Let $k$ be a perfect field of characteristic $p$. An abelian variety $A$ over $k$ is said to be ordinary if its $p$-torsion, $A[p](k)$ is the largest possible. We ask the following question: what is the probability that a curve has ordinary Jacobian? We answer this for certain families of curves, including Artin-Schreier and superelliptic curves. (Received September 16, 2019)