Genotype Frequency: Ratio of number of individuals of a given phenotype to the total population.

There is inherent difference between allele frequency and genotype frequency:

Let allele frequency = f

Let Genotype frequency be represented by G

Consider diploaid specied (some pink flower) with alleles $'Rw'$

30 flowers with RR

20 flowers with Rw

50 flowers with ww

$f(w) = \frac{Rw+2*(ww)}{2*RR+2*ww+2*Rw}[\frac{Numberofalleles}{Totalalleles}]$

On the other hand, the genotype freuqcy is :

$$g(Rw) = \frac{Rw}{Rw + RR + ww}[\frac{Genotype}{Totalpolpulation}] \tag{1}$$

Thus genotpyic frequency is an indicative of richment of population in terms of a particular genotype.In our case the $g(Rw)$ is $\frac{30}{100}$