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Our Vision: A Civil Helicopter Community With Zero Accidents



# Training... A Safety Vaccination






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## Introduction

- **Why a vaccination?**
- **What is a safety culture?**
- **Can training be the safety culture vaccination?**
- **Questions and Discussion**





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# Why Vaccination?





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## Childhood Diseases

- **Polio**
- **Measles**
- **Mumps**
- **Rubella**





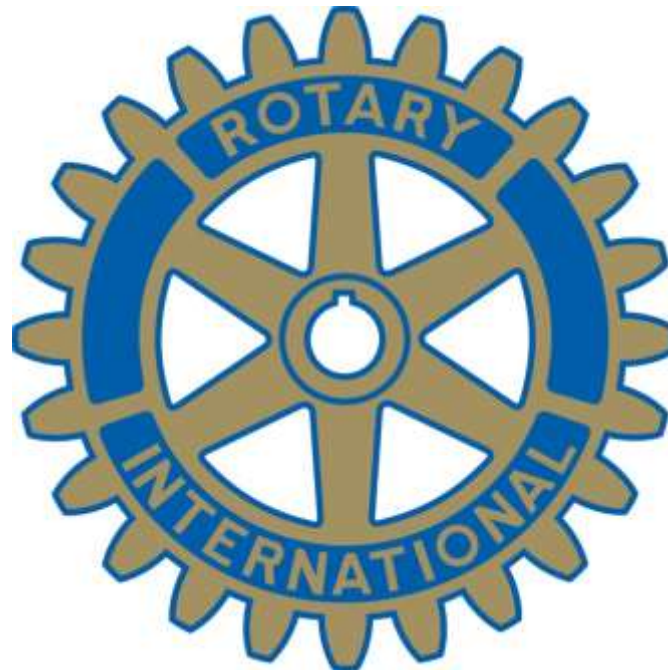
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## Polio





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## Polio





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## MMR Vaccine

**Vaccination to fight three childhood diseases (measles, mumps, and rubella). Since the 1970s, it has virtually wiped out these very common childhood diseases in the US.**







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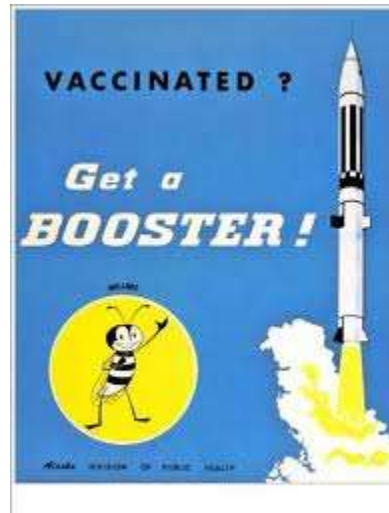


## Here is how it works....



Vaccinate the  
new and young

Provide boosters  
at regular  
intervals



Never been  
vaccinated?  
Never too old!



