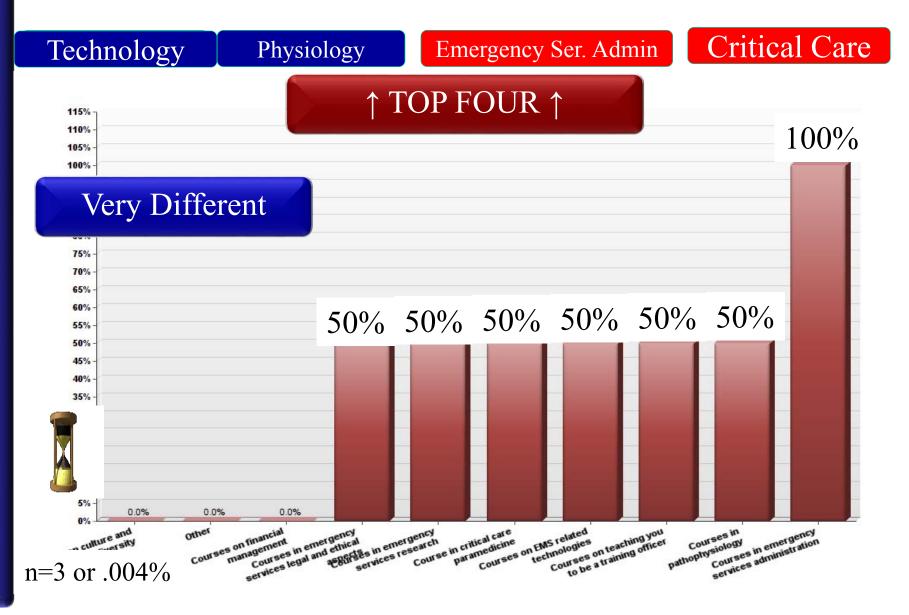
BS & Working courses chosen



Master's Degree courses chosen



Doctoral Degree courses chosen



Supervisors & Directors: courses chosen



Similar BS Foundations

Many have similar "tracks" = helpful

Set in accredited programs = helpful

Scholastic habits learned = helpful



Admin

Med. School



Courses to Choose?







68

Clearly Wanted

Critical Care

Emergency Services Administration

Ethics and Legal

Finances

Technology

59% - 78% BS students wanted these





Supervisors & Directors

Emergency Services Administration

Finances

Ethics and Legal

Critical Care



These are already leaders.

Challenges



Who will teach these courses? MD/DO? or Paramedics? Clinicals or Not?

Interfacility? Community Medicine?

Emergency Services Administration

Ethics and Legal

Finances

Technology



Delivery Strategy

Critical Care





High Fidelity?





Low Fidelity On-line

Images & Scenario Test





Critical Care

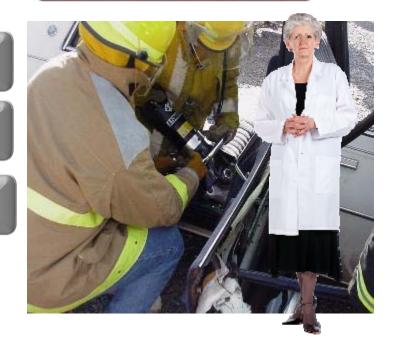
Emergency Services Administration

Credit for learning?

Ethics and Legal

Finances

Technology



Critical Care

Emergency Services Administration

Ethics and Legal

Finances

Technology

Legal Expertise?

Time consuming assessments? Generational Ethics?



Critical Care

Emergency Services Administration

Ethics and Legal

Finances

Technology

Cost of delivery online?

Educator qualifications?

Critical Care

Emergency Services Administration

Ethics and Legal

Finances

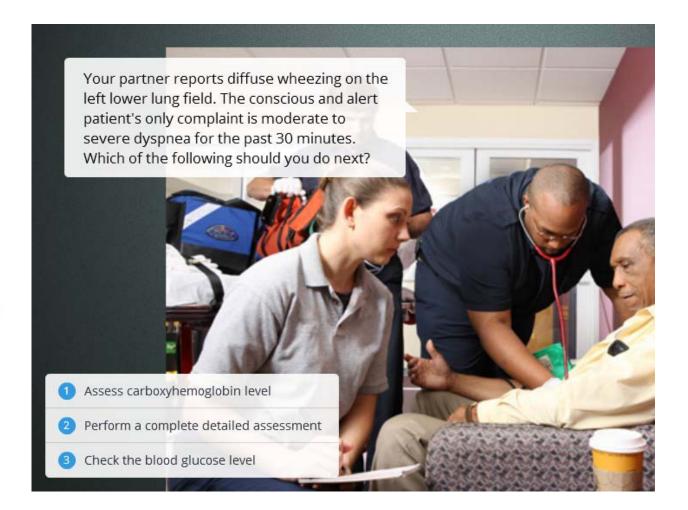
Technology

Needed to create/deliver

Security of high stakes?



