1108-32-147 **Jeffery D McNeal*** (mcneal.28@osu.edu). Percolation of closed range for $\bar{\partial}$.

We will discuss the following result: if Ω is a domain in \mathbb{C}^n and $\bar{\partial}$ has closed range (in L^2) at the level of (0,q)-forms, then it also has closed range at the level of (0,q+1)-forms. This fact holds in general, without assuming Ω is bounded, pseudoconvex, or has smooth boundary. The result is somewhat remarkable as stronger-than-closed range estimates on $\bar{\partial}$, e.g. subelliptic estimates, do not automatically flow up the $\bar{\partial}$ -complex in this manner. (Received January 08, 2015)