1112-05-586 **Patrick R Devlin*** (prd41@math.rutgers.edu), Department of Mathematics, Rutgers University, Piscataway, NJ 08854, and **Jeff Kahn**, Department of Mathematics, Rutgers University, Piscataway, NJ 08854. *On "stability" in the Erdős-Ko-Rado theorem.*

Denote by $K_p(n,k)$ the random subgraph of the usual Kneser graph $K(n,k)$ in which edges appear independently, each with probability p. Answering a question of Bollobás, Narayanan, and Raigorodskii, we show that there is a fixed $p<1$ such that a.s. (i.e., with probability tending to 1 as $k \to \infty$) the maximum independent sets of $K_p(2k+1,k)$ are precisely the sets $\{A \in V(K(2k+1,k)) : x \in A\}$ (where $x \in [2k+1]$). We also complete the determination of the order of magnitude of the "threshold" for the above property for general k and $n \geq 2k+2$. This is new for $k \sim n/2$, while for smaller k it is a recent result of Das and Tran. Joint work with Jeff Kahn. (Received August 11, 2015)