



Special Warfare Training Wing

Utilization of Human Performance Optimization Personnel in the U.S. Air Force Special Warfare Training Wing



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Building the human foundation of the AF Special Warfare capability

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Human Performance Support Group

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Non- Disclosure



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- The views expressed in this presentation are those of the authors and do not reflect the official policy or position of the US Air Force, Department of War, or US Government.
- Kathleen Hogan PhD, ATC and affiliated authors have no conflicts of interest to report.



Current Human Performance Programs



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- Mission ready human weapon systems
- Optimized performance of military members



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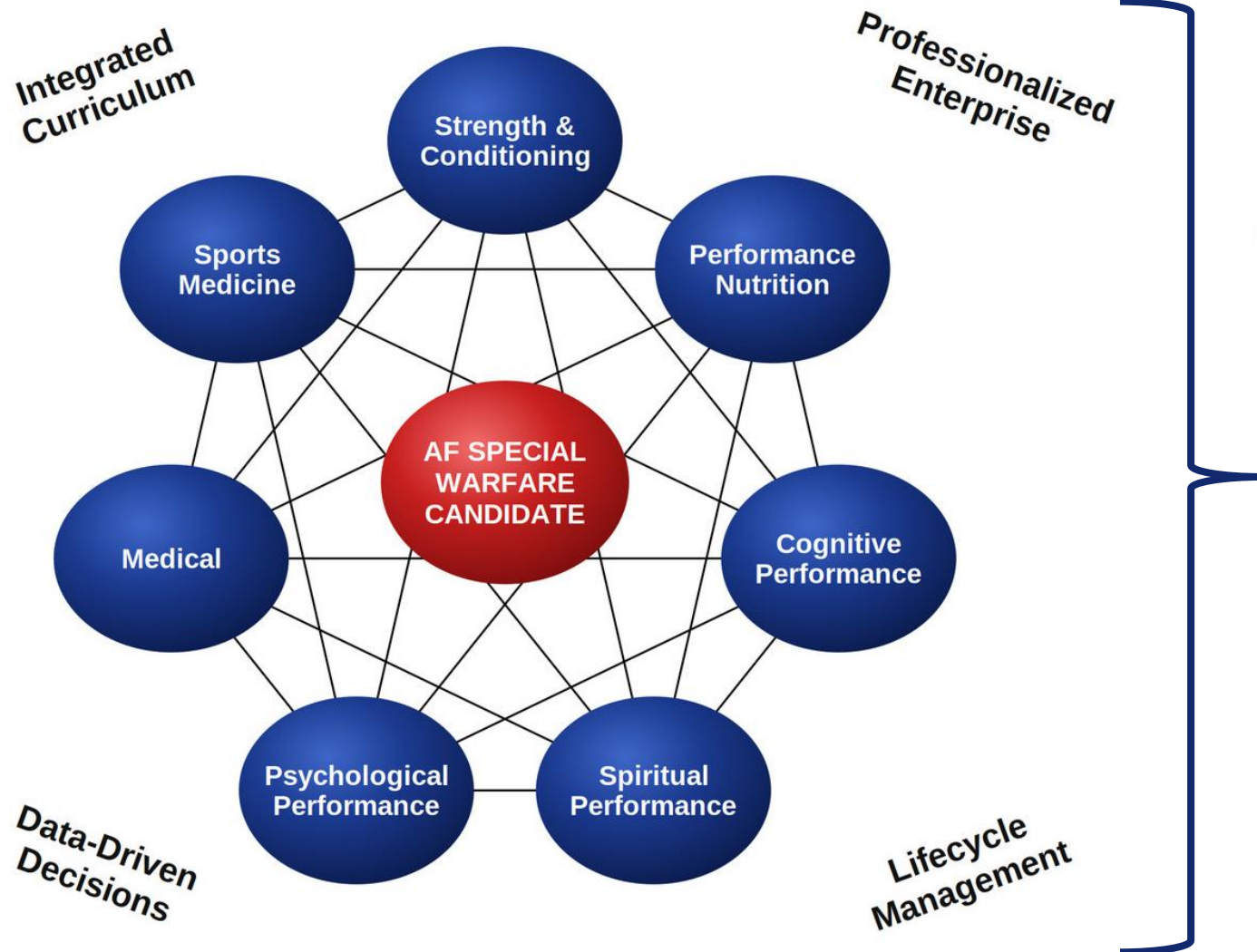
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Return on Investment Strategies



