

R&D Head Club Clinical Trial Performance Survey in 2023

Excerpt

May 2024 [ver.1]

- This report is an excerpt from a distributed report to a R&D Head Club member company for a research discussion.
- Expenses for this report were borne by member companies of R&D Head Club.
- For the secondary use of this document, see p.45.

R&D Head Club ©

The 2023 survey questionnaire was designed, conducted, and analyzed, and this report authored, by a working group made up of representatives from the following 5 companies who were appointed by the R&D Head Club.

In addition, since the questionnaire included questions about the intellectual property of the participating companies, a third-party vendor was assigned, and all study sponsor names and study center names were masked so that the identities of the responding companies would not be known. The masked data were used for data totalization and analysis of the questionnaire.

Performance Working Group members (abc order)

| • | Astellas Pharma Inc. | CMO Office, Strategic Operations | Yoshihito Komoriya |
|---|---------------------------------|-----------------------------------|--------------------|
| • | Eli Lilly Japan K.K | Clinical Development | Hiroyuki Sato |
| • | Janssen Pharmaceutical K.K. | Global Clinical Operations Japan | Dai Kawaratani |
| ٠ | Takeda Pharmaceutical Co., Ltd. | Development Operations Excellence | Yuuji Minami |
| ٠ | Pfizer R&D Japan G.K. | Portfolio & Project Management, | Kei Yamashita |
| | | | |



- I. Participating Companies
- II. Trials Targeted and Survey Items
- III. Survey Results
 - III-1 Background
 - III-2 Enrollment
 - III-3 Cost
 - III-4 Monitoring Performance
 - III-5 Global
 - III-6 Cycle Time
- IV. Summary



The survey has been conducted since 2004. The following 21 member companies of the R&D Head Club participated in 2023 survey.

- > AbbVie GK
- > Amgen K.K.
- > Astellas Pharma Inc.
- AstraZeneca K.K.
- Bayer Yakuhin, Ltd
- > Bristol-Myers Squibb K.K.
- > Chugai Pharmaceutical Co., Ltd.
- Daiichi Sankyo Co., Ltd..
- Eisai Co., Ltd.
- Eli Lilly Japan K.K.
- GlaxoSmithKline K.K.

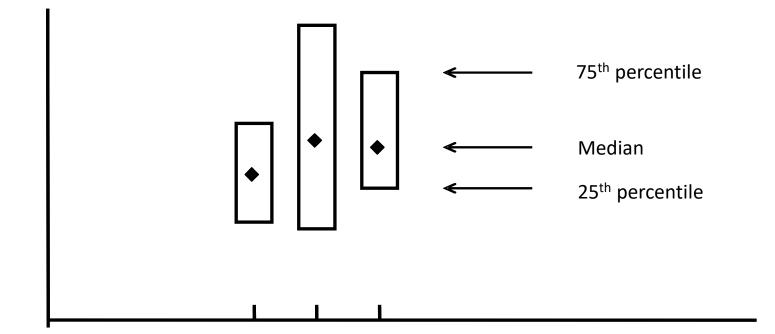
- Janssen Pharmaceutical K.K.
- > JAPAN TOBACCO INC
- > MSD K.K.
- > Nippon Boehringer Ingelheim Co., Ltd.
- Novartis Pharma K.K.
- Otsuka Pharmaceutical Co., Ltd.
- Pfizer R&D Japan G.K.
- Sanofi K.K.
- Shionogi & Co., Ltd.
- > Takeda Pharmaceutical Co., Ltd.



- The survey has been conducted since 2004, and data is currently accumulated every 2 years
- Trials targeted by 2023 survey
 - Studies completed between April 1, 2021 and March 31, 2023. (For 2 years)
 - Completed studies were regarded as completed with submission of the final report at the final study site in principle. Therefore, it should be noted that the results of the present data totalization do not include data of studies that required a long period of time to complete the study (studies that have not been completed at the time of the survey in fiscal year 2023).
 - Studies to be included were all clinical trials (including 'Oncology Phase I' and the vaccine study for healthy adults), except for the Phase4 and the healthy volunteer Phase1.
 - Data collected were comparatively investigated by dividing the period based on the starting year of each study into three segments "2013 to 2015," "2016 to 2018," and "2019 to 2022."
 - The data of the overseas sites in the global studies are used only for comparison between the global studies and the domestic studies and tabulation of the global studies in Background.

