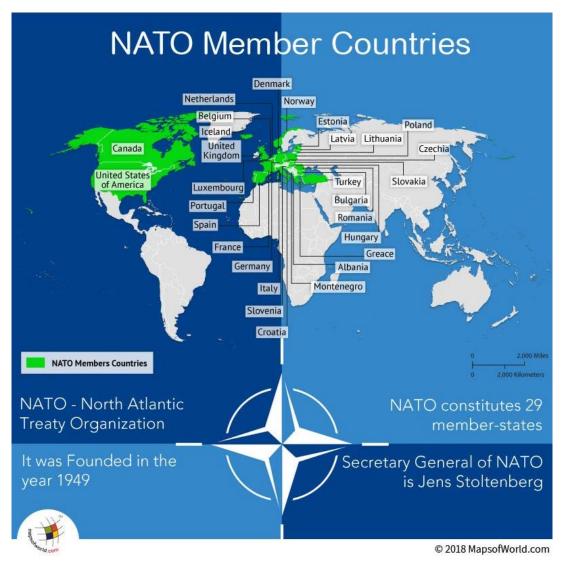
Pulmonary Screening Policies in NATO Countries



Major Erik Frijters, RNLAF Major Karsten Lindgaard, RDAF

Background



- In 2018 NATO HFM-299 formed: Pulmonary Screening of Aircrew
- > No uniform policy regarding acceptable conditions
- > No uniform policy about treatment
- Questionnaire sent out to NATO and PfP nations
- 15 Returned Questionnaires, 14 Countries

SCIENCE AND TECHNOLOGY ORGANIZATION



SHORT OF BREA

NASA LIDGES DEEDED STUDY OF F-35 PHYSIQLOGICAL EPISODES

REPORT: USAF SUPPRESSED PILOT

WHAT PILOTS TOLD NASA **ABOUT FLYING THE F-35**

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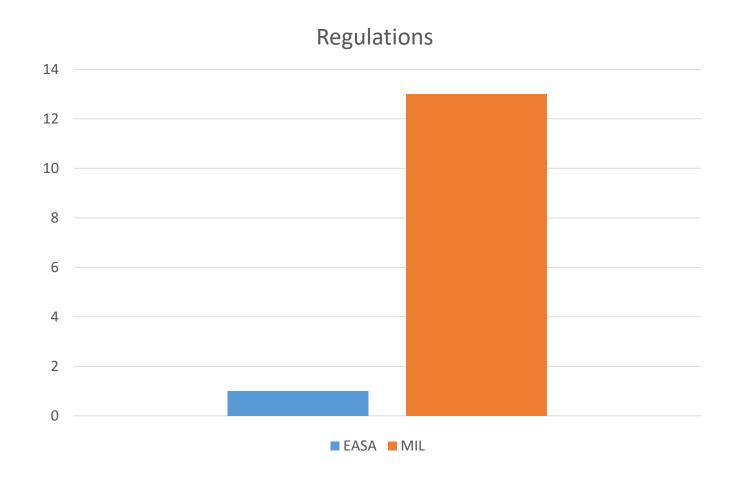


OTAN Pulmonary Screening and Care in Air Crew NATO Working Group HFM-299



Dear colleague, Thank you for participating in this questionnaire!	Date
Please answer the questions as complete as possible:	MM DD YY
Which regulations do you use for air crew medical exams? (e.g. FAA, EASA, Military Aviation Regulations)	
How often do your pilots get an Aeromedical Exam?	Choose an item
Do you do Screening for Pulmonary Conditions in pilot applicants ?	Choose an item
How often do you repeat Pulmonary Testing in pilots ? (Tick all boxes that apply)	☐ It is only done on initial application ☐ It is done every medical exam ☐ It is repeated on clinical indication ☐ Other (please specify):
What form of <u>Pulmonary Screening</u> do you use? (Leave blank if not applicable) (Tick all boxes that apply)	 □ Pulmonary Function Testing □ Standard Questionnaire (if so, can you send it?) □ Medical History □ Obtain Medical Records from General Practitioner □ Other (please specify):
Do you do other exams for <u>Pulmonary Screening</u> ? (Leave blank if not applicable) (Tick all boxes that apply)	☐ Chest X-Ray ☐ High Resolution CT Chest Scan ☐ VO₂ Max ☐ Bronchial Challenge Test ☐ Body Plethysmography ☐ Bronchial Challenge Test (if so, which one?) ☐ Allergy Testing (if so, how)? ☐ Impulse Oscillometry (IOS) ☐ Other (please specify):