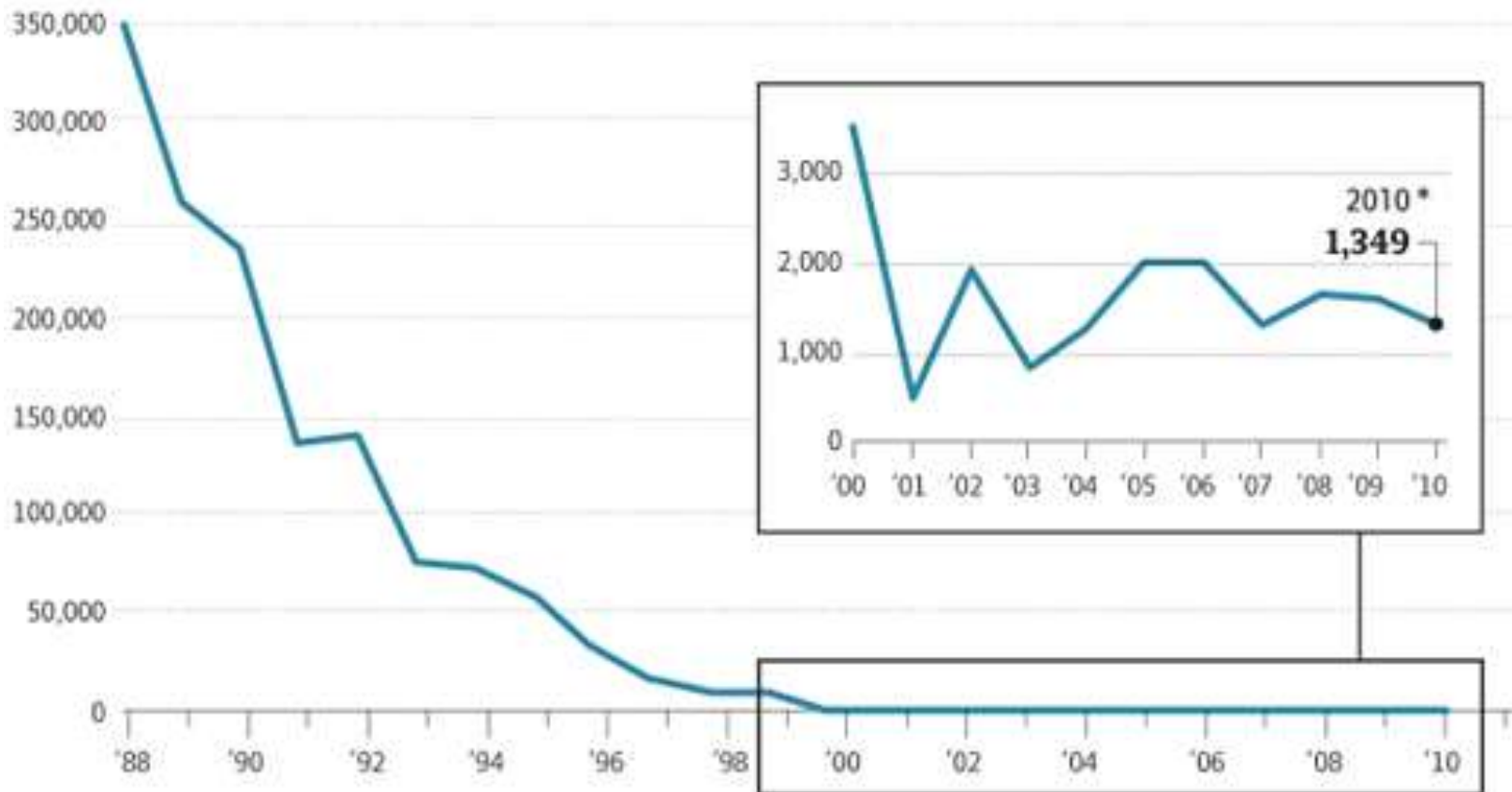
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## ESTIMATED NUMBER OF POLIO CASES PER YEAR



