

## COSMIC Actionability v13 - Release Notes

COSMIC Actionability is a vital tool for anyone working in precision oncology. Our expertly curated database details the development, approval and of drugs targeting specific somatic mutations in cancer. We integrate data from case studies, clinical trials, and regulatory bodies to represent a full picture of the current precision oncology pipeline.

Actionability has three core units: mutation, disease and drug. By capturing relations between these units, we identify existing and upcoming drugs that target specific genetic variants in different cancer types.

COSMIC's trusted expert-curation process is embedded within Actionability, and genomic\_mutation\_IDs can be used to link Actionability records to core COSMIC records<sup>1</sup>. Releases of Actionability occur more frequently than COSMIC to better reflect the rapid pace of global precision oncology. Actionability is a cutting edge 'living-tool' and the data is intended to be as up to date as possible.

Actionability downloads are free for Academic Non-Commercial Use\* via COSMIC or available to purchase and download from QIAGEN. A taster file of EGFR data can be accessed [here](#)

If you'd like to know more about the curation process behind Actionability and how to use the data please view our: [Actionability: Tutorial and Demo](#)

*\*Please see full terms and conditions of commercial and non-commercial use on our [licensing pages](#).*

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<sup>1</sup> Additional information can be found in the README file that accompanies each release

## UPDATES

COSMIC Actionability v13 includes the following additional fully-curated genes:

AMER1\*

BRD4

CALR

CDKN2C

GATA3

RAD51C

SOS1

SRC

\*no relevant clinical data was identified (as of August 2024)

The full list of **171\*\*** curated genes can be viewed on the [About](#) page on the Actionability website. All previously-recorded clinical trials have been checked for new or updated results.

\*\*some with no relevant clinical data identified (as of August 2024)

## ACTIONABILITY STATISTICS - V13

<b>171***</b>	Genes fully curated (+9)
<b>547</b>	Genes included (+4)
<b>2136</b>	Drugs (+50)
<b>5938</b>	Treatment combinations (+195)
<b>6625</b>	Trials with results (+473)
<b>6275</b>	Trials with no results (-42)
<b>12900</b>	Total trials (+431)
<b>8159</b>	Evidence from trial databases (-67)
<b>4741</b>	Evidence from PubMed & others (+498)
<b>12900</b>	Total Sources (+447)
<b>151</b>	Point Mutations (+1)
<b>1179</b>	Total Variants (+49)

\*\*\*some with no relevant clinical data identified (as of August 2024)

## ACCESSING ACTIONABILITY - T&CS

From Actionability v7 onwards releases are made freely available for non-commercial use. Please see our terms for clarification on commercial/non-commercial use.

Please make sure you read and understand whether you count as commercial via our [licensing page](#)

If you are using COSMIC Actionability for non-commercial purposes, you can register for an account and download the data directly from [COSMIC](#) (<https://cancer.sanger.ac.uk/cosmic/download>)

To access COSMIC Actionability for commercial use, please contact our Commercial Distribution Partner [QIAGEN](#)