Abstract of paper [1].

Assuming that the Generalized Riemann Hypothesis holds, we prove an explicit formula for the number of representations of an integer as a sum of $k \geq 5$ primes. Our error terms improve by some logarithmic factors an analogous result by Friedlander & Goldston (1997).

References

[1] A. Languasco and A. Zaccagnini. Sums of many primes. *J. Number Theory*, 132:1265–1283, 2012.