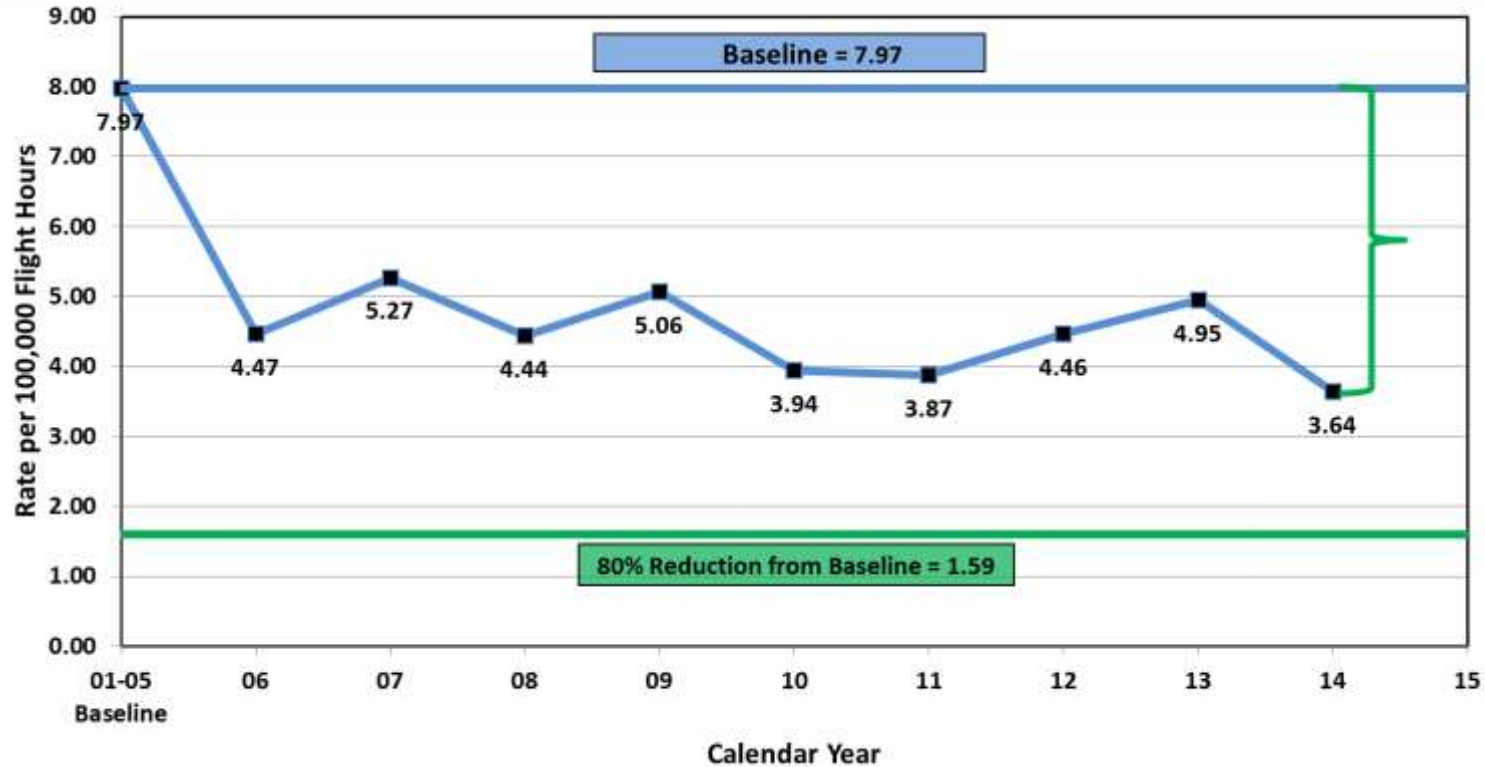
\* The 2010 total for Congo includes cases with inadequate specimens that have been exceptionally classified as confirmed polio based on their association with the WPVT outbreak.

\*\*As of Oct. 18, 2011



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**Notes:**

- Source of flight hours for rate calculations:
  - FAA's General Aviation and Part 135 Activity Survey used for: 2001-05 baseline, 2006-10, and 2012-13.
  - FAA's FY 2014-2034 Aerospace Forecast used for: 2011 and 2014.
- Rate for 2013 changed from 4.20 to 4.95 in December 2014 after release of FAA's 2013 General Aviation and Part 135 Activity Survey with more accurate 2013 flight hours.



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## **“Safety Vaccination?”**

**Let’s use the MMR vaccine as an example. The three diseases we need to fight:**

**Poor Safety Culture  
Lack of a Plan  
Lack of Participation**





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## What is a Safety Culture?