Explanation of a Figure and Box Plot





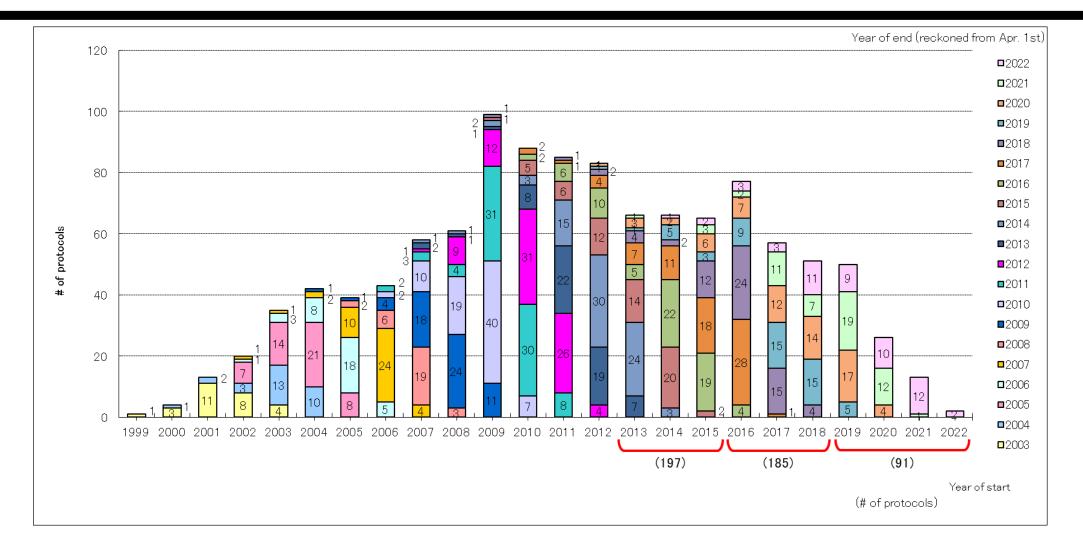
The lower and upper end of the box in the plot represent respectively 25% point and 75% point of the sample, and the diamond in the center represents 50% point (median).



III-1 Background



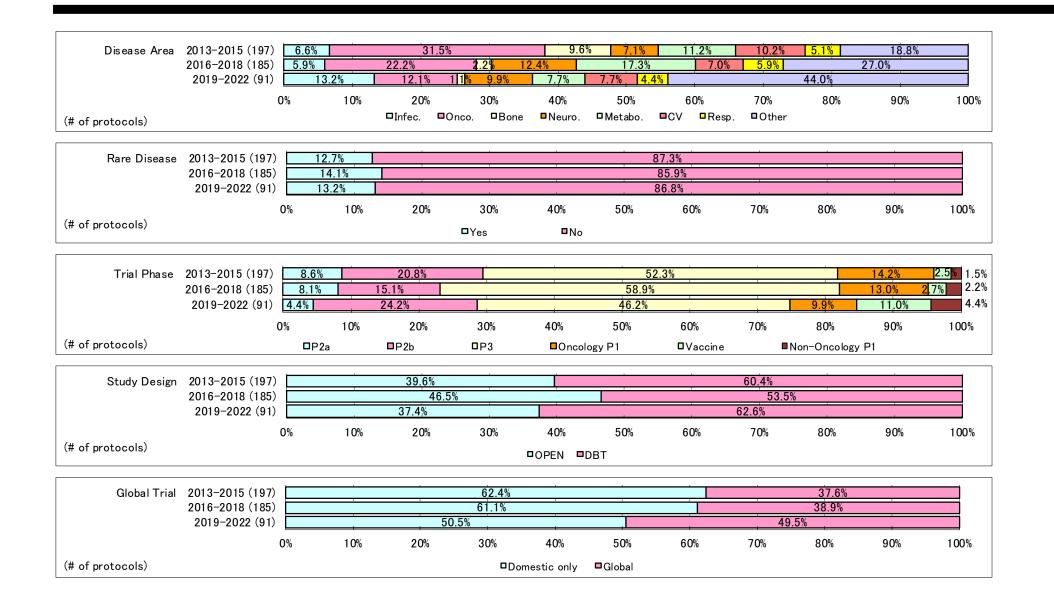
III-1-1 Number of Protocols by Starting Year and Ending Year