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- Access to Care
- Healthcare Utilization
- Return to Duty

MILITARY MEDICINE, 00, 0/0:1, 2024

Impact of an Integrated Human Performance Support Group: Evaluation of Air Force Special Warfare Candidate Training and Musculoskeletal Injury Outcomes Over Eight Fiscal Years

Lauren E. Haydu, PhD, MPH^{1,2}; Kathleen K. Hogan, MSAT¹; Lt Col. Courtney Merseal, MD, USAF³; Chase M. Feldbrugge, MSAT³; Andrew S. Johnson, DPT, ScD³; Lt Col Michael T. Smolka, DO, USAF⁴; Col George J. Buse, MD, USAF (Ret.)⁴; Maj Wesley Carr, MD, USAF³; Lt Col Cody R. Butler, DPT, PhD, USAF¹

JOURNAL ARTICLE

Injuries and Referral Patterns During Basic Combat Training: An Examination of Data From the Certified Athletic Trainer-Forward Program ^{FREE}

Rebecca M Hirschhorn, PhD, ATC, NRAEMT, Susan W Yeargin, PhD, ATC, James M Mensch, PhD, ATC, Thomas P Dompier, PhD, LAT, ATC

Military Medicine, Volume 188, Issue 1-2, January-February 2023, Pages e190–e197,

> J Athl Train. 2021 Feb 1;56(2):134-140. doi: 10.4085/1062-6050-0498.19.

Outcomes of Embedded Athletic Training Services Within United States Air Force Basic Military Training

Reid Fisher¹, Shandra Esparza¹, Nathaniel S Nye², Ryan Gottfredson², Mary T Pawlak², Thomas Leo Cropper², Theresa Casey², Juste Tchandja², Sarah J de la Motte³, Bryant J Webber⁴

Review

> J Athl Train. 2022 Jul 1;57(7):632-639. doi: 10.4085/1062-6050-0666.21.

Evidence for Economic Evaluations of Athletic Trainer Services

Collin Peterson¹, Tao Li¹

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Measuring the Impact of HP Assets



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HP Encounter

Maintenance Measures

Operational Medicine

Behavioral Health

Strength & Conditioning

Nutrition

Cognitive Performance



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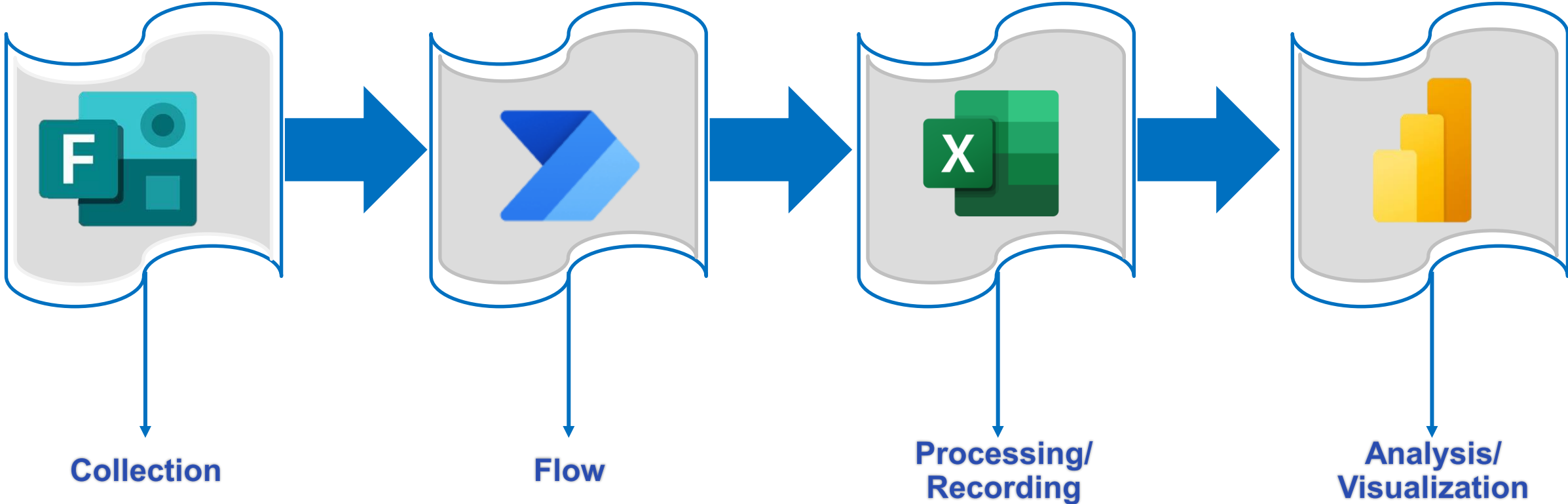
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Design Structure

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HP Utilization Tracker Input



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HPSG Utilization Tracker V3

Human Performance Utilization Tracking for measuring utilization of personnel across SWHPSG. Please refer to Human Performance Utilization Track (HPUT) Memo for specifics regarding requirements of tracking for each specialty.

