BizInt Smart Charts

Patents | Drug Pipelines | Clinical Trials | Sequences

"You Don't Know What You're Missing"

Evaluating Competitor Clinical Trials with the BizInt Smart Charts Product Family

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Diane Webb, President

Barbara Gilmore, Application Consultant
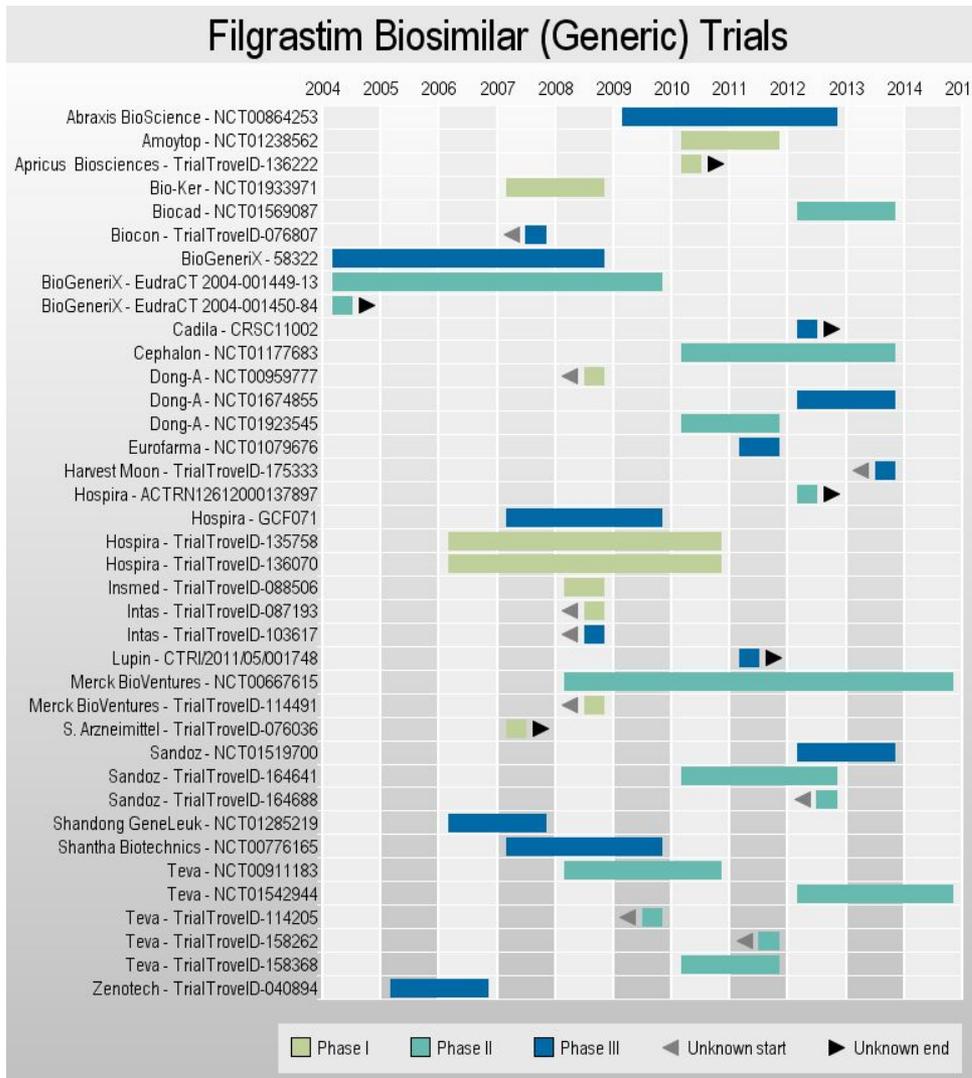
New additions to the BizInt team

Matt Eberle
Product Specialist
Formely at Wyeth,
Pfizer, Sunovion

Barbara Gilmore
Application Consultant
Formerly Genentech, Kai

BizInt Smart Charts takes your search results

Patents | Drug Pipelines | Clinical Trials | Sequences

…and automatically builds summary tables.

