

## Executive Medical Planning Tools (3-hour)

### *Medical Planners' Toolkit (MPTk) & Joint Medical Planning Tool (JMPT)*

#### Course Description

This course is a three hour virtual event to present an executive overview two medical modeling tools: the Medical Planners' Toolkit (MPTk) and the Joint Medical Planning Tool (JMPT). This event will give an overview of how these tools are being used throughout the Department of Defense, provide an understanding of their importance to Navy Medicine, and provide guidance on how to interpret their outputs.

Attendees will gain exposure to both MPTk and JMPT and see examples of how the tools have been used to model problem sets within the Navy and the Marine Corps. Upon completion, attendees will have a broad understanding of:

- the process, inputs, and outputs used in medical modeling and casualty estimation.
- the types of problems MPTk and JMPT can help model.
- the data requirements needed to generate a good product with MPTk and JMPT.
- the outputs, reports, and information that can be generated from MPTk and JMPT.

This virtual event is targeted towards senior medical personnel working with or within operational units. Some experience with operational medical planning is preferred, but not required. Attendees of this course should **not** expect in-depth training on MPTk or JMPT. **Individuals who are interested in in-depth training and becoming authorized users of the tools should enroll in the Joint Medical Planning Tool (JMPT) Course, facilitated by the Defense Medical Readiness Training Institute (DMRTI):** <https://www.health.mil/Military-Health-Topics/Education-and-Training/DMRTI/Course-Information/Joint-Medical-Planning-Tool-Course>.

This virtual event is informational only and completion is not reflected in attendees personnel records (service school). There are no CME/CEU credits offered for this event. **This event does not satisfy any of the requirements of the Joint Medical Planning Tool (JMPT) Course, facilitated by DMRTI.**

#### FY 2023 Course Schedule

The executive level overview will be conducted virtually. Attendees should not schedule other obligations during their registered class time. Attendees should expect to devote the entire class time to instruction and demonstration.

Dates	Class Time	Seats Available	Location	Nomination Due
27 Jul 2023	0800-1100 Pacific	50	Virtual	21 Jul 2023

#### Background

MPTk is a powerful medical planning tool developed by the Naval Health Research Center (NHRC) that combines the Patient Condition Occurrence Frequency (PCOF) tool, the Casualty Rate Estimation Tool (CREstT), the Expeditionary Medical Requirements Estimator (EMRE), and the Estimating Supplies Program (ESP). The PCOF tool contains distributions of injury and illness across the range of military operations (ROMO), and CREstT is used to develop casualty streams; from those casualty streams, EMRE estimates theater hospital and replacement requirements and ESP estimates Class VIIa consumable supplies. When used collectively, the toolkit generates detailed information to enhance medical and personnel planners' efficiency.

The casualty streams generated in CREstT can be used in the Joint Medical Planning Tool (JMPT), which is a software application designed to model the flow of patients from the point of injury through more definitive care. JMPT is also an operations research tool that supports systems analysis, operational risk assessment, and field medical services planning. JMPT incorporates extensive data for over 300 patient conditions, for both conventional and chemical, biological, nuclear

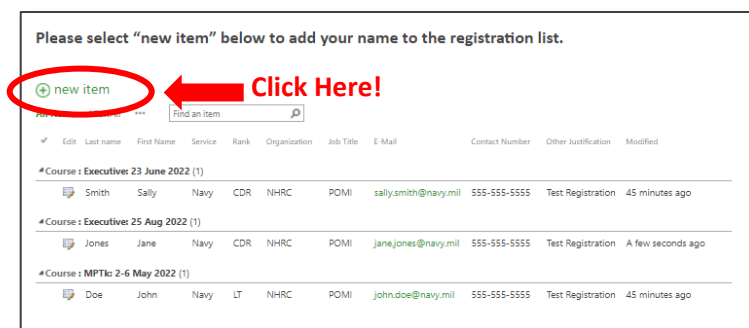
and radiological casualties, and their corresponding medical treatment tasks, treatment times, critical equipment, transportation assets, medical personnel and skills across the roles of care. It employs a Monte Carlo method to simulate patient treatment and patient losses due to treatment delays and medical complications, in order to assess the impact that resource limitations, system bottlenecks, skill limitations, and other factors have on patient disposition.

### **Nomination/Registration for the 3-hour Executive Program**

Attendees can self-register at link below by the nomination date listed above. Should registration exceed the class capacity, the registration list will be prioritized by the Regional Training Officers.

<https://intelshare.intelink.gov/sites/medicalplanningtoolsuite/Lists/Request/NavyReadinessTraining.aspx>

When you navigate to the site, please click “New Item” to add your name to the registration list. Please contact [support@jmptonline.com](mailto:support@jmptonline.com) should you have difficulty registering for the course.



### **Requirements for Virtual Training**

This course is taught virtually via Microsoft Teams.

- Attendees must provide their own internet enabled computer with access to WebEx for training.
- Attendees must dedicate the entire class time to instructions; no other obligations should be scheduled during course instruction.
- Students must have access to a microphone (via computer or telephone dial-in).
- Video is strongly preferred for interaction among students and instructors, but not required.

### **Course Agenda**

Overview of MPTk and JMPT  
Benefits of Using Medical Modeling Tools  
Use of Medical Modeling Tools  
Intro to MPTk  
Intro to JMPT  
Demo of MPTk in solving a Navy/Marine Corps problem  
Demo of JMPT in solving a Navy/Marine Corps problem  
Understanding the Results  
Course Critiques  
Question and Answer Session