

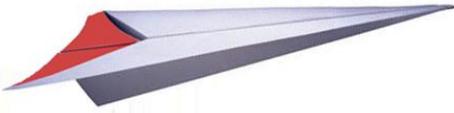


# Aviation Accreditation and the Importance of Structured Academic Education

## NGAP Global Summit

Dr. Gary Northam, President,  
Aviation Accreditation Board International

November 28, 2017



# THE AVIATION MARKET TODAY & TOMORROW



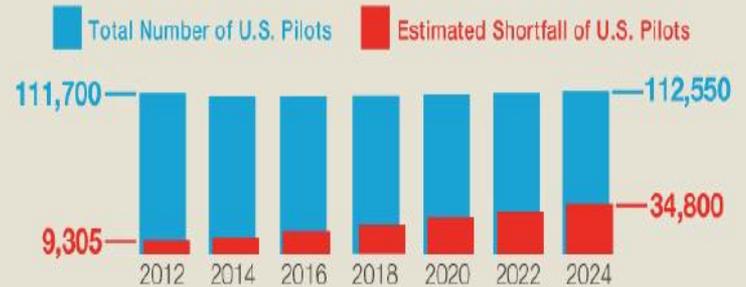
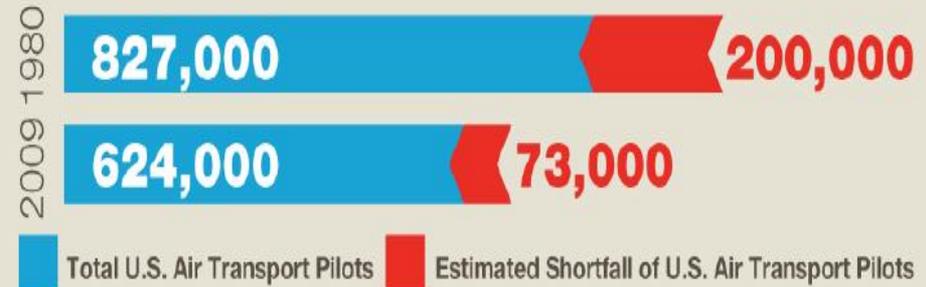
## TOTAL PILOT CERTIFICATES

ISSUED BY THE FAA



That's an overall **40%** decrease in FAA certificates awarded since 1990!

## DECLINING NUMBERS





# BOTTOM LINE: THE WORLD NEEDS PILOTS



**15%** of the North American fleet is parked

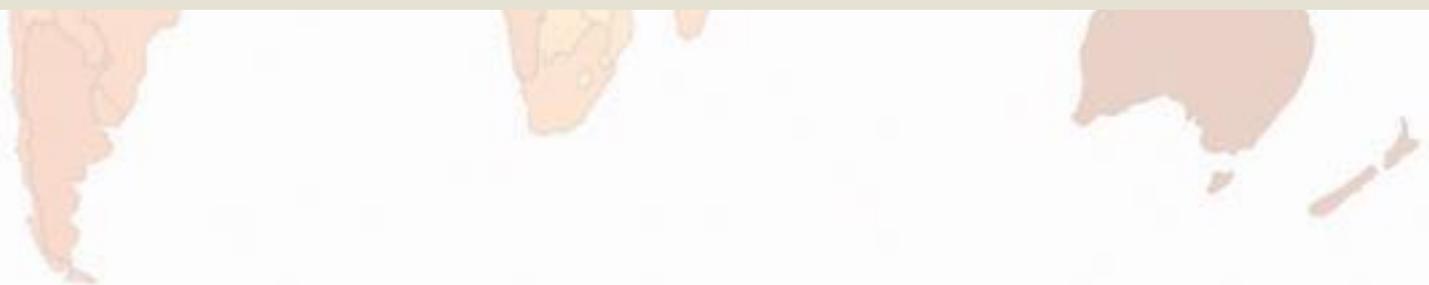


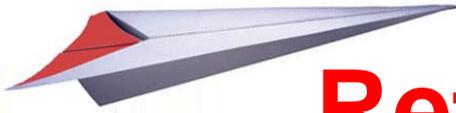
**11.6%** of the global fleet is parked



**AND IT'S ONLY GOING TO GET WORSE!**

U.S. Commercial Air Carrier Passenger Boardings





# Return on Investment

## FLYING HIGH WITH A PILOT'S ROI

HOW FOUR CAREERS COMPARE

If you calculate potential career earnings compared to the cost of education, the output is return on investment (ROI).

WE COMPARE FOUR BIG CAREERS:

