

# ***Enhancing Medical Imaging Physics Education on a Global Basis with Shared Resources***

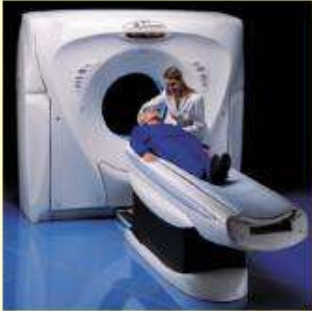


***Perry Sprawls, Ph.D.  
Sprawls Educational Foundation***



***<http://www.sprawls.org/resources>***

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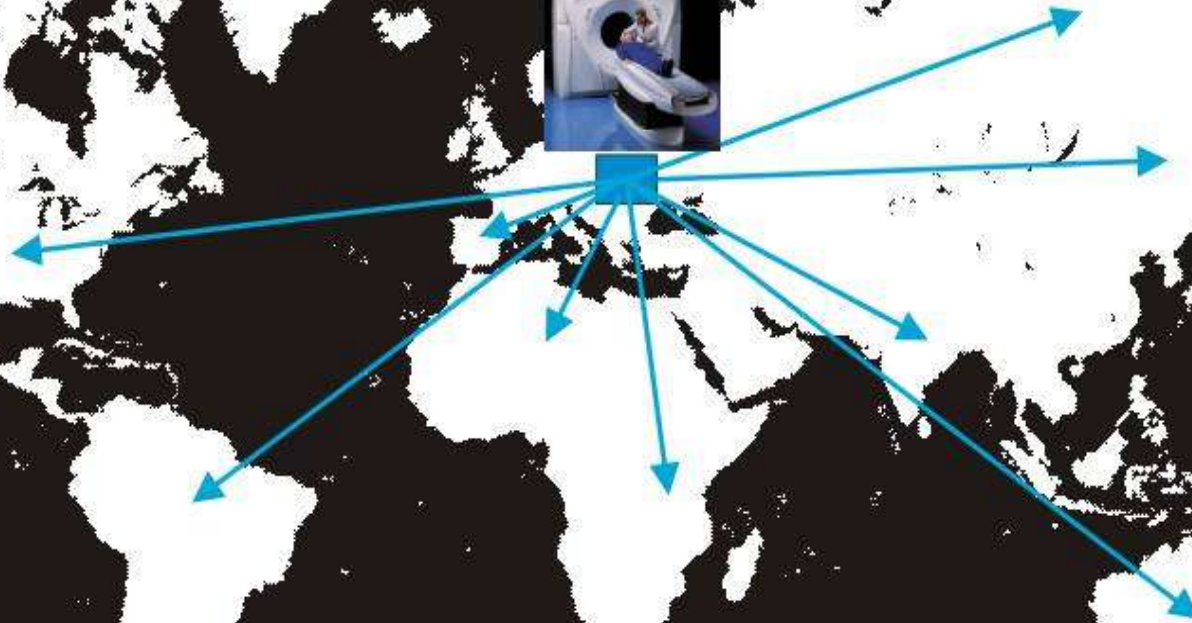


***The Educational Needs  
Model and Methods  
Results  
Conclusions***

***<http://www.sprawls.org/resources>***

# Geographic Dispersion

Imaging Technology





# **Effective Medical Imaging Physics Education**

## **Goals & Objectives**



***Medical imaging professionals with a knowledge of physics that will enable them to perform clinically effective imaging procedures with managed risk to both patients and staff.***

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# Geographic Dispersion

Experience & Knowledge



*Spreaads*



# Digital Resources to Enrich Learning Activities



**Textbooks  
Modules**

**Visuals**

**Clinical  
Images**

**Modules**

**References  
Teaching Files**



**Classroom**



**Clinical  
Conference**



**Small  
Group**



**“Flying Solo”**

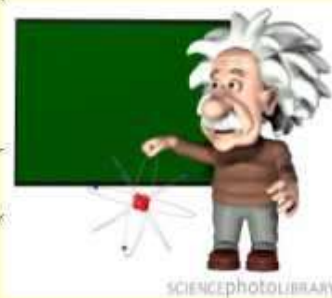
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# The Model