Click the Simulation button to edit this object





Expected Findings!

HS & GED, Some College AS & BS Degree Holders

Want Online Degree. It





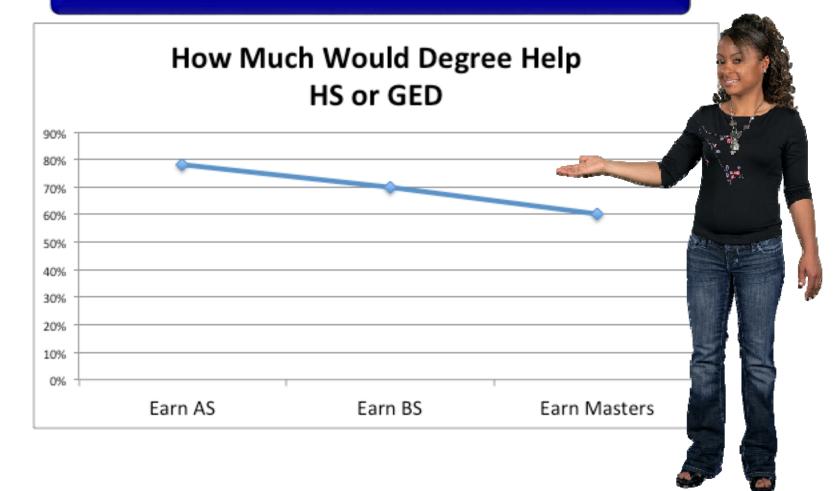
79

Programs Must

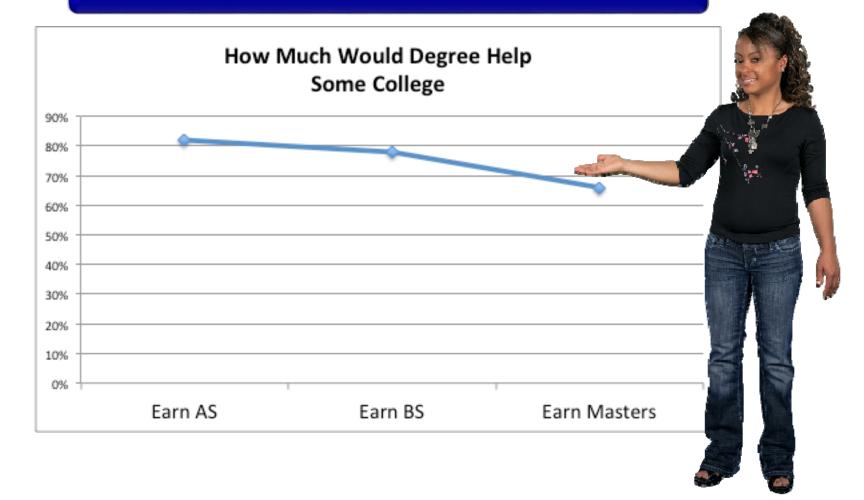
Be cultural competent



Perceived Usefulness Declines – All Levels

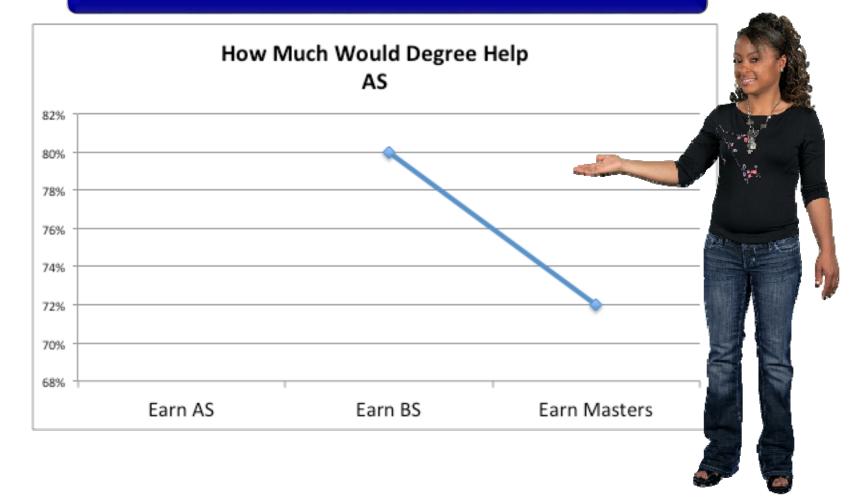


Perceived Usefulness Declines – All Levels



