

Hardrock Hundred 2022, Lottery Chances

The following pages show the chances of getting into Hardrock for applicants with a particular number of tickets in each lottery. These distributions have been calculated using my Monte Carlo program, which simulates a million lotteries.

These results require some explanation, as the Hardrock lottery is even more complicated this year than usual. For 2022, we have allocated 65 entry slots to the Nevers, 55 entry slots to the Elses, and 25 entry slots to the Veterans. However, we offered to deferred entry to last year's international entrants, due to COVID travel restrictions. Eighteen such runners are thus entered into the 2022 Hardrock outside of the lottery. Their distribution between the Never/Else/Veteran lotteries is 12/5/1.

The individual male and female winners of Hardrock also get to bypass the lottery the next year. Both of last year's winners would have been in the Else lottery this year.

In addition, I have chosen to subtract out Dale's Picks from this year's lottery calculation. There are six of these. We don't know who they will be or what lottery they will come from, but I have made the reasonable assumption that four of them will be from the Never lottery and two will be from the Else lottery.

All of these entrants who are bypassing the lottery need to be subtracted from the available slots. This means that, effectively, our 65/55/25 available lottery slots actually are 49/46/24.

There is also the complication of our new Gender Equity Policy, whereby we commit to having at least the same percentage of our entrant field be women as the percentage they represent of our applicant field. For 2022, this is 18%. This will increase the odds of entry for women. My modeling suggests this will be a modest increase, for example, in the Never lottery men with 4 tickets have a 1.4% chance and women with 4 tickets have a 1.7% chance. For holders of 64 tickets it is 19.9% and 24.2%. I have chosen not to present those results here for simplicity sake.

Blake Wood, Hardrock Lottery Coordinator