Hi, KATHLEEN. When you submit this form, the owner will see your name and email address.

* Required

1. Date of Encounter *

Please input date (M/d/yyyy)

2. Length of Encounter *

Record by the 0.25 hour (Example: 2.25)

Number must be between 0 ~ 16

3. Type of Encounter *

☐ Group

☐ Individual

4. Number of Individuals in Encounter *

Please enter a whole number

5. Human Performance Pillar Type *

Nutrition

6. Provider Name (Nutrition) *

7. Maintenance Measure (Nutrition) *

Consultation/Advising

8. Encounter with Student, Permanent or External Party *

☒ Student

☐ Permanent Party

☐ External Party

9. Squadron Affiliation *

350th

10. 350th Course/Team *

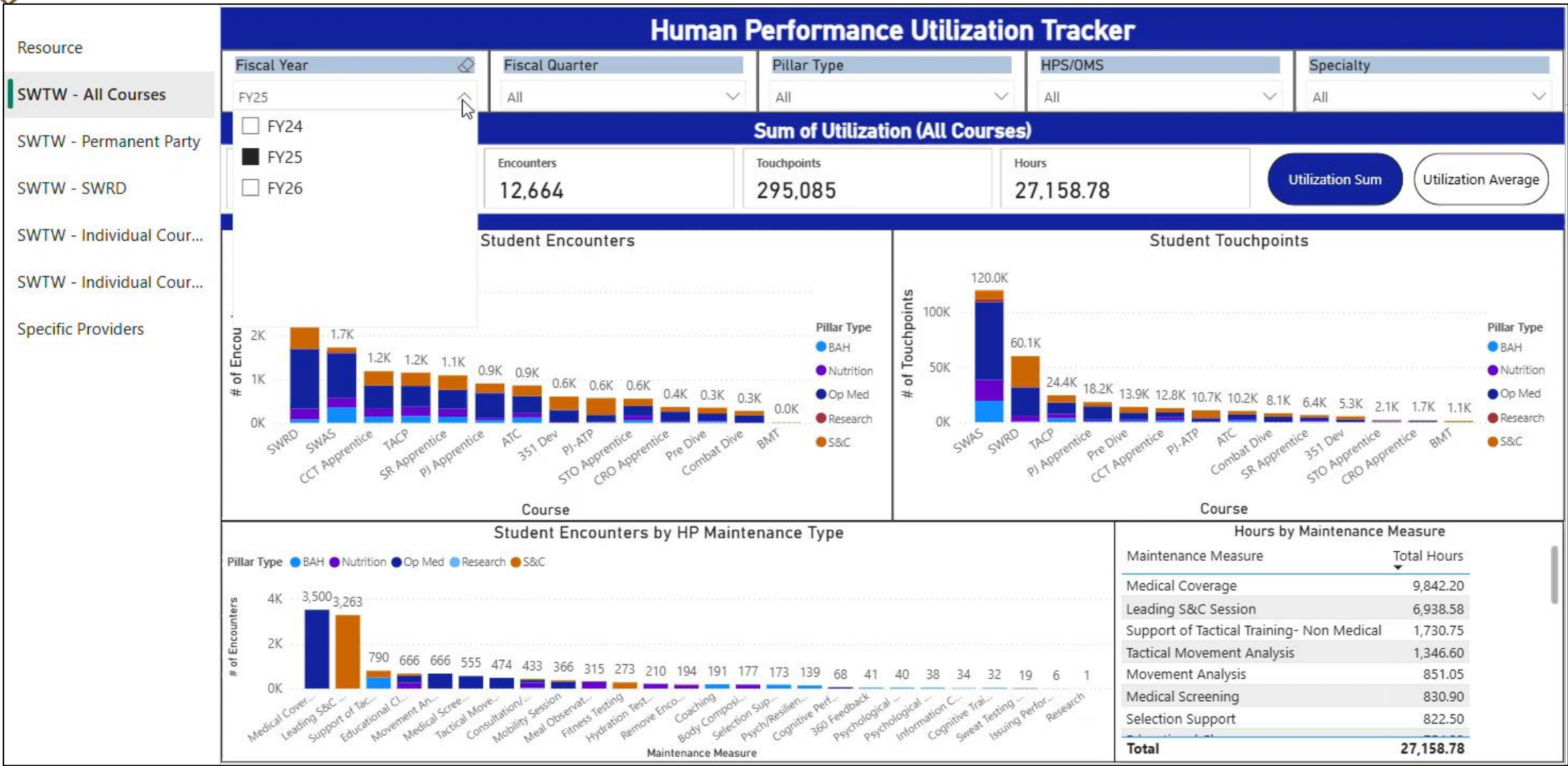
SWAS



Human Performance Utilization Visualization Demonstration



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Human Performance Utilization Visualization Demonstration



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Resource

SWTW - All Courses

SWTW - Permanent Party

SWTW - SWRD

SWTW - Individual Cour...

SWTW - Individual Cour...

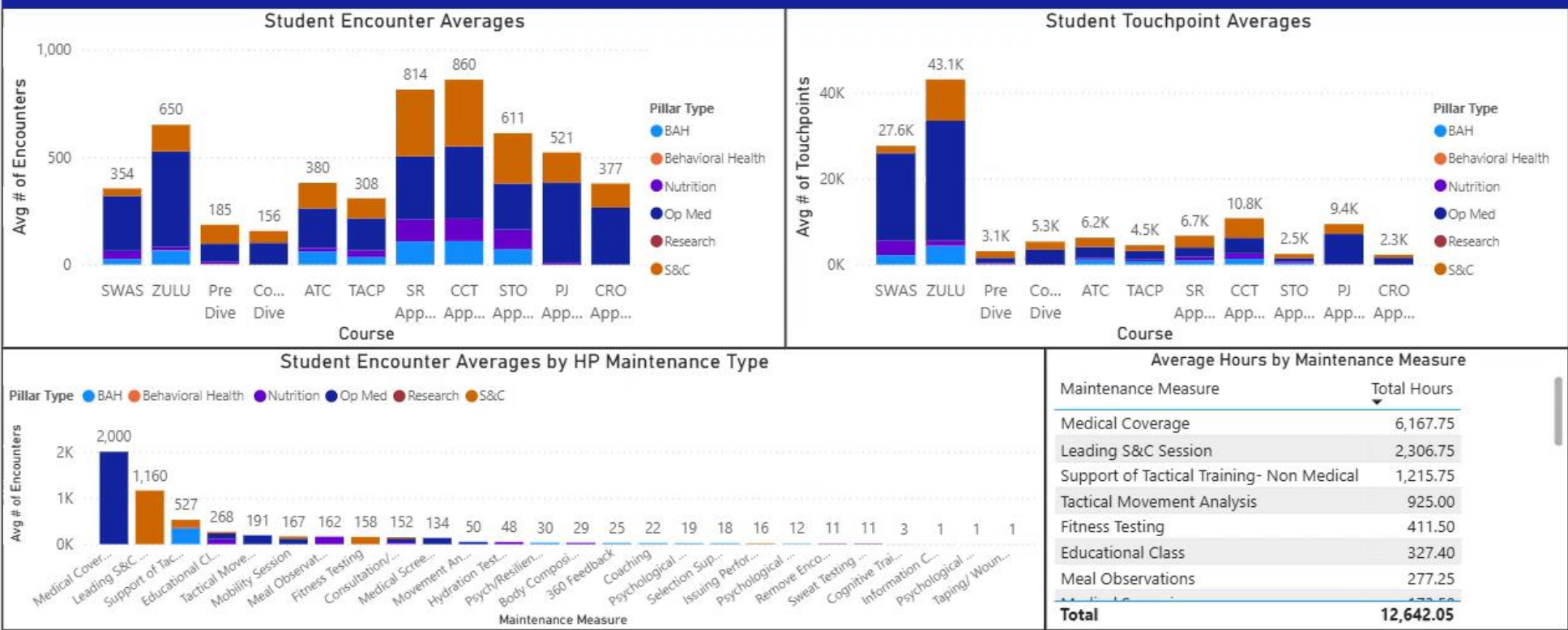
Specific Providers

Human Performance Utilization Tracker

Pillar Type	HPS/OMS	Specialty
All	All	All

Utilization Average (Past 3 Completed Courses)

