The First-responders Radiological Assessment Triage software for Windows (WinFRAT), launched in March 2011, enables radiological and nuclear emergency response professionals to triage suspected casualties according to recognized assessment and treatment principles. WinFRAT, which can be loaded onto computers running XP or higher, collects, records, and assesses data regarding radiation dose exposure.

With minimal text entry, WinFRAT accepts exposure signs and symptoms, blood lymphocyte counts, and dosimetry data. It can assess the multiparameter triage dose or the probability of exposure without an assigned dose, and it can indicate there is no evidence of overexposure. In addition, it generates dose-specific messages addressing reliability and diagnostic information, hospitalization estimations, and mortality projections.

WinFRAT is one of several tools being developed for a deployable multiparameter biodosimetry system that includes AFRRI’s Biodosimetry Assessment Tool software for laptops, FRAT for handhelds, standard operating protocols, and medical data recording forms.

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**Radiation assessment software beta testing begins**

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**Get WinFRAT**

**Request WinFRAT online**
AFRRI Web site
www.usuhs.edu/afrr/outreach/request.htm

**Receive WinFRAT at the MEIR Course**
AFRRI Medical Effects of Ionizing Radiation Course
www.usuhs.edu/afrr/outreach/meir/meir.htm

**Find other resources**
Medical/operational guides at
www.usuhs.edu/afrr/outreach/guidance.htm
Medical Management of Radiological Casualties Handbook
Emergency Radiation Medicine Response, AFRRI Pocket Guide

Biodosimetry tools at
www.usuhs.edu/afrr/outreach/biodostools.htm
BAT—Biodosimetry Assessment Tool
AFRRI Adult/Pediatric Field Medical Record
AFRRI Biodosimetry Worksheet
Radiocesium RDD Patient Initial Contact Worksheet

**Contact project manager**
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Responders need to differentiate between the concerned public and exposed individuals for appropriate use of medical resources.

Responders need to perform and record exposure assessments for each suspected exposed individual.

No single assay is sufficient for all potential radiation exposure complex scenarios involving mass casualties.

Multiple bioassay and integrated approach is required for triage, clinical, and definitive radiation biodosimetry.

Real-time recording of diagnostic information:
1. Prodromal signs and symptoms
2. Blood lymphocyte counts
3. Physical dosimetry

Based on initial or prodromal features of AFRRI’s Pocket Guide

The WinFRAT program is NOT a substitute for treatment decisions by physicians and other trained health-care professionals.