Patents | Drug Pipelines | Clinical Trials | Sequences

*Combining results
from different databases.*

	Drug	Common Drug Name	Database	Synonyms	Highest Phase	Companies	Last Update
1		Pretium					
2	Pretium XGS	Pretium	Loreet Sem	Varius auctor Diam gravida XS-2	Phase2	Lobortis Turpis Aliquam Sodales	2012-10-01
3	Sollicitudin 4S	Sollicitudin	Donec	Quam diam Augue dui	Phase 3	Egestas Condimetum Lobortis Turpis	2011-12-07
4	Sollicitudin	Sollicitudin	Elifend-UR	Quam diam Augue dui Aenean id lectus	Phase 3	Egestas Condimetum	2011-06-07
5	Etiam Mollis	Etiam Mollis	Loreet Sem	Adiscing Proin Mattis Faucibus lasculus	Phase 3	Condimetum Erat	2012-01-13
6	Etiam Mollis	Etiam Mollis	Elifend-UR	Adiscing Et Sec Proin Mattis Faucibus	Phase 2	Condimetum Erat	2012-01-13
7	Toror Felis	Toror Felis	Donec	Aenead lectus purus Nulla sit amet Quisque placerat 2A	Phase 2	Loareet	2011-06-03
8	Toror Felis III	Toror Felis	Loreet Sem	Aenead lectus purus Quisque placerat	Phase 2	Loareet	2011-06-03
9	Consectetur	Consectetur	Donec	Purus non uma Ligula est Quam sem ac	Phase 3	Lobortis turpis	2012-03-01
10	Consectetur 2A	Consectetur	Nullam	Purus non uma Ligula est Quam sem ac	Phase 3	Lobortis turpis	2012-03-01

And, helps you create visualizations.

NEW!

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Creating a trial timeline…

Filgrastim Biosimilar (Generic) Trials

…to identify competitor companies working on generic filgrastim biosimilars to benchmark potential product launch timing.

bizcharts.com/slides

Task 1: Search the trial databases

- Searched two clinical trials databases:
    - Citeline TrialTrove (TT)
    - ClinicalTrials.gov (CT.gov)
- Searched: Drug = Filgrastim

Task 2: Import and combine search results

BizInt Smart Charts

for Drug Pipelines | 3.6

- **Import** search results from TrialTrove and CT.gov
- **Combine** results into single report.
- Use **Identify Common Trial ID tool** to identify related trials across databases.
- Select the **columns** to display in the trial timeline (title, phase, sponsor, completion date, start date)

Task 3: Select the trial start and end dates

Filgrastim Biosimilar (Generic) Trials
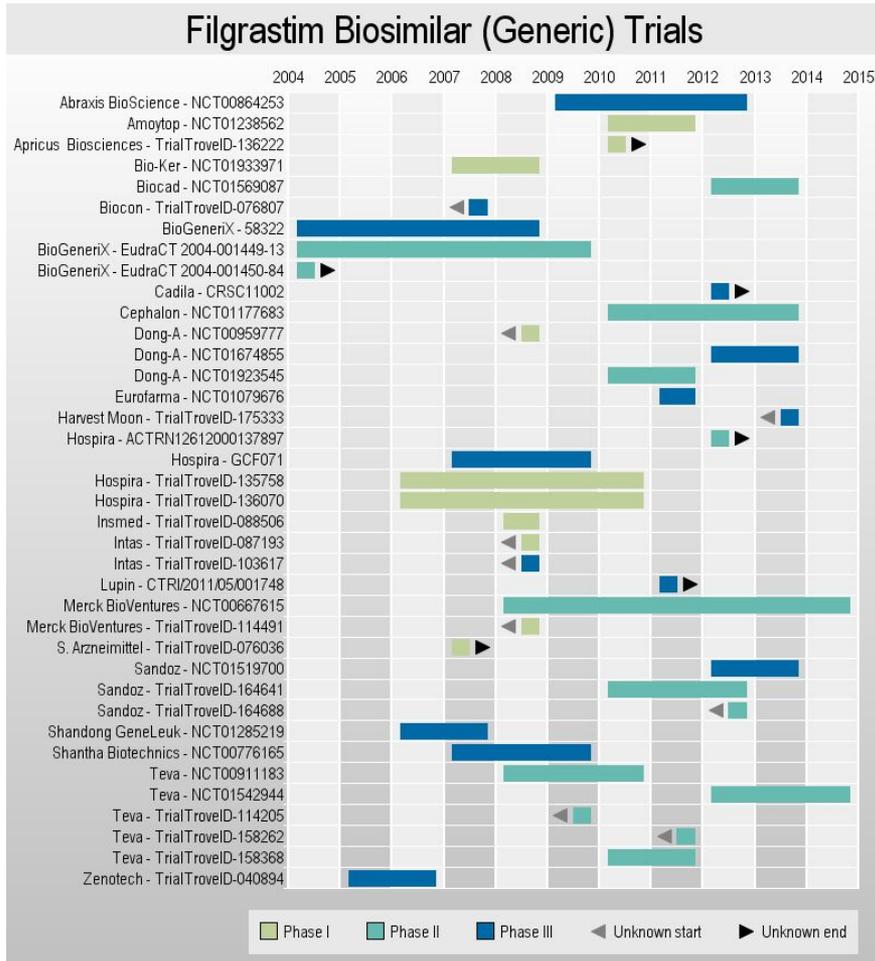
Need a trial **start and end date** for the timeline.
Cannot always find this information in the data.
And sometimes the trial is ongoing.