**Modern  
Medical Imaging**



**Clinical Medical  
Physicist Educator**

Computer Tomography Image Characteristics

Spatial	Artifacts
Detail	Noise

Major Imaging Factors

**Visuals**

**E-book**

**Modules**

**Educational  
Resources  
available  
on the web  
(no cost)**

**Class/Conference**



**Individual  
and  
Small Group**



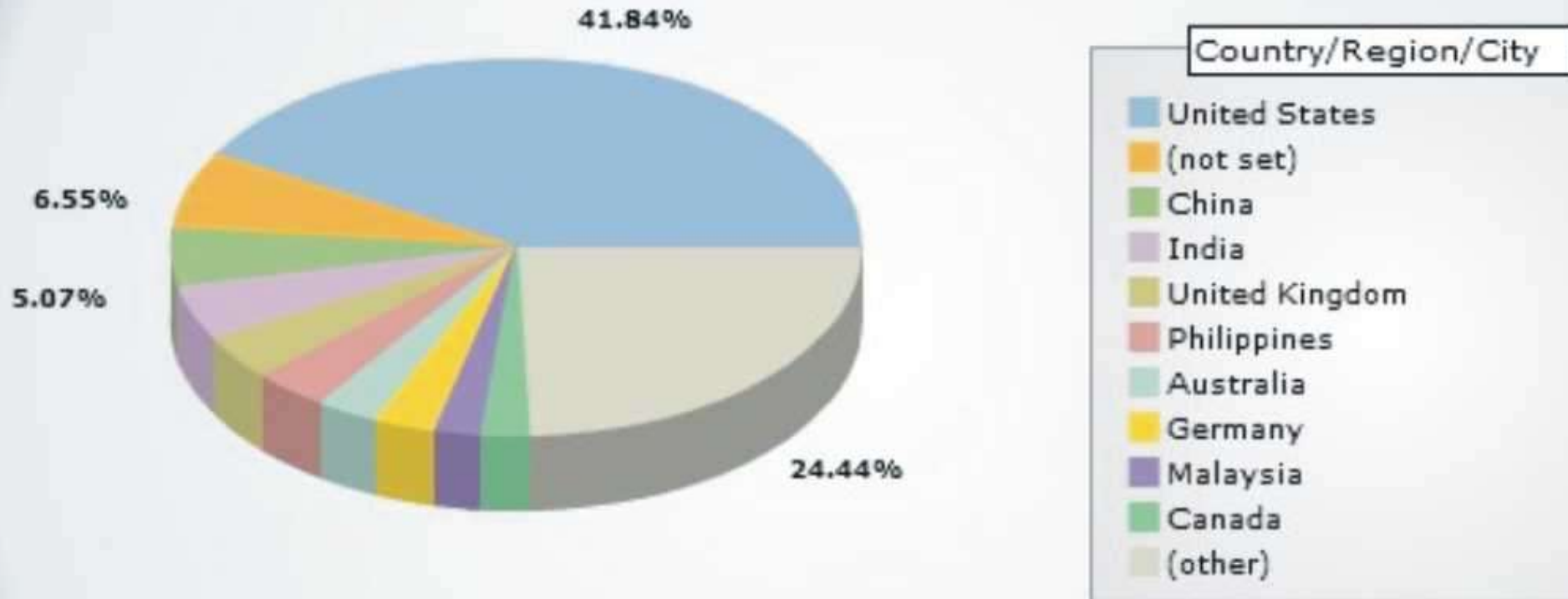
**In Partnership** with Other Medical Physics Teachers  
to be More **Effective** and **Efficient** in Providing  
**Medical Imaging Education**



