





# Future of clinical trials in Germany and impact of Brexit

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tainty and delays at based organisations. borders after a "no deal" Brexit will result in industry also faces real probshortages of approved medicines which are shipped companies can't deliver matefreely without any trade bar- rials used in ongoing clinical riers across the UK and EU.

According to the press release in Feb 2019, Germany's course, this could delay regu-Federal Institute for Drugs and latory approvals, but for the registration in the European Medical Devices (BfArM) has warned that it could suspend trials, it could have serious Germany. This ongoing uncer-1,300 clinical trials in the event of a no-deal Brexit.

the UK and there are stipulations in the Medicinal Products Act (AMG) about who subject to the agreement on deal Brexit." the European Economic Area. Moreover, with the prevail- mainly features clinical trial

Under AMG, BfArM will then be legally obligated to order HERE'S a real concern the suspension of clinical trithat regulatory uncer- als sponsored by the UK-

> lems if Brexit goes through, If individual patients enrolled in immediate consequences.

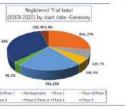
The warning reflects the fact enrolled in late stage oncology als in Germany since the last that the sponsors of many trials that are really relying on decade. studies are still registered in the investigational products, missing a shipment and a Phase wise clinical trial patient dosing can be a major classification in Germany disaster for the patient. The can run trials in Germany. clinical supplies industry, Clinical trials of non-German from sponsors to clinical sup- for nearly 50 per cent of Gersponsors i.e. UK are allowed plies organisations, are workonly on a conditional basis by ing continuously to finding the Germany's clinical trial ways to make sure this does regulatory act (AMG) and not happen as a result of a 'no trials are also in the "not appli-



ing uncertainty on the "No trials, then there's a risk that Deal Brexit", sponsor compapatients could miss doses. Of nies of clinical trials are now exercising caution with trial and union countries particularly in tainty is the primary reason for For example, for patients the "slowdown" of clinical tri-

Phase 2 and phase account many's clinical trial market since the last 17 years.

Around 27 per cent of clinical cable" category. This category



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asive clin	ical tri	al acti	vities			
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yearly trend since 2012. Trends in registered clinical

## trials in Germany by enrolment criteria

The total number of regisually on the rise on account of tered volunteers in all phases

Correctly registered trials by: Full-ding type Transla									
Hidostry	44	1.06	3.10	239	253	394	455	3377	1500 F
Other	30	38	56	93	253 128	180	220	377	580
Other [in-hat/y	1.4	0	1.9	33	546 6413	100	94	29	225
Grand Yestal	94	163	210	37.7	-6413	613	731	ARI	1255

Note: Funding type categories account for 95 % of the total trials since 2003

the changing face of the popu- of clinical trials in Germany the "not applicable" category Nearly 10-lakh registrations of clinical trials have witnessed an incremental growth of 50 to 80 trials per year since the last

### Trends in clinical trial funding in Germany

Industry sponsored clinical trial growth in Germany doubled by nearly 100 per cent in the year 2015 over 2014 and remained steady till 2016. From the year 2016 onwards, nearly 60-100 trials have been falls third in the list of total regregistered year on year. istered volunteers (1.25 lakh Industry sponsored trials from the year 2003 -2019) for account for more than 60 per the total no of active particicent of the total registered trials in Germany

Clinical trials in Germany are also classified in to registered trials which are active and recruiting, recruiting, yet recruiting and recruitment by invitation.

Out of the above categories, recruiting trials are the highest (Total=1991) out of the 3355 registered clinical trials in Germany. Non-Invasive trials (diagnostic, procedural, train-Phase 3 since the year 2012. clinical trials in Germany. Phase 2 clinical trials ranks third in registered clinical tri- trials in Germany are als by recruitment rate in the

lation, less hurdles in regulato- from the year 2003 to 2019 has ry approvals, etc. The trends in crossed the 17-lakh mark. volunteers in clinical trials in Germany has taken in the Phase 3 clinical trials category starting from the year 2003. Five lakh registered volunteers feature in the "not applicable" category which involve diagnostic, procedural, training oriented, etc techniques. Registration of volunteers in this category of clinical trials is greater than One lakh per year since the year 2017. Phase 2 pants in Germany.