TrialTrove: Available Date Information

TrialTrove "date" information includes trial "Start Date" and "Primary Endpoints Reported" date.

CT.gov: Available Date Information

CT.gov date fields include "Start Date," "Completion Date" and the "last change date" for the record.

Task 3: Select the trial start and end dates

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Reference Rows™

- Merge data from different records for the same trial
- Use the Start Date from one record and the End Date from another.

Column Rule - Start Date

Start Date
Choose how Reference Rows will select data for this column.

Selection Rule: Earliest Date

> Earliest Date
> Latest Date
> Most Content (characters)
> Least Content (characters)
> Most Content (lines)
> Highest Development Phase
> Most Recently Updated
> Match Column
> Highest Number
> Lowest Number
> Closest to Zero

Match column:

...es and selects the

Database Ranking for

ClinicalTrials.Gov
Citeline TrialTrove

Move Up

Move Down

OK   Cancel

Use the "Earliest Date" rule to select the Start Date.

Task 4: Data necessary for the timeline

vantage point
BizInt Smart Charts
Edition

- **Start and end <u>years</u>** for each trial timeline bar
  (2012-04-01, April 2008, 2013, 31 May 2006)
- **Trial phase** to color-code each trial
  (I, II, Phase 1, Phase 2, Phase 1/Phase 2)
- **Company name and trial ID** to label each trial.
  (e.g. Teva NCT00911183)