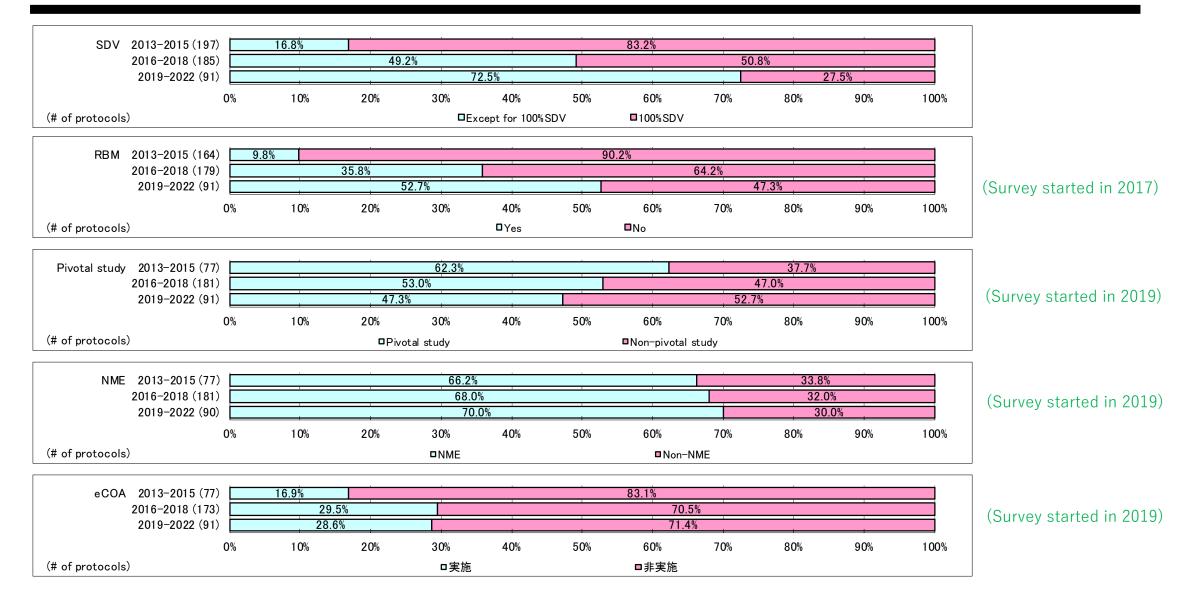
Horizontal axis: study starting year, vertical axis: number of studies by study starting year, legend label (right): study ending year

Since this survey is performed on the basis of completed studies, special attention should be paid to non-inclusion of data of studies that takes a long time to complete (i.e., studies not completed at the time of the 2023 survey) particularly in years "2019-2022." (<u>Applicable to all tables and figures follows</u>)







