

Medical Genetics Summaries (MGS)

Free and growing collection of clinical pharmacogenetics summaries. Each summary reviews one drug, its use and metabolism, the genetic variants that influence how an individual may respond to the drug and aggregates therapeutic guidelines from authoritative sources.

FAST FACTS FOR BUSY CLINICIANS

- Therapeutic Recommendations based on Genotype from the FDA drug label, medical and professional societies including CPIC, DPWG, ACMG, ASCO
- Introduction gives a clinical context
- Summarize latest research and evidence for easy consultation at point-of-care
- Synthesize drug and gene information
- Genetic testing strategies and links to relevant available tests in the NIH Genetic Testing Registry (GTR®)
- Nomenclature table that translates all naming conventions of relevant alleles and links to ClinVar and dbSNP



STANDARDIZED FORMAT



Introduction



Gene(s)



Therapeutic Recommendations based on Genotype excerpted from FDA, CPIC and other authoritative sources



Drug



Genetic Testing



Nomenclature - allele translation table including star alleles and HGVS

MGS CHAPTERS

- Codeine
- Tramadol
- Irinotecan
- Tamoxifen
- Pertuzumab
- Flurouracil
- Thioguanine
- Trastuzumab
- Capecitabine
- Mercaptopurine
- And many, many more...



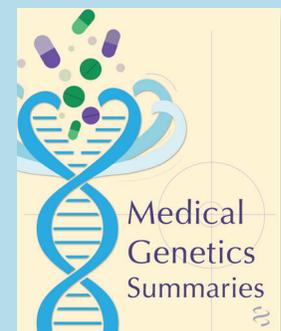
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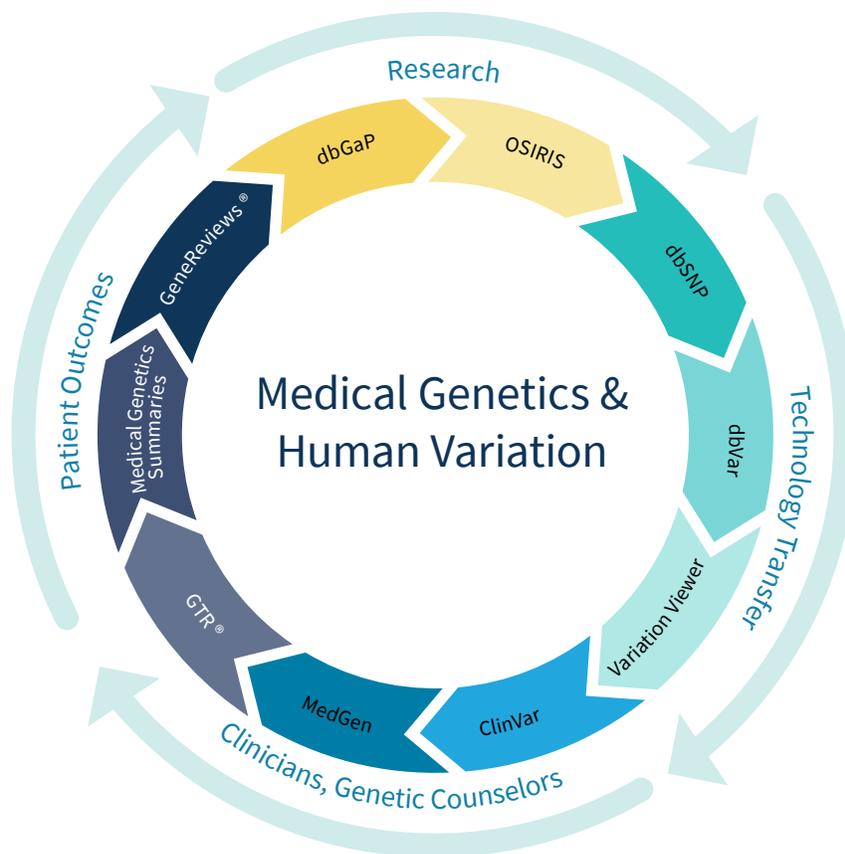
MGS VIDEOS:

Medical Genetics Summaries

Overview: <https://youtu.be/rCD-YmVj6S4>

Pharmacogenetics: <https://youtu.be/4Mhzv8LQTa0>





ClinVar

user-submitted database for information about genomic variation and its relationship to human health.



dbGaP

database for genotype and phenotype research studies.



dbSNP and dbVar

databases of small and large genomic variants including both common variations and clinical mutations.



GTR[®]

provider-submitted database of clinical and research molecular, cytogenetic and biochemical genetic tests and supporting information.



MedGen

aggregates information from and provides access to authoritative medical genetics resources.



Medical Genetics Summaries and GeneReviews[®]

up-to-date, peer-reviewed, medically actionable summaries for heritable diseases and pharmacogenetics.



OSIRIS

Open source short tandem repeat (STR) analysis tool for forensic, clinical and research use.



Variation Viewer

interactive browser for examination of nucleotide variants in a genomic context.