Extract the Year from each start/end date

Clean-up the Trial Phase terminology

Append the Company to the Trial ID field

Task 5: Generate the trial timeline

Now we can assess the trial landscape…

Filgrastim Biosimilar (Generic) Trials
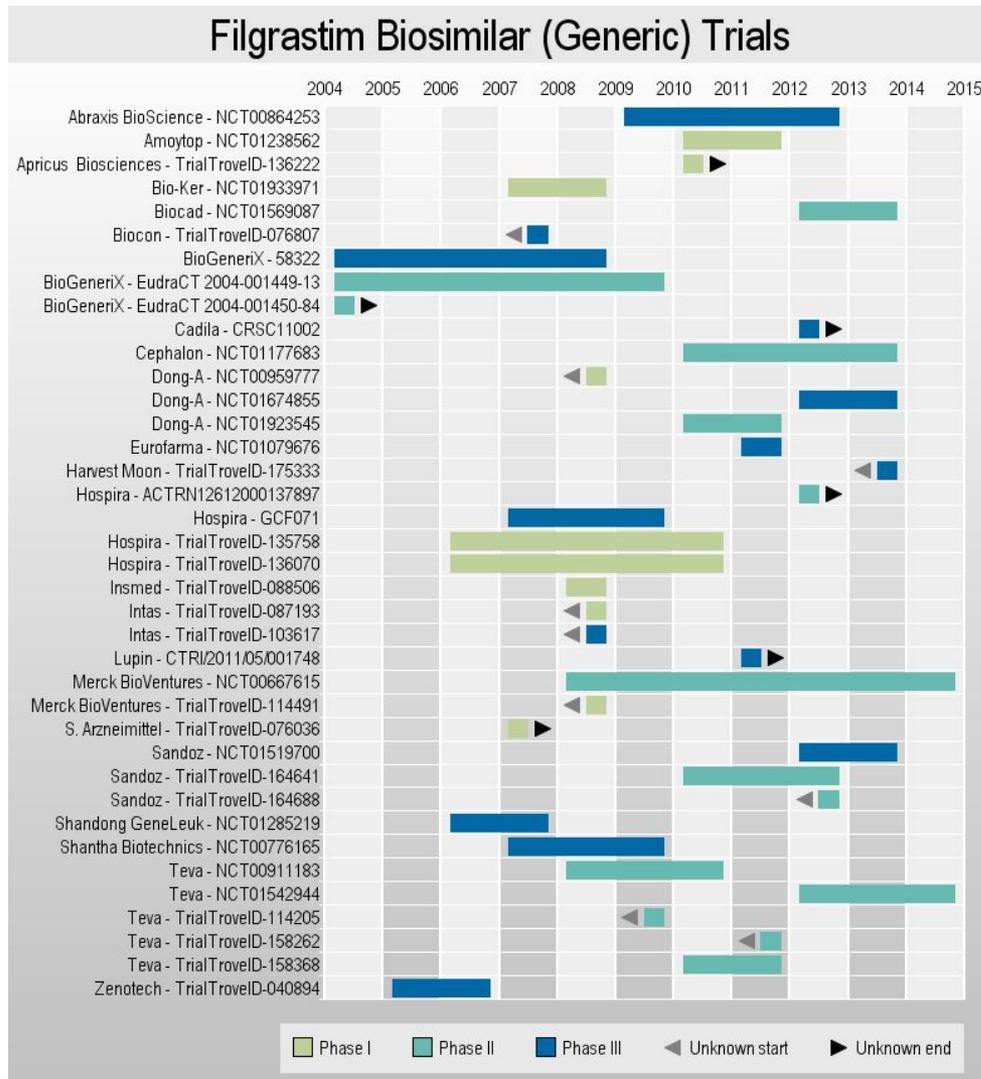
+ Data captures from different sources builds best picture
+ Identify trial milestones
+ Understand trial landscape before trials appear in conference papers & proceedings
+ Look for Phase 3 trial completion to focus your competitive intelligence searches for filing & launch information

What if we searched only TrialTrove?

Filgrastim Biosimilar Trials (TrialTrove)
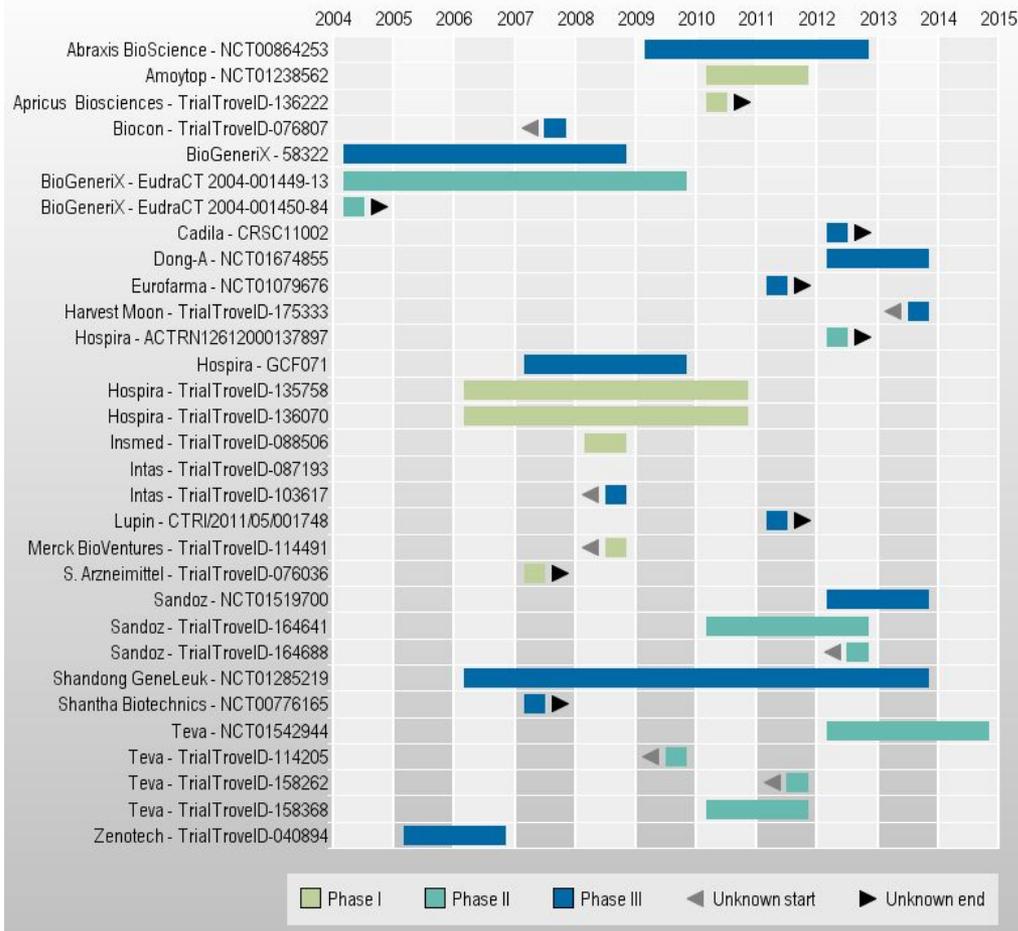
* TrialTrove has broad coverage of global trial registries
* TrialTrove does not consistently provide trial end dates.
* Missed trials unique to other sources