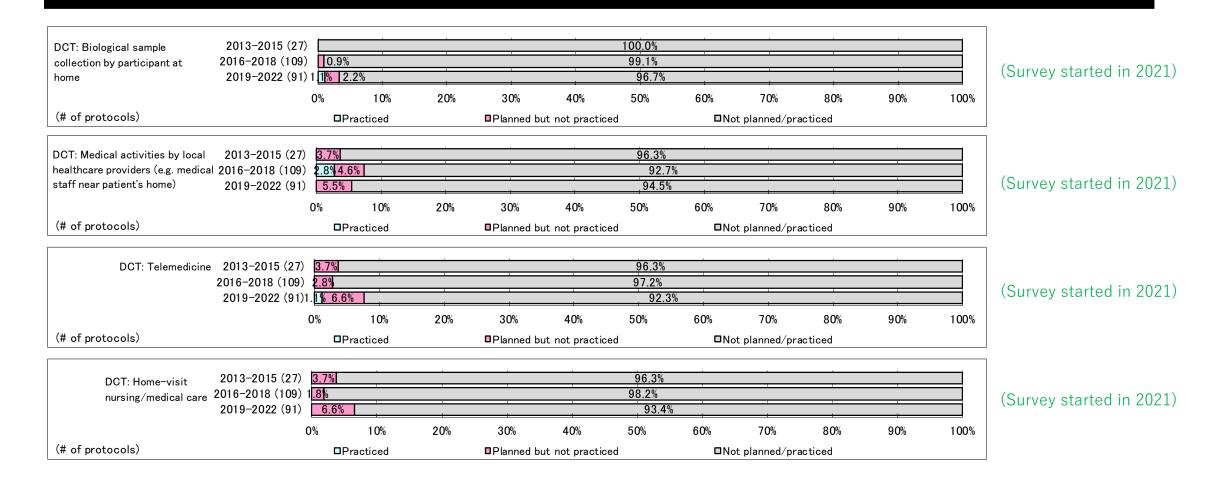




| DCT: Remote IC | 2013-2015 (27 | 7) | | | | | 100.0% | | | | | | |
|--------------------------------|----------------|-----------------------|----------|------|-------------|----------------|--------|--------------------------|---------------|---------|-----|------|------------------------------|
| | 2016-2018 (109 | | D.9% | | | | 97.2% | | | | | | (Curry over started in 2021) |
| | 2019–2022 (91 | 1) <u>3.3%</u> | 1.1% | | | | 95.6% | | | | | | (Survey started in 2021) |
| | | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% | |
| (# of protocols) | | □Pr | acticed | | ■Planned bu | t not practice | ed | □Not | t planned/pra | acticed | | | |
| DCT: ePRO/eCOA | 2013-2015 (27 | 7) 7.4 | % | | | | 92.6 | | | | | | |
| | 2016-2018 (109 | | 21.1% | | 1 | | ł | 78.9% | ; | 1 | 1 | | |
| | 2019-2022 (91 | | 19,8% | 1.1% | | | | 79.1% | | | | | (Survey started in 2021) |
| | | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% | |
| (# of protocols) | | □Pr | acticed | | ■Planned bu | t not practice | ed | □Not | t planned/pra | acticed | | | |
| DCT: Investigational materials | 2013-2015 (27 |) – | | | | | 100.0% | | | | | | |
| (device, lab kit etc.) shipped | 2016-2018 (109 | | 1 | 1 | 1 | 1 | 99.1% | | 1 | 1 | 1 | | |
| directly to home | 2019-2022 (91) | - | .1% | | | 1 | 96.7% | | | 1 | | | (Survey started in 2021) |
| | | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% | |
| (# of protocols) | | ۵P | racticed | | ■Planned b | ut not practic | ed | □No | ot planned/pr | acticed | | | |
| DCT: Investigational medical | 2013-2015 (27) |) 3.7% <mark>3</mark> | .7% | | | | 92.6 | | | | | | |
| product shipped directly to | | | | | | | | (Survey started in 2021) | | | | | |
| home | 2019-2022 (91) | | | 1 | 1 | 1 | 91. | 2% | | | | | (Survey started in 2021) |
| | | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% | |
| (# of protocols) | | □Pr | acticed | | ■Planned bu | t not practice | ed | □Not | t planned/pra | acticed | | | |

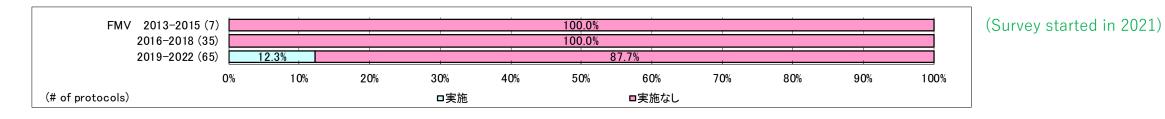
Practiced: Was planned as a study and practiced in at least 1 subject. Planned but not practiced: Was planned as a study, but not practiced. Not planned/practiced: Not planned as a study.