### Top sponsors in German clinical trial market

Top five sponsors in Phase 1 trials in Germany are Novartis active but not recruiting, Not (28), Boehringer Ingelheim(20), Bayer(10), Amgen (8), Janssen Research & Development(8), LLC, Hoffmann-La Roche (7) in the years starting from 2012 to 2019. This means the average registration of Phase 1 clinical trials in Germany since the last 7 years by ing oriented, etc) show a rising the top five sponsors is less trend in active recruitment than five per year. Total numsince 2012 in the "not applica- ber of registered clinical trials ble" category. The number of from the year 2015-2019 are clinical trials in terms of 222. The top five sponsors recruitment status are the sec- account for 36 per cent (81) of ond highest as a trend for the total registered phase 1

Top five sponsors in Phase 2

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A SPECIAL SUPPLEMENT

# New rules designed to reduce administrative burdens

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Squibb (19), Boehringer Ingel- (33), AstraZeneca (29), Bristolheim (14), Hoffmann-La Roche Myers Squibb (26), Janssen (14), Janssen Research & Research & Develop-Development, LLC (13), Cel- ment (24), LLC and gene (12), AstraZeneca (11) Merck Sharp & Dohme and Eli Lilly and Company (11). Total number of registered Phase 2 clinical trials in Germany are 709 from the year Germany where Novar-2015-2019. The top five sponsors account for 20 per cent the top pharmaceutical indus-(144) of the total registered try players. The top eight playphase 2 clinical trials in Ger-

The largest number of registered clinical trails by sponsor year 2012-2019. falls in the Phase 3 clinical trial category where 1119 trials have been registered from the year 2012 - 2019.

Top sponsors in the regis-

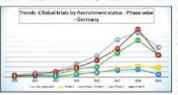
Novartis (50), Bristol-Myers (40), Eli Lilly and Company

Corp (24). Phase 3 is the only category of registered clinical trials in tis ranks second among ers account for 27 per cent (299) of the total registered phase 3 trails in Germany from the

### Registered clinical trials in Germany

Top 11 Indications which feature among the registered tritered phase 3 clinical trials cat- als in Germany are multiple egory are Hoffmann-La Roche myeloma, breast cancer, non-

(62), Novartis (61), AbbVie small cell lung cancer, atopic pose of clinical trials in Germany



and rheumatoid arthritis. These indications account for nearly 10 per cent of the total registered clinical trials in Germany from the year 2012-2019. A total of 2068 unique conditions feature in the registered clinical trials in Germany from 536/2014). The new regulation the year 2012-2019.

### Overall study design purpose ensure a greater level of harmonof clinical trials in Germany

The overall study design pur-regulation, which provides for a

dermatitis, asthma, prostate lies in the treatment category cancer, ulcerative colitis, psori- where 85 per cent of the total asis, heart failure, melanoma 3355 trials are registered from

> the year 2012 -2019. The remaining registered category of clinical trials in Germany fall under the non-invasive categories of Basic science, Device feasibility. Diagnostic, Health services research, Prevention and Screening.

isation within the EU. The new

### Future of clinical trials in EU The current clinical trial regime in the EU is due to be overhauled by the new EU Clinical Trials Regulation (No will modernise the current

als across the EU via a single por tal with an associated EU wide database, is designed to significantly reduce administrative burdens on applicants and allows for a simplified process where the investigational med-

ical product poses less risk If the UK is not within this sys tem, then this could pose extra administrative burdens on companies wishing to conduct multi-centre clinical trials in the EU and the UK. Separate centralised and national clinical trial authorisation procedures need to be followed. However. mutual recognition arrangements may be arranged to minimise any such inefficiencies framework for clinical trials and brought about by Brexit.