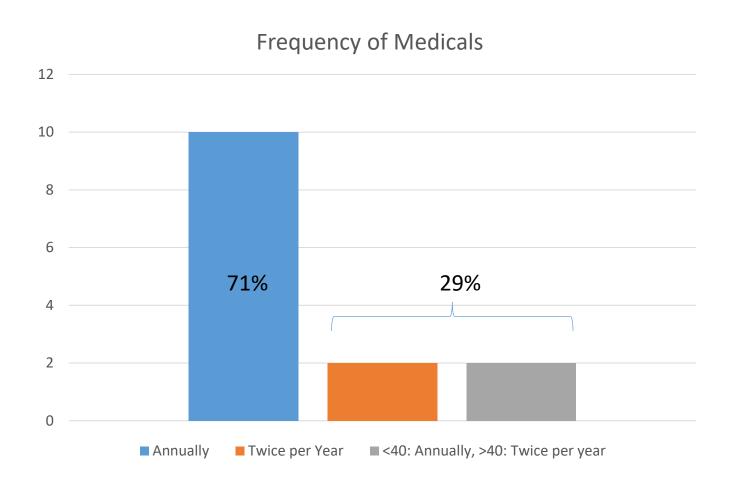
Regulations Used for Military Medical Exam







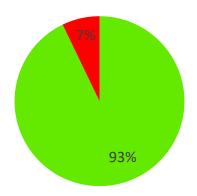
Frequency of Medical Exams for Aircrew



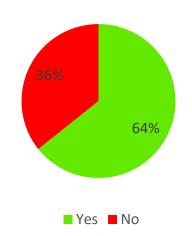


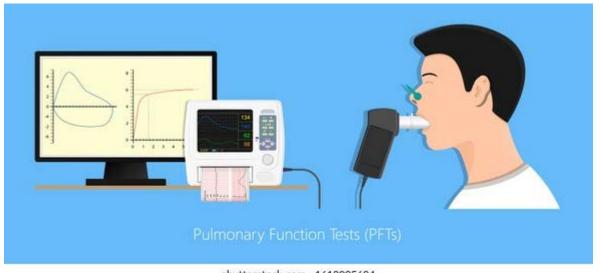
Pulmonary Function Testing (PFT) at aeromedical exam?

Initial exam



Revalidation exams

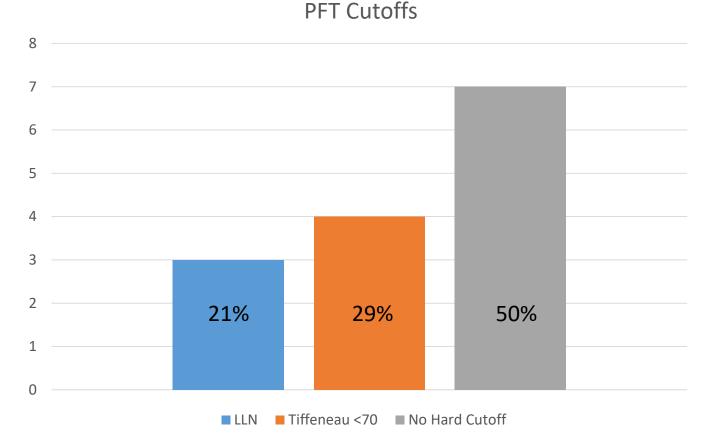


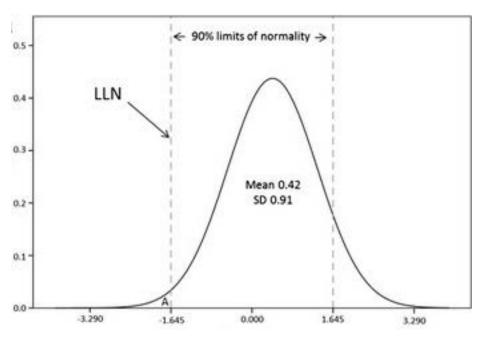


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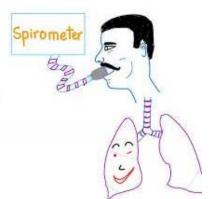
Cutoffs Used for PFT