Practiced: Was planned as a study and practiced in at least 1 subject. Planned but not practiced: Was planned as a study, but not practiced. Not planned/practiced: Not planned as a study.



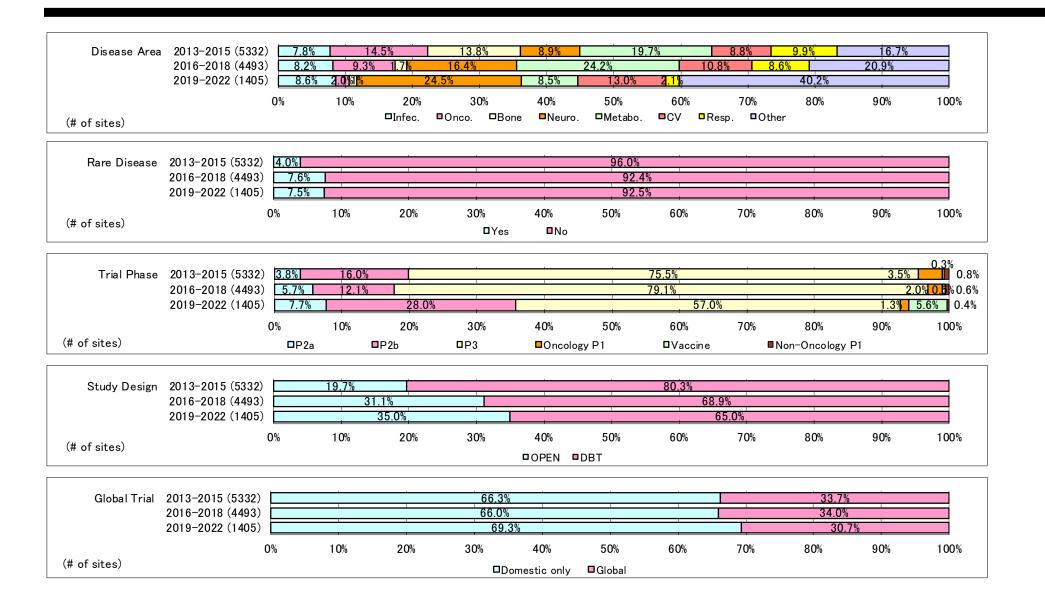


Conducted FMV, Not Conducted of FMV

FMV: Study cost calculations based on Fair Market Value (market-based pricing).