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**What does this mean?**



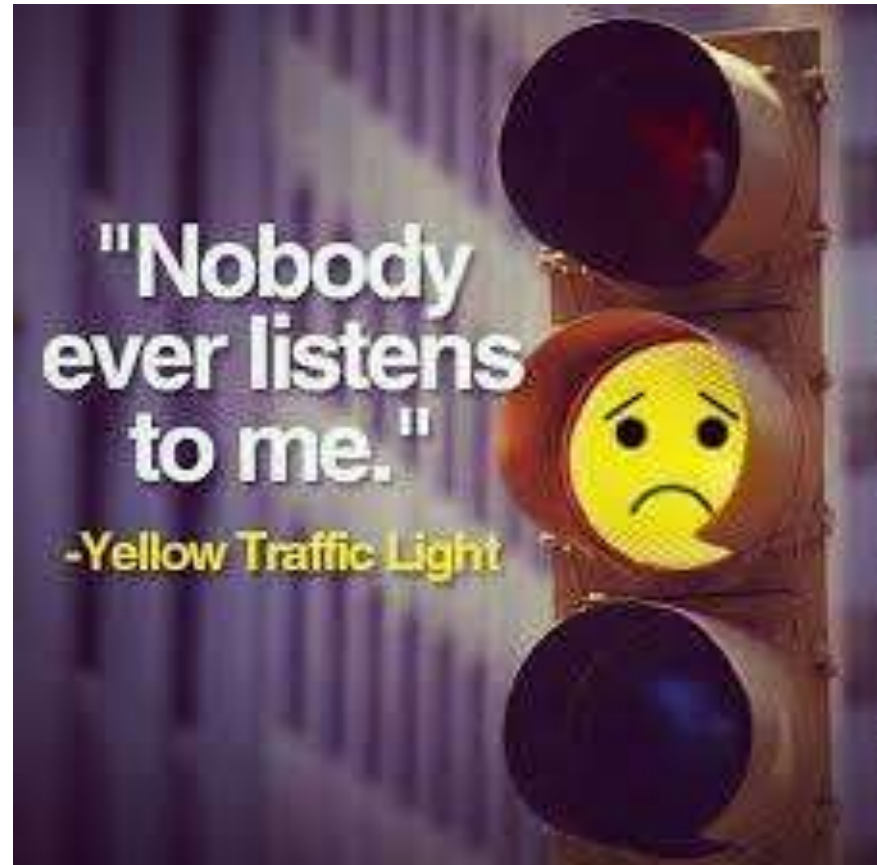


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# Stop!





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## **Hazardous Attitude.....**

Anti-Authority - "Don't tell me what to do."

Impulsive - "Do something--quickly."

Invulnerability - "It won't happen to me."

Macho - "I can do this,"

Resignation - "What's the use?"

## **Safety Attitude.....**

Follow the safety rules. They are usually right.

Not so fast. Think first.

It could happen to me.

Taking chances and cutting corners is foolish.

I'm not helpless. I can make a difference.







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**Does everyone have a plan?**

**How about an SMS?  
(Safety Management System)**





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## What is an SMS?

- A structured means of safety risk management **decision making**
- A means of demonstrating safety **management capability** before system failures occur
- Increased confidence in **risk controls** through structured **safety assurance** processes
- A **safety promotion** framework to support a sound **safety culture**





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## Everyone Must Participate

**Vaccines are not effective in eradicating diseases unless everyone uses them...we will not eradicate helicopter accidents until everyone is on board with the process.**





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## Get the Word Out!!

- Train safety culture
- Train risk avoidance and safety processes
- Train technical skills





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## **“THE INITIAL SHOT” AB INITIO TRAINING**

- **Utilizes a Safety Management Systems (SMS).**
- **Set the right example....even when you think nobody is watching. Always follow the rules!**
- **Primacy for standards! (Wear a helmet?)**
- **Teach responsibility.**
- **Set levels of acceptability high!**
- **Be Professional!**





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## **“THE BOOSTER” RECURRENT TRAINING**

- **Reinforce the importance of following the rules!**
- **Revise standards and procedures.**
- **Reiterate that YOU are responsible.**
- **“Bad” things do happen to “good” pilots**
- **Review, review, and review some more.**





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## **“ANOTHER BOOSTER” MISSION TRAINING**

- **Inherent risks!**
- **Safe procedures and CRM**
- **Operating the aircraft within its limitations**
- **Specialized training for special mission equipment**
- **Knowing when to say “no.”**





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## HOW OFTEN DO YOU TRAIN?

- **Initially.**
- **Regularly.**
- **When needed.**
- **When regulations dictate.**
- **When you start to get it wrong.**







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**.....but is it ever enough?**





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## Summary

**Let's "vaccinate" for safety...we  
have the vaccines...**

- **Good Safety Culture**
- **Safety Management**
- **Everyone participates through training**





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# Questions and Discussion