82

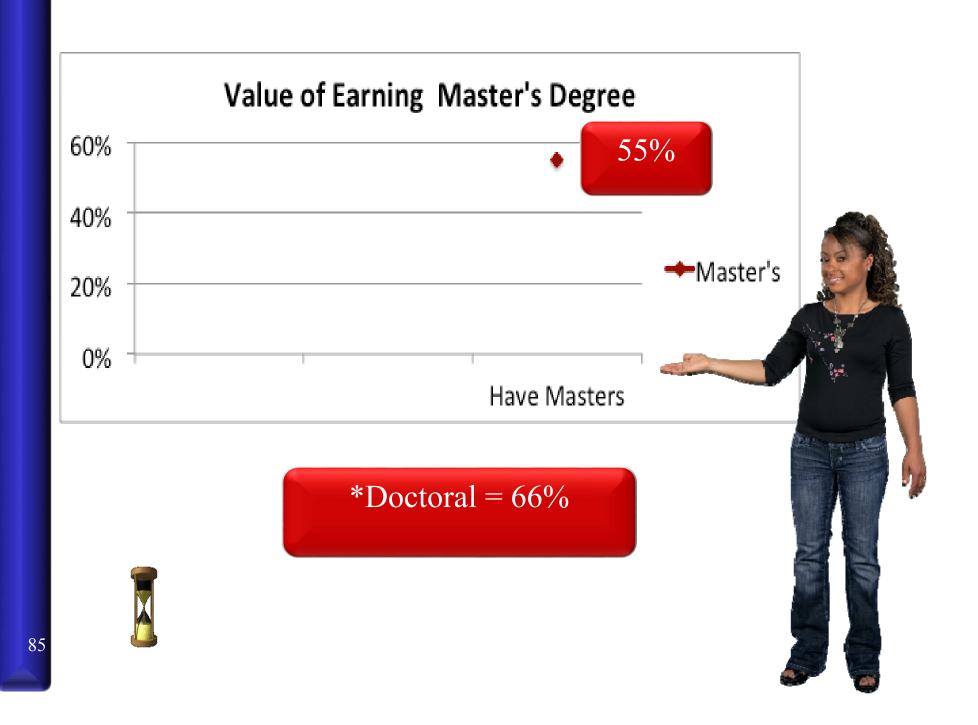
Perceived Usefulness Declines – All Levels

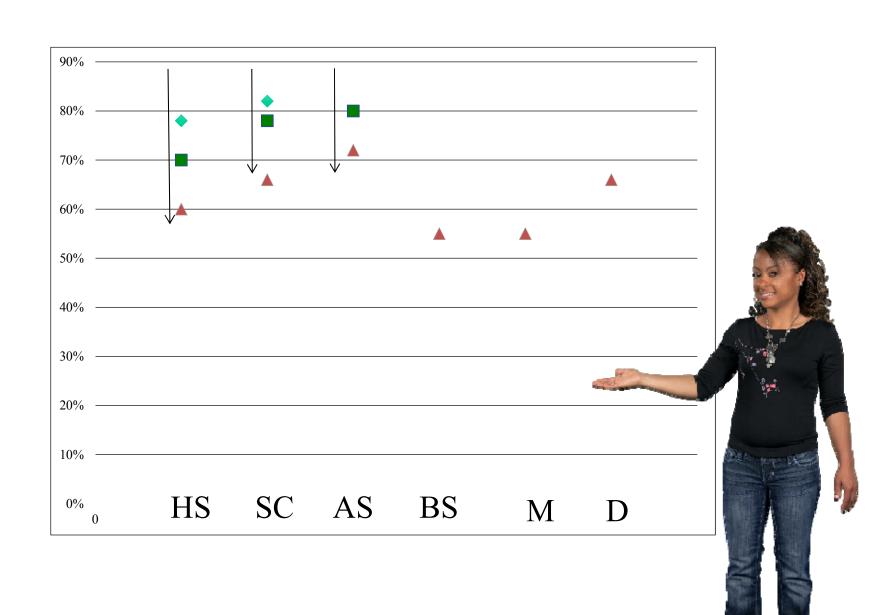


Master's and Doctoral Degree Holders

Still Want EMS Degree







Desire for degree is present among all levels of education! Desire drops slightly as level of degree increases relative to student's current standing.

Remained above 50% "useful"

True for all levels.