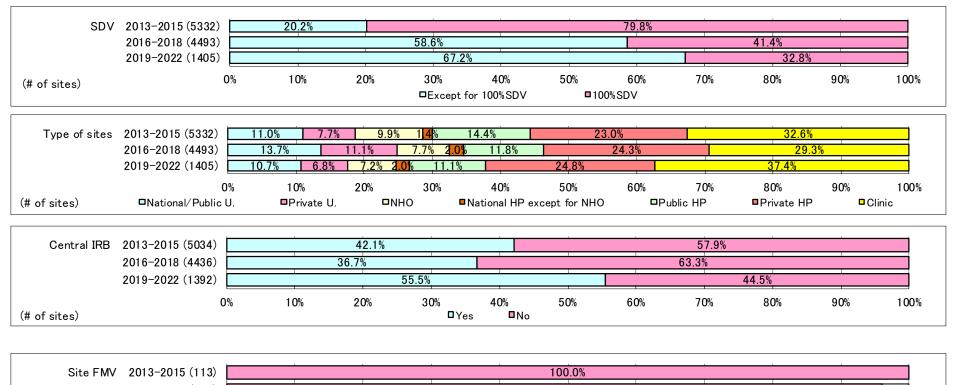


III-1-7-1 Background of Sites 1

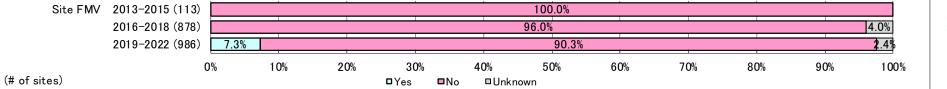




III-1-7-2 Background of Sites 2



(Survey started in 2021)





III-1-7-3 Central IRB [Sub analysis]

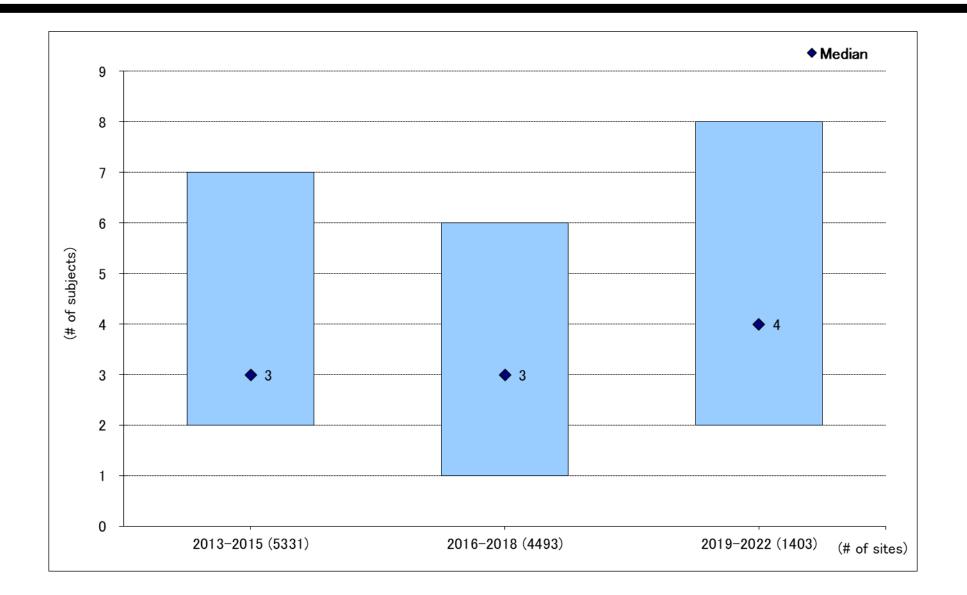
| National/Public U. | | | | | | | Public HP | |
|---------------------------|------------|-------|-----|-------|-------|------|---------------------------------|-------|
| 2013-2015 (551) | | I | | 95.8% | ł | | 2013–2015 (706) 12.6% 87.4% | |
| 2016-2018 (597)1 | | I | | 8.5% | 1 | | 2016–2018 (516) 13.6% 86.4% | |
| 2019-2022 (145) | 7.6% | 1 | Ī | 92.4% | Ī | | 2019–2022 (155) 28.4% 71.6% | |
| | 0% | 20% | 40% | 60% | 80% | 100% | (# sf sites) 0% 20% 40% 60% 80% | 100% |
| (# of sites) | JYes | ■No | | | | | (# of sites) 0% 20% 40% 00% 80% | |
| Private U. | 1 | | | : | | | Private HP | |
| 2013-2015 (384) | 7.0% | | 1 | 93.0% | - | | 2013-2015 (1142) 37.7% 62.3% | |
| 2016-2018 (492) | 10.8% | 1 | | 89.2% | | | 2016–2018 (1086) 32.2% 67.8% | |
| 2019-2022 (93) | 18.3% | | - | 81.7% | | | 2019–2022 (345) 50.1% 49.9% | |
| | 0% | 20% | 40% | 60% | 80% | 100% | 0% 20% 40% 60% 80% | 100% |
| (# of sites) | JYes | ■No | | | | | (# of sites) □Yes □No | |
| National Hospital Organ | ization(NH | 10) | | | | | Clinic | |
| 2013-2015 (493) | 3 | 35.7% | | 64.3 | 1% | | 2013-2015 (1688) 80.7% 19.3 | % |
| 2016-2018 (342) | | 41.8% | | 58 | .2% | | 2016–2018 (1318) 75.6% 24.4% | |
| 2019-2022 (101) | | 53.5% | | | 46.5% | | 2019–2022 (525) 88.8% 11 | .2% |
| | 0% | 20% | 40% | 60% | 80% | 100% | 0% 20% 40% 60% 80% | 100% |
| (# of sites) | JYes | ■No | | | | | (# of sites) □Yes □No | 10070 |
| National HP except fo | or NHO | | | | | | | |
| 2013-2015 (70) | 14.3% | | | 85.7% | | | | |
| 2016-2018 (85) 4.7% 95.3% | | | | | | | | |
| 2019-2022 (28) | 25.0% | 6 | | 75.0% | | | | |
| 0 | % | 20% | 40% | 60% | 80% | 100% | | |
| (# of sites) | JYes | ■No | | | | | | |



