

Poker Odds Chart — Outs & Equity

POKERPRO.TOOLS

Texas Hold'em drawing odds · exact percentages from unseen-card combinatorics (47 unseen on the flop, 46 on the turn)

THE RULE OF 2 AND 4 — equity in your head, in one second

On the flop (2 cards to come)

Outs x 4 = Equity %

Example: 9 outs x 4 = 36% (exact: 35.0%)

On the turn (1 card to come)

Outs x 2 = Equity %

Example: 9 outs x 2 = 18% (exact: 19.6%)

Odds of hitting your draw, by number of outs

Outs	Typical draw	Flop to turn	Turn to river	Flop to river	Rule of 4
1	—	2.1%	2.2%	4.3%	4%
2	Pocket pair to set	4.3%	4.3%	8.4%	8%
3	One overcard	6.4%	6.5%	12.5%	12%
4	Gutshot straight draw	8.5%	8.7%	16.5%	16%
5	Pair to two pair or trips	10.6%	10.9%	20.4%	20%
6	Two overcards	12.8%	13.0%	24.1%	24%
7	Set to full house or quads	14.9%	15.2%	27.8%	28%
8	Open-ended straight draw	17.0%	17.4%	31.5%	32%
9	Flush draw	19.1%	19.6%	35.0%	36%
10	Gutshot + two overcards	21.3%	21.7%	38.4%	40%
11	OESD + one overcard	23.4%	23.9%	41.7%	44%
12	Flush draw + gutshot	25.5%	26.1%	45.0%	48%
13	—	27.7%	28.3%	48.1%	52%
14	—	29.8%	30.4%	51.2%	56%
15	Flush draw + OESD	31.9%	32.6%	54.1%	60%

Key flop probabilities

Situation	Probability	Frequency
Flopping a set (with pocket pair)	11.8%	~1 in 8.5
Flopping two pair (unpaired hand)	2.0%	~1 in 50
Flopping a flush (suited cards)	0.84%	~1 in 119
Flopping a flush draw (suited)	10.9%	~1 in 9
Flopping at least a pair (unpaired)	32.4%	~1 in 3
Flopping a straight (connected cards)	1.3%	~1 in 77
Flopping an OESD	9.6%	~1 in 10.4
Complete miss (no pair, no draw)	~33%	~1 in 3

Starting hand probabilities

Hand	Prob.	Frequency
Any Ace	15.3%	~1 in 6.5
Pocket Pair	5.9%	~1 in 17
Specific Pair (e.g. AA)	0.45%	~1 in 221
AKs	0.30%	~1 in 332
AK (suited or off)	1.2%	~1 in 83
Suited Cards	23.5%	~1 in 4.3
Suited Connectors	3.9%	~1 in 25.6
Premium (AA-JJ, AK)	3.6%	~1 in 28

Equity needed to call (pot odds)

Bet size	Pot odds	Equity req.
1/4 pot	5 : 1	16.7%
1/3 pot	4 : 1	20.0%
1/2 pot	3 : 1	25.0%
2/3 pot	2.5 : 1	28.6%
3/4 pot	2.33 : 1	30.0%
Full pot	2 : 1	33.3%
1.5x pot	1.67 : 1	37.5%
2x pot	1.5 : 1	40.0%

Full tables, worked pot-odds examples and FAQ: pokerpro.tools/tools/odds-chart