

参考：チェルノブイリ原発事故後の体内放射能推移（一研究結果のご紹介）  
 ブリャンスク・オブラスト（ロシア）における1998-2008年の経時変化データ  
 Sekitaniら、Radiation Protection Dosimetry (2010), Vol. 141, No. 1, pp. 36-42



Figure 1. Location of Bryansk Oblast, Russian Federation.

Table 3. Seasonal differences in  $^{137}\text{Cs}$  concentration in the body ( $\text{Bq kg}^{-1}$ ) and the number of participants.

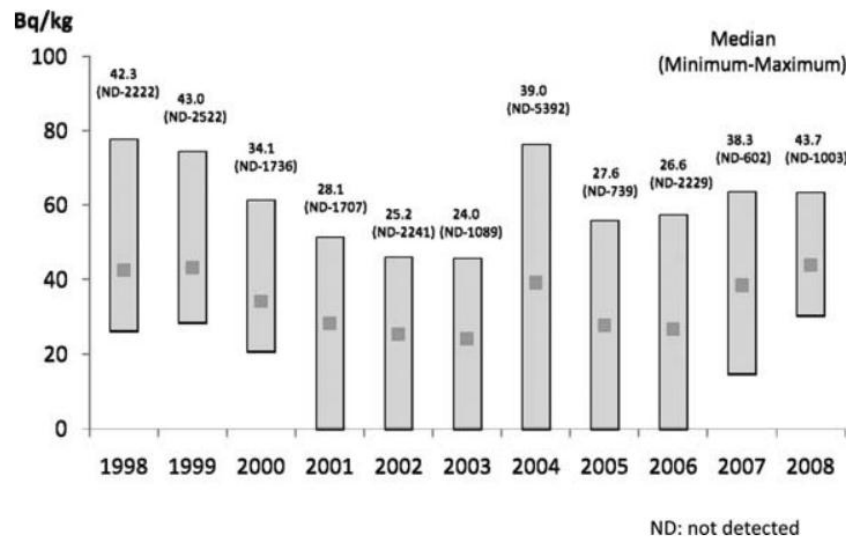
	1998-2001	2002-2005	2006-2008
March to May	<u>34.6</u> (ND-2154.9) 10 993	<u>27.3</u> (ND-5392.2) 18 722	<u>32.0</u> (ND-1757.1) 9284
June to August	<u>71.5*</u> (ND-399.0) 265	<u>32.2</u> (ND-393.0) 268	<u>21.2</u> (ND-271.1) 451
September to November	<u>40.9</u> (ND-2521.7) 9590	<u>33.5**</u> (ND-1089.3) 8999	<u>44.2***</u> (ND-2229.3) 4080
December to February	<u>33.5</u> (ND-1735.8) 8971	<u>20.6</u> (ND-607.0) 6603	<u>39.8</u> (ND-1454.3) 6404

ND, not detected. Values are median (minimum to maximum) number.

\* $p < 0.001$  vs. March to May, September to November, December to February, during 1998-2001.

\*\* $p < 0.001$  vs. March to May, June to August, December to February, during 2002-2005.

\*\*\* $p < 0.001$  vs. March to May, June to August, December to February, during 2006-2008.



チェルノブイリ事故では、10年～20年が経過した現在でも、周辺の地域では中央値約20～70Bq/kgの体内放射能（Cs-137が主核種）を有していることが、Fig.2およびTable 3から読み取れます。

Figure 2. Box and plot of  $^{137}\text{Cs}$  concentrations evaluated by whole-body counter. The ends of the box indicate the positions of the 25th and 75th percentiles of the data, and the plot in the box indicates the median.