

The MCCS Townhall Will Begin Soon

MCCS Townhall Agenda

- General Thomas Bussiere Opening Comments
- AFGSC/SG & A4 (Colonel Greg Coleman, Mr. Matt Miller)
- USAFSAM (Colonel Tory Woodard) Update
- Questions & Answers
- Closing Comments

- Please turn your video off (save bandwidth)
- Please ensure your microphone is muted
- During Q&A, please use the 'raise hand' button and wait to be called
- When asking a questions, please introduce yourself before asking your question
- Members of news media are in attendance
- If you want to submit a question anonymously please text it to (318) 532-1214
- If we run out of time you can always submit questions via QR code, MCCS or AFGSC website





Missile Community Cancer Study (MCCS) Update



Gen Thomas Bussiere AFGSC/CC June 2024

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MCCS Summary

Space Force Guardian/former Missileer diagnosed with non-Hodgkins Lymphoma (NHL) discovered colleagues with cancer & started important dialog: do Missileers have increased cancer risk? Cancer concerns Site Visits & Town Round 1 PCBs ID'd & Round 2 & 3 AFGSC/CC directs Epidemiology Epidemiology Halls at Missile Wgs, Environmental Mitigation efforts **Environmental** in Missileers study **Review Phase 1A** Review Phase 1 B&C Space Delta sampling sampling started Feb 23 Feb 24 Fall 24 **Dec 22** Mar-May 23 Summer 23 Aug-Oct 23 Fall 23 & Spring 24 Missile Community Cancer Study Safety of Airmen prioritized at all stages (MCCS) Immediately instituted changes after site visits Burning activities ceased, hazard signs updated Run by US Air Force School of Aerospace Medicine (USAFSAM) Deep cleans & living space upgrades scheduled ✓ MAFs with PCBs over EPA threshold closed until mitigated **Environmental Sampling** Epidemiology Review Environmental Sampling Rounds 1 & 2 results, including Vandenberg SFB, posted on website \checkmark Compare 14 common cancers in Collect 3 seasonal rounds to Round 3 Sampling complete; results expected late summer the general population to missileassess for any chemicals, LF Sampling scheduled Jul-Sep related career fields using large contaminants, or hazards government databases **Epidemiology Review** Phase 1A – DoD Medical Data Phase 1B - currently analyzing DoD & VA medical/tumor registry data Transparent engagement with stakeholders & leaders White House PACT Act Representatives Elevation in Cancer
Incidence or Mostality
Compared to National Rates VA Military Environmental Exposure Sub-Council Data back to 1976 Veterans' Service Organizations Includes ~84K past/present missile community members DISCIPLINE EXCELLENCE PRIDE

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Environmental Sampling Results

- 20th Air Force Missile Wings: all 45 Missile Alert Facilities (MAFs) tested in each of 3 seasonal rounds- over 8300 samples; Vandenberg SFB missile facilities also tested
 - Rounds 1 & 2 : all air, water, & soil samples <u>below</u> acceptable regulatory levels for any chemicals or hazards
 - Fertilizers, pesticides, volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs) among others
 - Radon levels well <u>below</u> intervention threshold for all 4 bases
 - Round 3 sampling complete; results expected in late summer





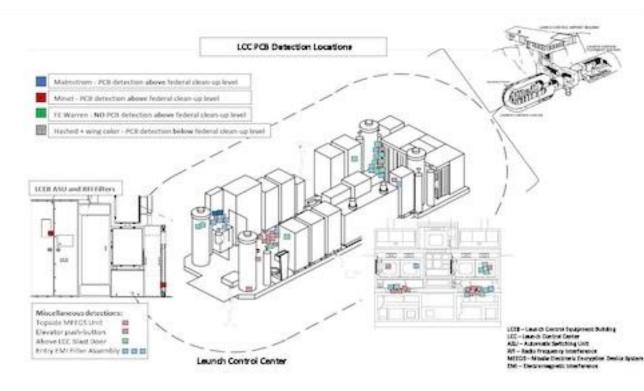


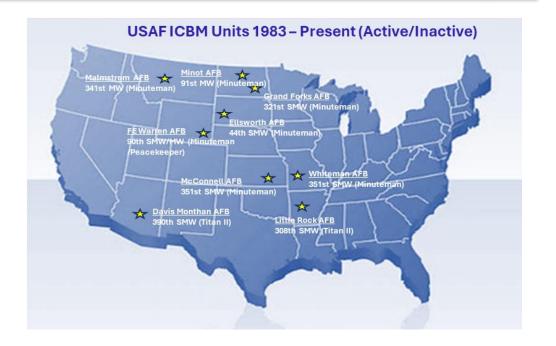
- PCBs on surfaces are the <u>only</u> hazard discovered above regulatory levels
 - Long-lasting chemicals widely used in electrical, heat transfer, and hydraulic equipment
 - Labeled as a potential carcinogen, US banned production in 1977
 - 3 MAFs (4 surface samples out of 1124 total at 4 bases) over EPA standard
 - Closed until PCBs mitigated to prevent exposure



Ongoing Efforts

- PCB response protocols standardization complete
 - Maintenance Technical Orders (TOs)
 - Civil Engineer Manuals
 - Signage





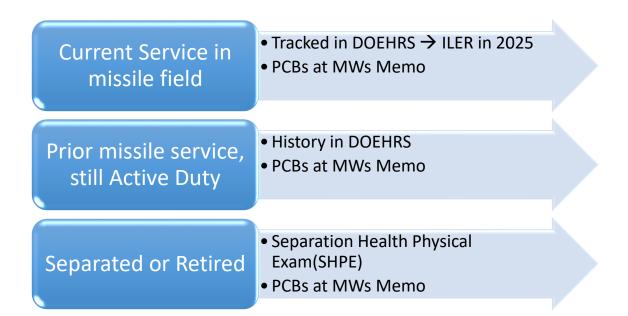
- MAF environmental upgrades & deep cleaning contracts in progress
- Launch Facility (LF) PCB sampling scheduled for Jul-Sep 2024