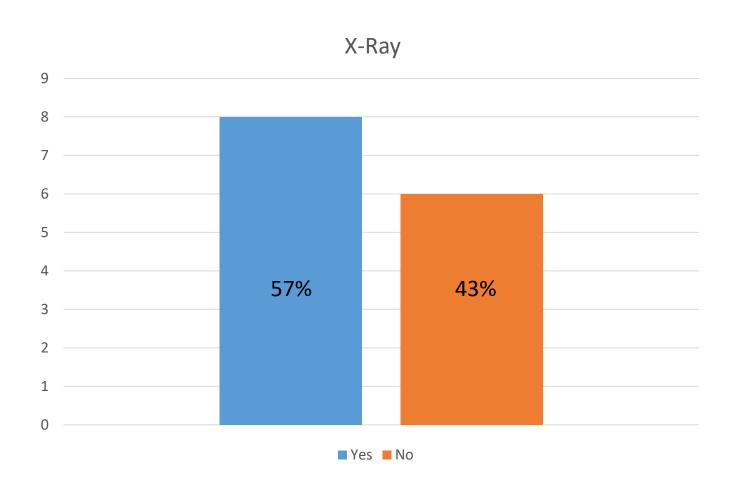






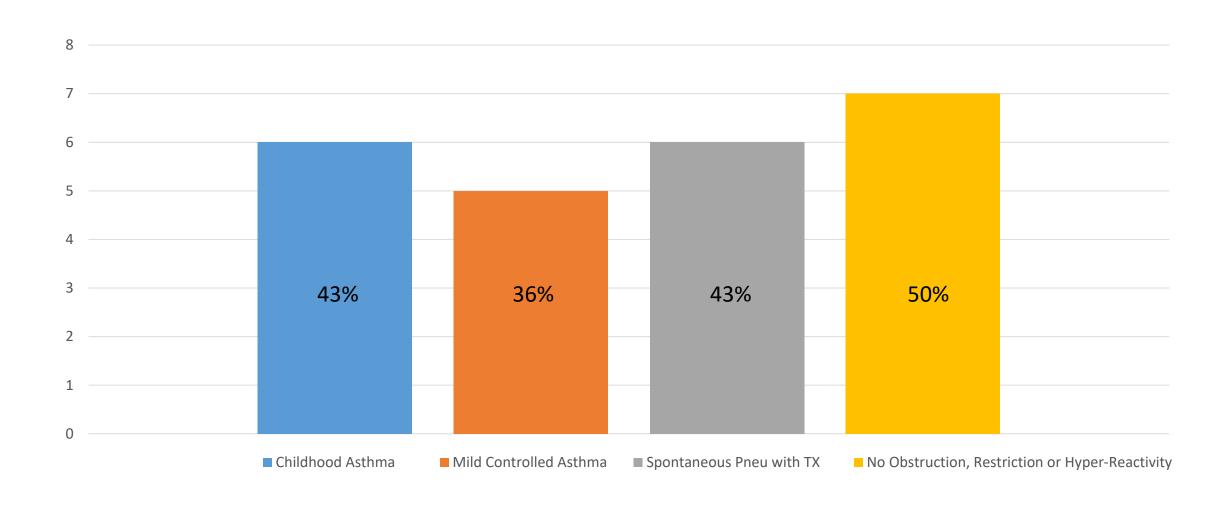


Chest X-Ray

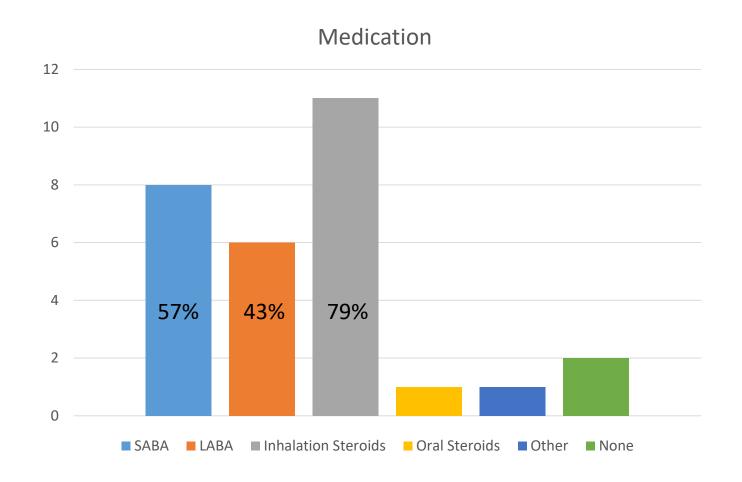




Acceptable Pulmonary Conditions on Initial Exam



Acceptable Medication for Obstructive Airway Disease





SABA: Short Acting Beta Agonist LABA: Long Acting Beta Agonist

Take Aways



- Interesting Differences in screening policy among NATO partners
- Same challenges: comparable aircraft and general population
- Learn from Each Other!
- Results will be published & recommended practices formulated



Shout out to NATO Partners

Please fill out the questionnaire (by the door)

 For the ones that already did before the Pandemic: how has COVID changed your pulmonary screening policies?





COVID SPECIFIC QUESTIONS (Addition to 2019 questionnaire)

Have your normal screening procedures towards pilots and aircrew changed due to COVID? (If yes, please describe how)	
Do you have mandatory COVID vaccination for aircrew?	□ Yes □ No
Have you experienced an increase in long term grounding of pilot and aircrew due to post-COVID symptoms (impaired pulmonary function, fatigue, etc.)	
Do you have special COVID regulations towards pilots and aircrew? Including return to flight after COVID procedures? (if possible pls. attach them to this questionnaire upon response)	