What if we searched only CT.gov?

Filgrastim Trials - clinicaltrials.gov

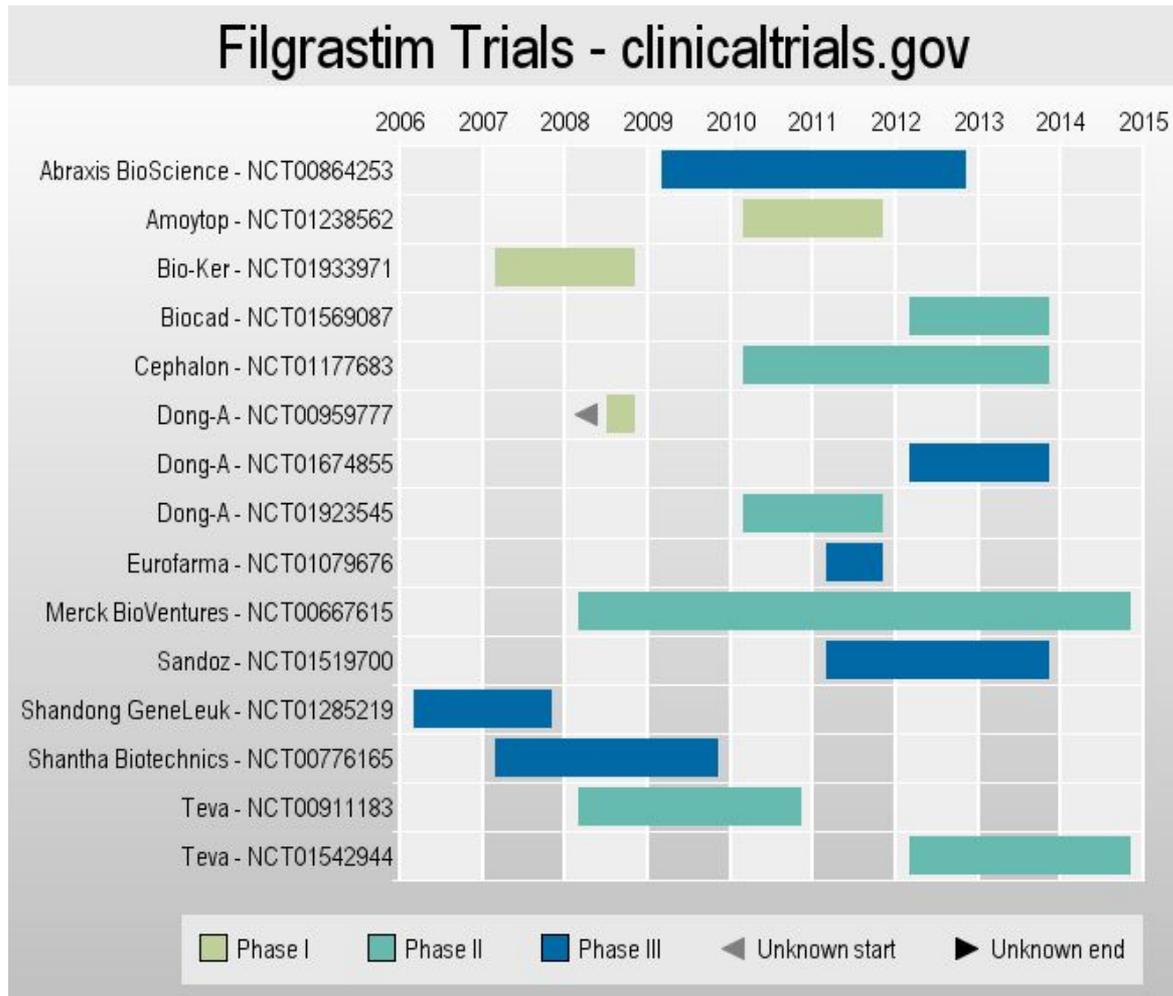|	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Abraxis BioScience - NCT00864253										
Amoytop - NCT01238562										
Bio-Ker - NCT01933971										
Biocad - NCT01569087										
Cephalon - NCT01177683										
Dong-A - NCT00959777										
Dong-A - NCT01674855										
Dong-A - NCT01923545										
Eurofarma - NCT01079676										
Merck BioVentures - NCT00667615										
Sandoz - NCT01519700										
Shandong GeneLeuk - NCT01285219										
Shantha Biotechnics - NCT00776165										
Teva - NCT00911183										
Teva - NCT01542944										

