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Erdős, Paul; Hindman, N.
Enumeration of intersecting families. (In English)
Discrete Math. 48, 61-65 (1984). [0012-365X]

If $n = [n/2]$ then the base 2 logarithm of the number of maximal intersecting families on m elements is asymptotically $\binom{m-1}{n-1}$. The upper bound is deduced from an estimate by Kleitman-Markowsky on the number of Sperner systems.

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05C65 Hypergraphs
05A05 Combinatorial choice problems
05C35 Extremal problems (graph theory)

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Boolean functions; maximal intersecting families; number of Sperner systems