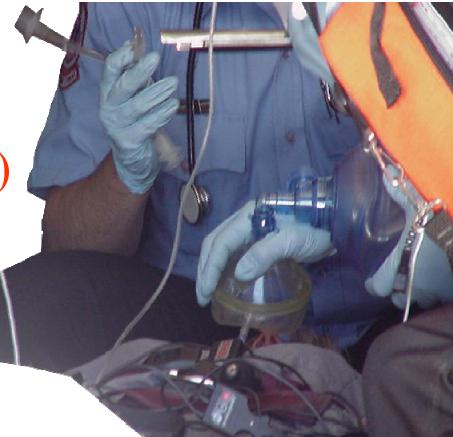


Some College" is largest single population ...

***** (97% work in EMS)

Work makes online attractive.

Online BS needs to continue.



Fire-based has more BS degrees

Course work and theses will require "fire faculty"



Online BS needs to continue.

 Most "non-military"
 Bringing in military will be helpful
 REPLICA compact

Online BS needs to continue.



 Most course offerings are agreed upon.
 Some courses might need to be chosen despite low standing in survey

 e.g., diversity & culture; educator/training officer

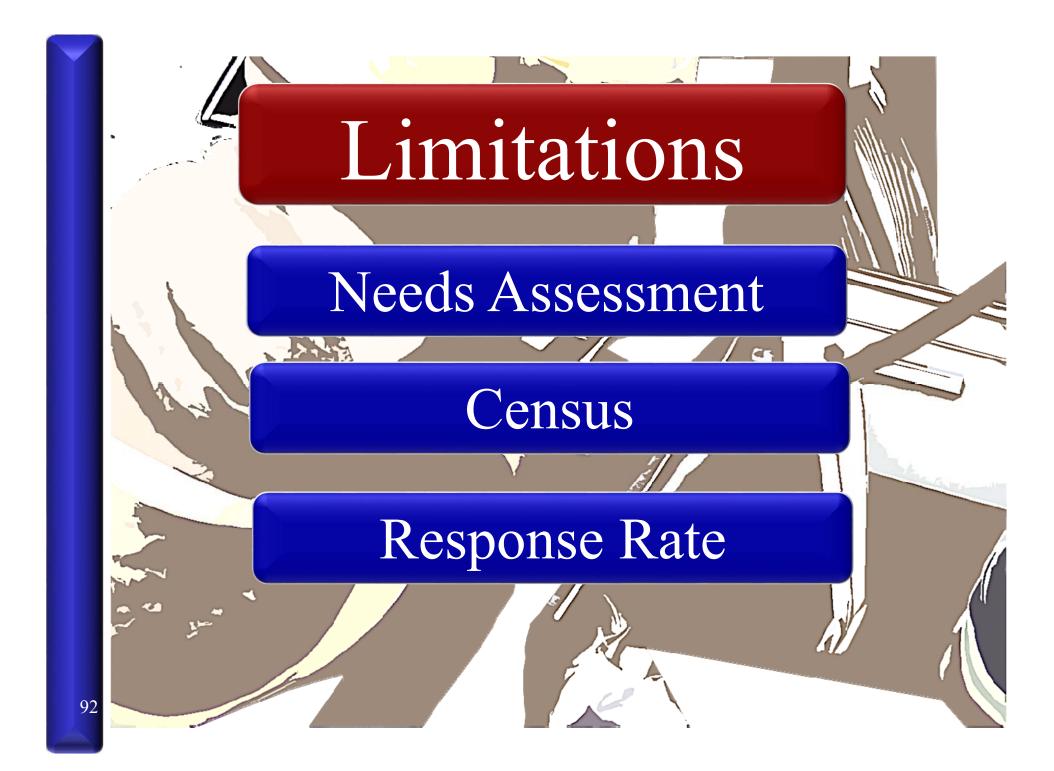
Critical Care

EMS Administration

Ethics and Legal

Finances







Programs will need strong(er) physician support.

Support from services/agencies

Critical Care EMS Administration Ethics and Legal

Finances



Most course offerings are agreed upon. Some Some need to be chosen despi in survey ✓ e.g.

Faculty preparation *could* be an issue.
 ("EMS finance taught by finance department?")
 Industry support (e.g., <u>salaries</u>)





CAPEMS should agree upon curriculum. Marketing to military. Technology



Next steps ✓ Other programs should assess customers as well. Minimum standards implemented **Critical Care Cultural Competency** Questions? **EMS** Administration Ethics and Legal Finances

Thank you!

Sandy Hunter, PhD, NRP

Eastern Kentucky University sandy.hunter@eku.edu 859 622 1030

Thanks: College of Justice and Safety & Graduate Assistant – Zack Charest