CAO Date	Encounters	Touchpoints	Hours	Utilization Sum	Utilization Average
30 Jun 2026	5,216	121,468	12,642.05		



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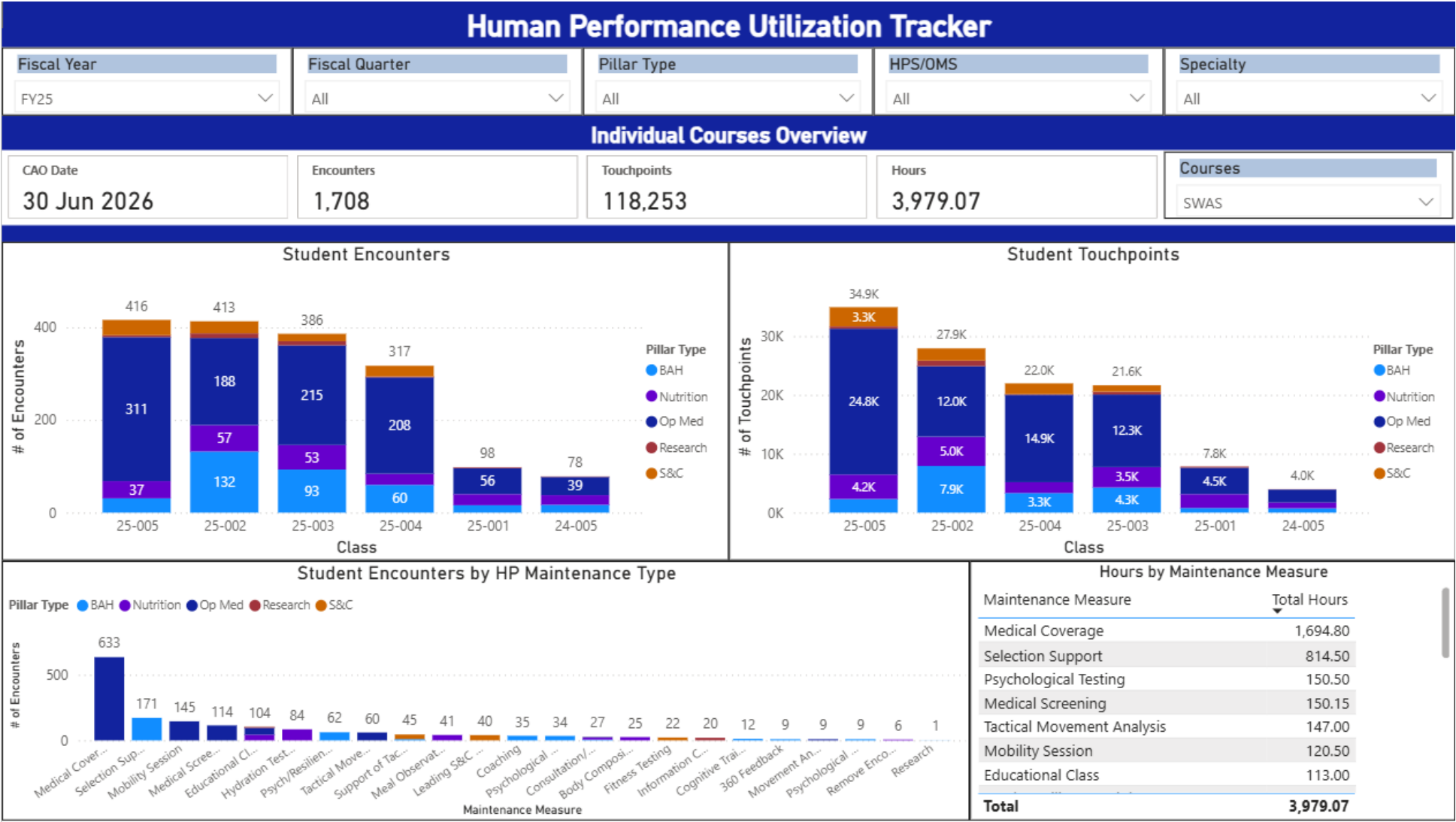
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Human Performance Utilization Visualization Demonstration



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Future Directions



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- Linking HP Utilization to a student profile
- Creating a unified database of human performance and medical utilization
- Analyzing the impact of utilization on course outcomes





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Questions/Comments

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