$$ROI = \frac{((ANNUAL SALARY \times YEARS IN CAREER) - EDUCATION COSTS)}{EDUCATION COSTS}$$

  
TEACHER Undergrad Cost  
**\$87,032**



  
PILOT Undergrad Cost **\$87,032** + Speciality Cost **\$51,900**



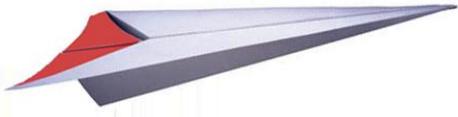
  
LAWYER Undergrad Cost **\$87,032** + Speciality Cost **\$55,416**



  
DOCTOR Undergrad Cost **\$87,032** + Speciality Cost **\$232,564**

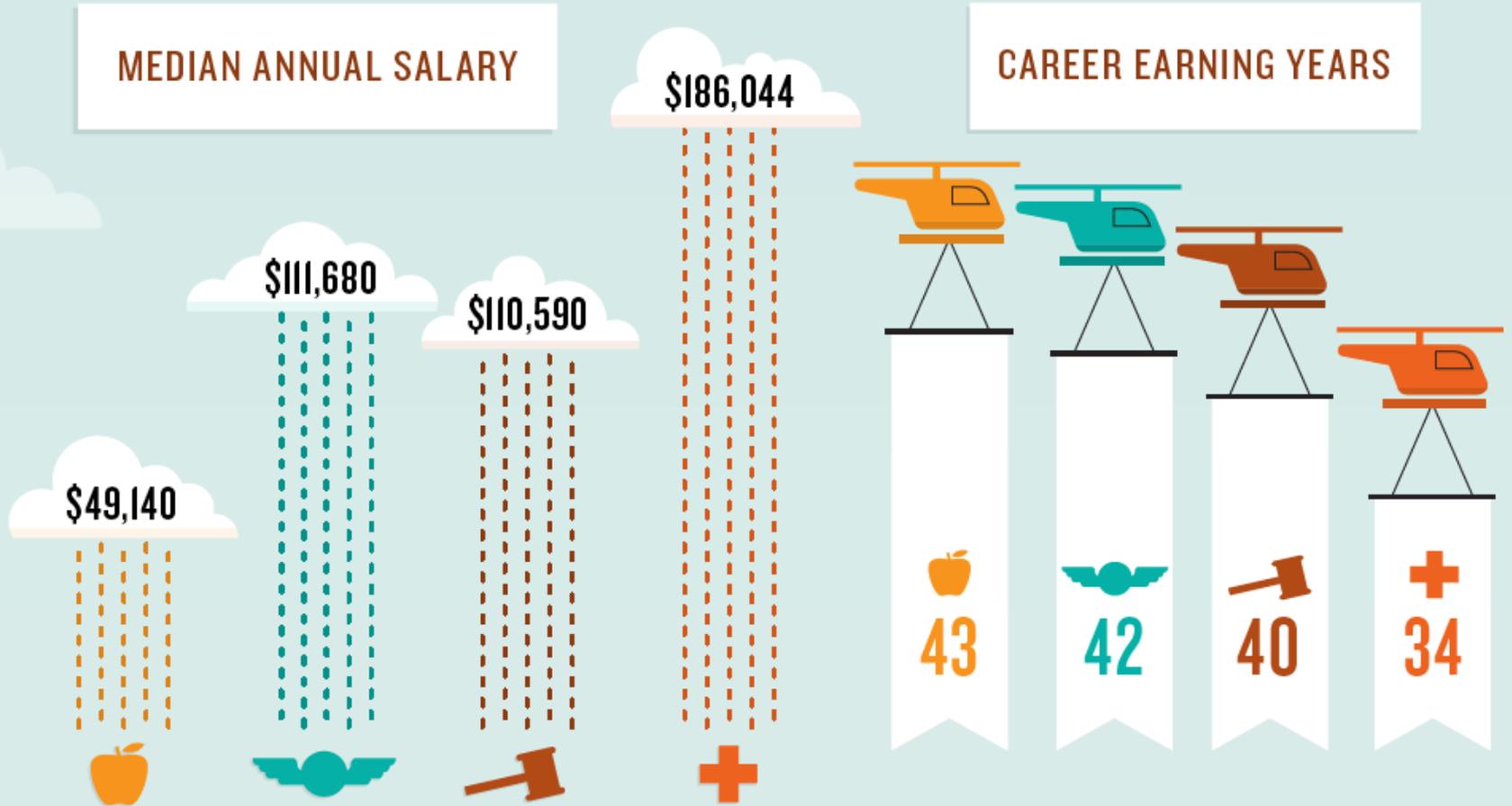


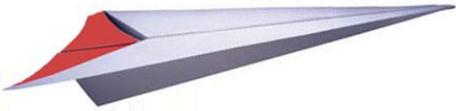
TOTAL COST TO OBTAIN  
REQUIRED EDUCATION



## MEDIAN ANNUAL SALARY

## CAREER EARNING YEARS





# Pilot Source Study

## How we know this works

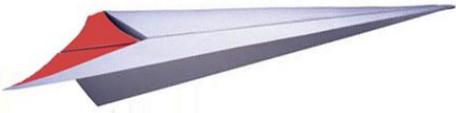
The major airlines in the U.S. considered it important enough to create a fund to support this research to get the answers

You can read about this research, visit: [pilotsourcestudy.org](http://pilotsourcestudy.org)

- 22 Regional Part 121 Airlines
- 7,073 pilots hired after August 1, 2013

One example:

- Fewest non-completions for graduates of AABI-accredited programs - structure & common standards



Plugging the numbers above into the ROI equation, we can determine that  
**FOR EVERY \$1 INVESTED IN EDUCATION YOU WOULD MAKE...**



**Brown Aviation Lease**  
*Innovation from acquisition through disposition*

Sources:  
Bureau of Labor Statistics  
Embry-Riddle Aeronautical University  
Association of American Medical Colleges  
American Bar Association



# Strategies for Completing the Task

- Use local agencies and associations to identify prospective students and show them that aviation pilot training provides a good return on investment
- Establish a group of aviation professionals provided industry feedback for curriculum, equipment, etc
- Create a structured curriculum of study that captivates students and prepares them for further study in the technical areas of interest
- Expect that the candidates will be educated for the future of the aviation industry — accredited college degree programs