Hazard Documentation

Missile-related career fields in Defense Occupational & Environmental Health Readiness System (DOEHRS)

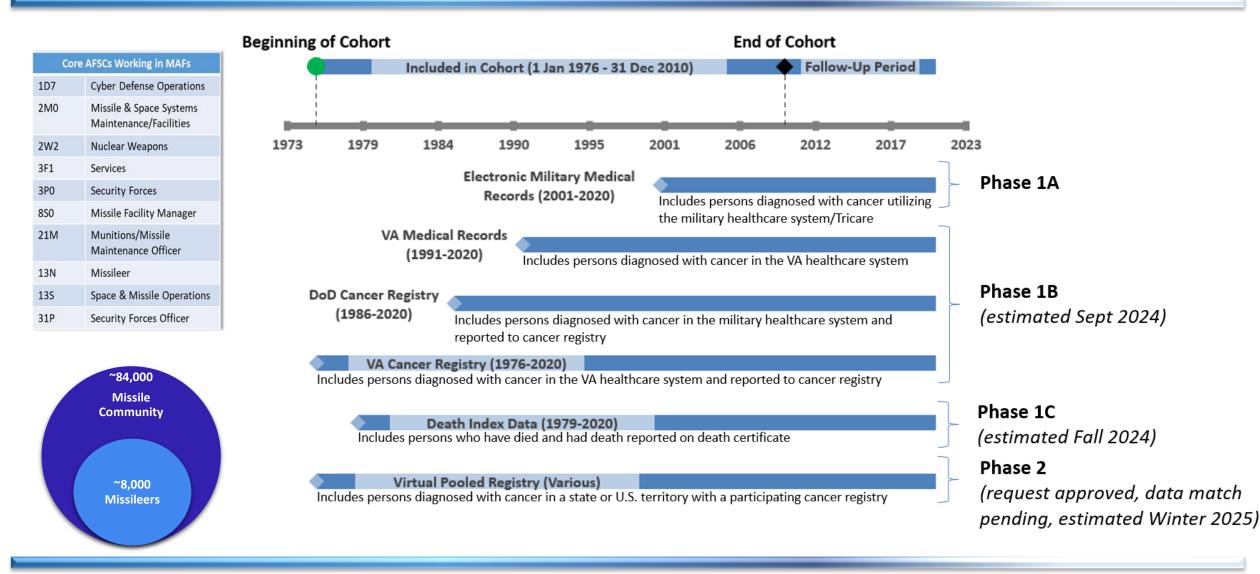
- Most missile field jobs already included, e.g. Maintenance, Facility Mgrs, Security Forces
- Missileers not previously tracked; will be fully added by Dec 2024
- MCCS results (incl PCBs) being loaded in DOEHRS
- Individual Longitudinal Exposure Record (ILER) compiles data through career & after
 - Visible to DoD & VA medical personnel; individuals projected to have access in 2025
 - Collects occupational & environmental health info from multiple sources, including DOEHRS
 - Hazards listed by location, but not linked to individuals for CONUS; DHA working to connect data sets



Documentation to complement ILER improvements: "Polychlorinated biphenyls (PCBs) at Missile Wings" memo



Epidemiology Review

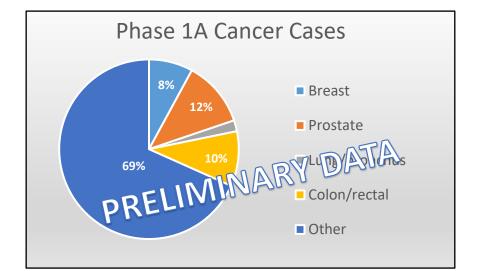


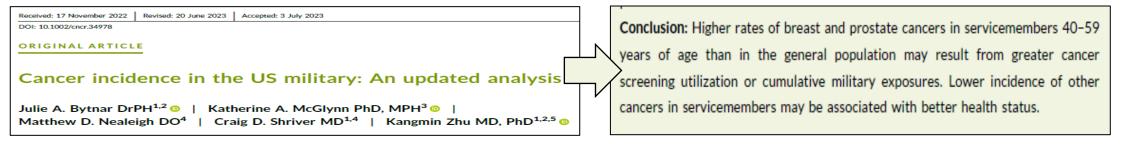
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Phase 1A Results

- Comparison of MCCS Phase 1A cancer rates to the general population is <u>difficult at this time</u> due to incomplete case counts within this data set (Electronic Military Medical Records)
- With this limited data, breast and prostate cancer are trending towards increased incidence in the missile community, compared to the general population
 - Breast and prostate cancer are the two most common US cancers
 - This trend is similar to other findings in the military population based on recent independent research (Bytnar *et al.*, 2024)





There is <u>no increased incidence</u> of non-Hodgkin Lymphoma (NHL) in Phase 1A; the next phase will continue to analyze additional data



Way Forward

- Complete Environmental Sampling
 - Round 3 report
 - Comprehensive health risk assessment incorporating data from all 3 rounds
 - LF PCB sampling
- **Continue Epidemiology Review –** Phase 1B data set analysis/publication
- Stakeholder Engagement
 - Monthly Congressional updates
 - Monthly VA Coordination; quarterly Military Environmental Exposure Sub-Council
 - White House / PACT Act Discussions
 - For more information on expanded VA coverage

The PACT Act And Your VA Benefits | Veterans Affairs

Website for public information/questions: <u>Missile Community Cancer Study (af.mil)</u>







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