

# Resource Summary Report

Generated by [dkNET](#) on Aug 15, 2026

## ped-sim

RRID:SCR\_026957

Type: Tool

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### Proper Citation

ped-sim (RRID:SCR\_026957)

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### Resource Information

**URL:** <https://github.com/williamslab/ped-sim>

**Proper Citation:** ped-sim (RRID:SCR\_026957)

**Description:** Software tool to simulate pedigree structures. Used for simulating relatives that can utilize either sex-specific or sex averaged genetic maps and also either model of crossover interference or traditional Poisson model for inter-crossover distances.

**Synonyms:** Ped-sim

**Resource Type:** source code, software application, simulation software, software resource

**Defining Citation:** [PMID:31860654](#)

**Keywords:** Pedigree simulator, simulate pedigree structures, simulating relatives, sex-specific, sex averaged, genetic maps,

**Funding:** NIGMS R35 GM133805;  
Alfred P. Sloan Research Fellowship ;  
United States-Israel Binational Science Foundation ;  
NHLBI R01 HL0113323;  
NHLBI P01 HL045222;  
NIDDK R01 DK047482;  
NIDDK R01 DK053889;  
NIGMS T32 GM007617;  
NIGMS T32 GM083937;  
Wellcome Trust

**Availability:** Free, Available for download, Freely available

**Resource Name:** ped-sim

**Resource ID:** SCR\_026957

**License:** GNU GPL v3

**Record Creation Time:** 20250517T055756+0000

**Record Last Update:** 20260815T183256+0000

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## Ratings and Alerts

No rating or validation information has been found for ped-sim.

No alerts have been found for ped-sim.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Williams AL, et al. (2026) The rate of identical-by-descent segment sharing between close and distant relatives. HGG advances, 7(2), 100576.

Avadhanam S, et al. (2025) Phase-free local ancestry inference mitigates the impact of switch errors on phase-based methods. G3 (Bethesda, Md.), 15(8).

Tillmar A, et al. (2025) Comparative Study of Statistical Approaches and SNP Panels to Infer Distant Relationships in Forensic Genetics. Genes, 16(2).

Caballero M, et al. (2019) Crossover interference and sex-specific genetic maps shape identical by descent sharing in close relatives. PLoS genetics, 15(12), e1007979.