Legend: Phase I, Phase II, Phase III, ◄ Unknown start, ► Unknown end
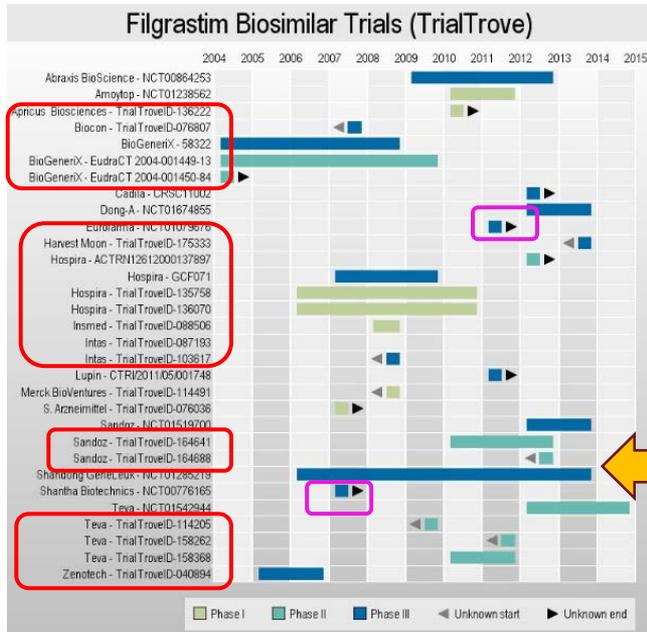
* ClinicalTrials.gov is a US based and produced registry, with some global information.
* CT.gov filgrastim search identified 3 companies not picked up in TrialTrove.

We would miss significant trial data!

Filgrastim Biosimilar Trials (TrialTrove)