# Sprawls Resource Users

Week of July 17-23, 2012

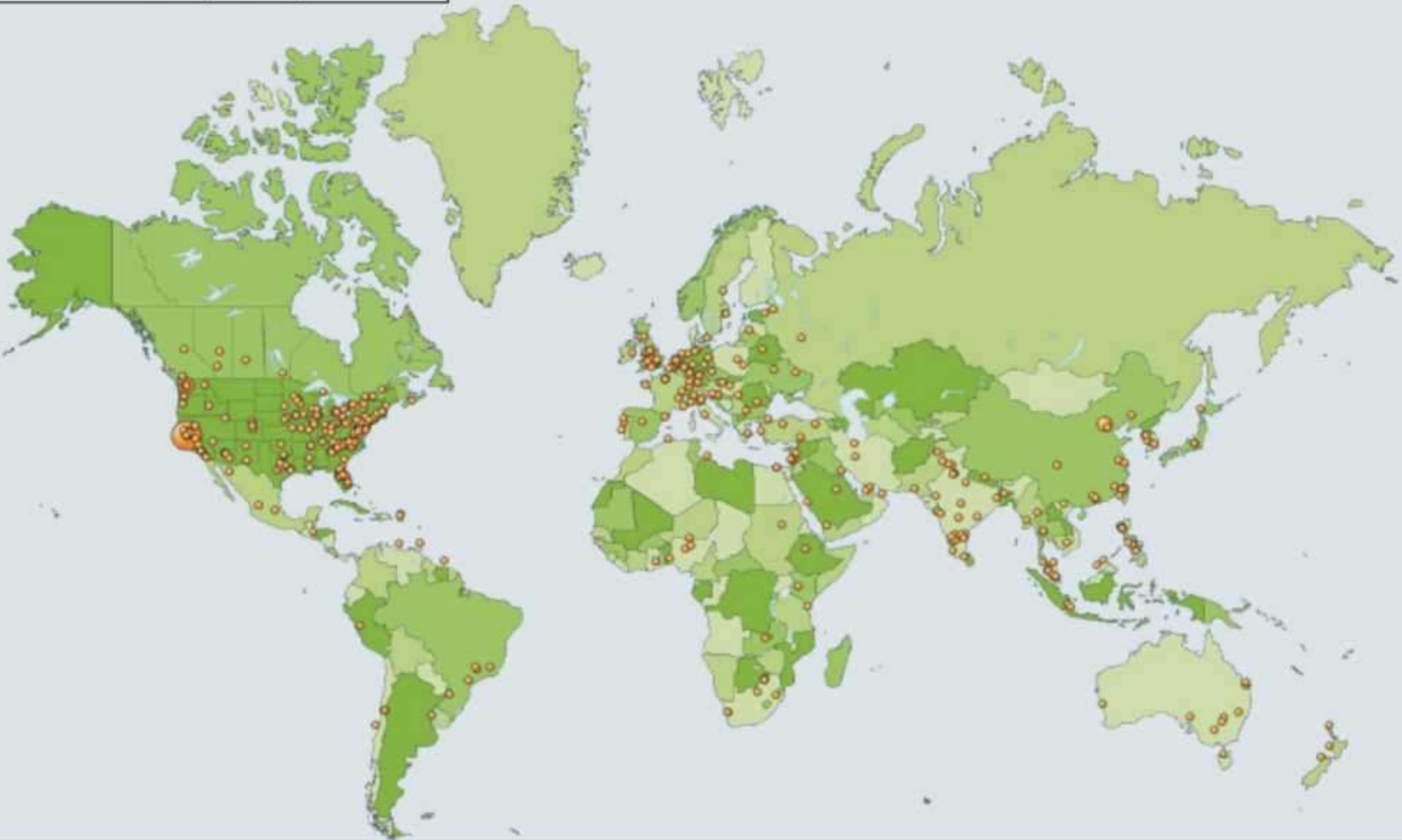
## Top Countries



# Sprawls Resource Users

Week of July 17-23, 2012

Geo Map Overlay





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