III-2 Enrollment

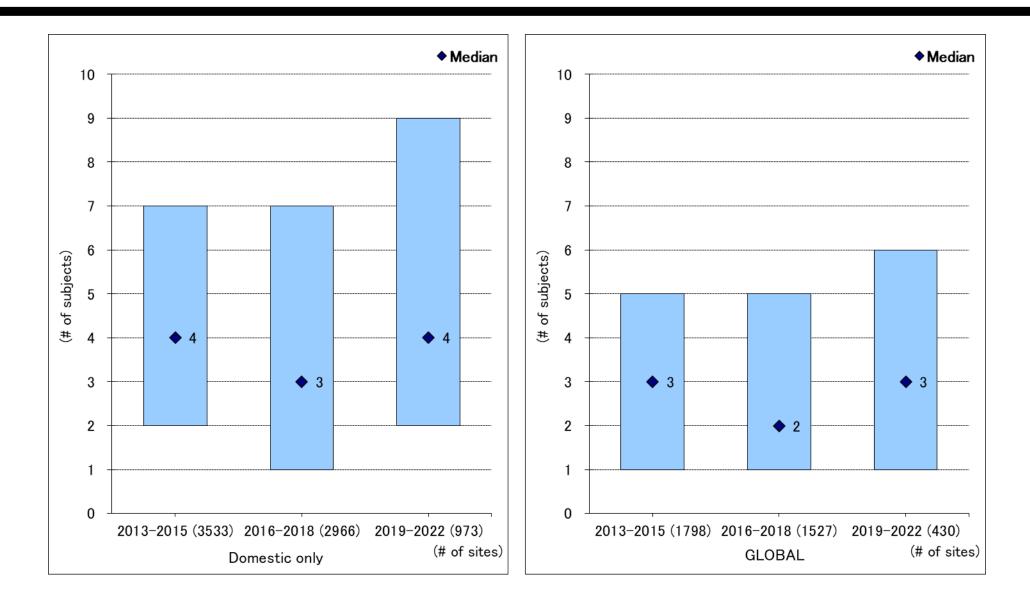


III-2-1 Number of Enrolled Subjects per Site

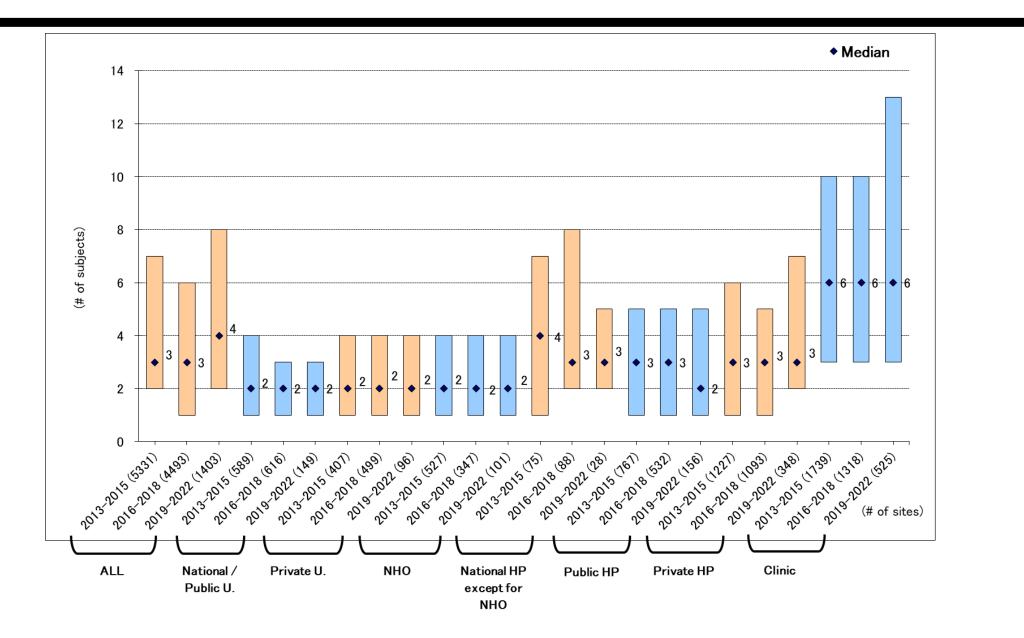


R&D HeadClub

III-2-1-1 Number of Enrolled Subjects per Site