Filgrastim Trials - clinicaltrials.gov

Filgrastim Biosimilar (Generic) Trials
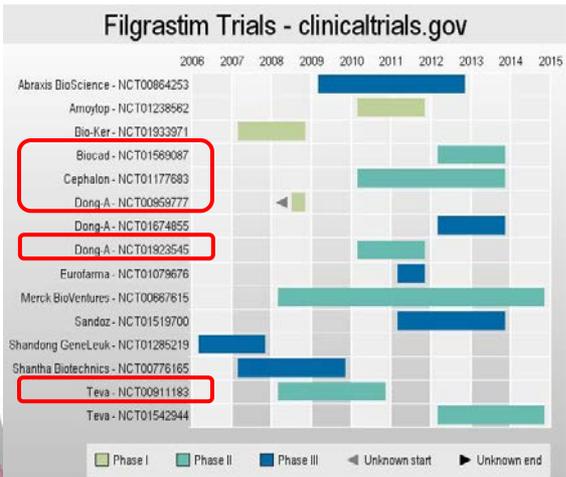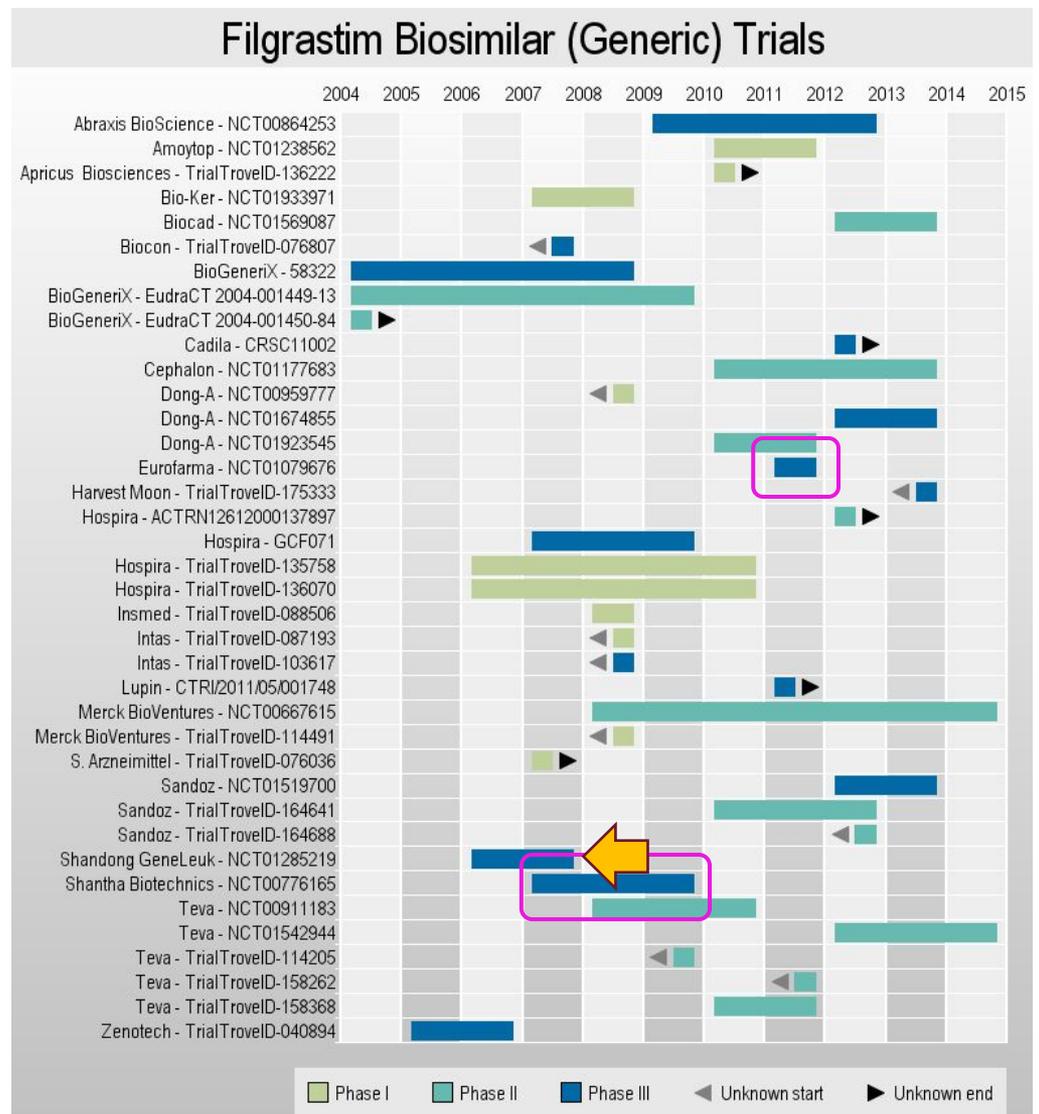
You Don't Know What You're Missing!

- No single database provides complete trial coverage.
- Even if field exists in a given database, it is not always populated.
- Database content can overlap – duplicate trial records can have different content.
- If you search multiple databases, you can capture more complete trial information.
- And you are in a better position to anticipate competitor milestones & product launches.

More sources could yield even better results

- **Adis Clinical Trials Insight**
- **Cortellis Clinical Trials Intelligence** (just announced)
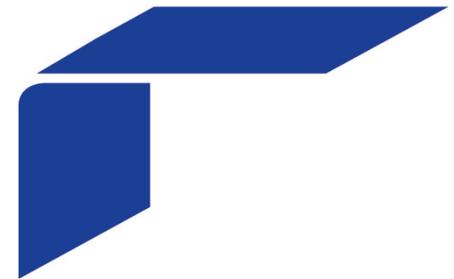- **European Clinical Trials Database** (*EudraCT*)
- And more…

Come by our stand
to see the Cookbook!

bizint.com/Cookbook