for each Domestic or Global Trial

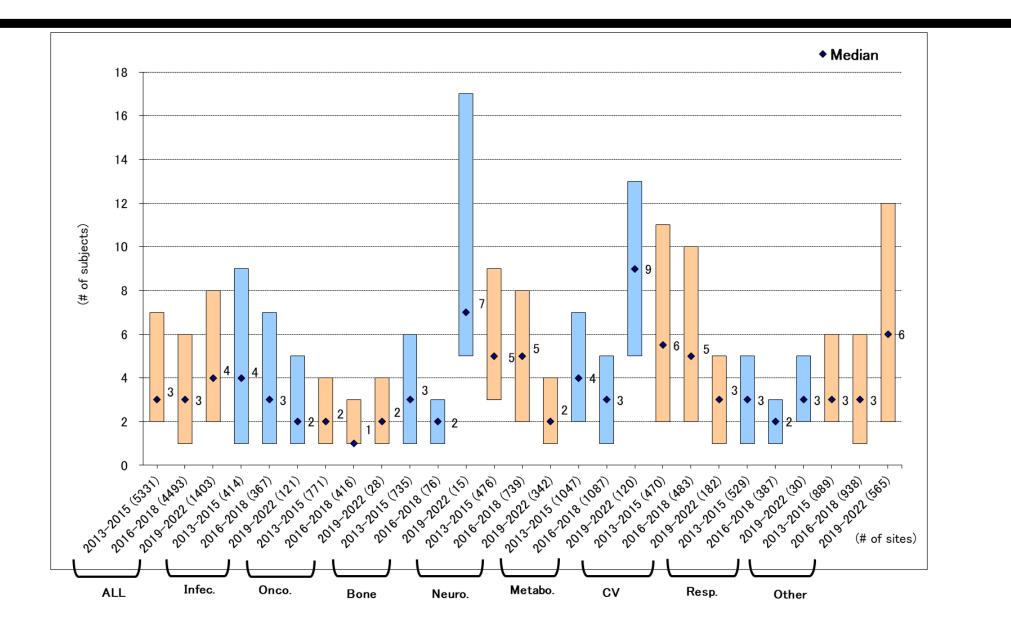


III-2-2 Number of Enrolled Subjects per Site by Type of Site



R&D

III-2-3 Number of Enrolled Subjects per Site by Disease Area



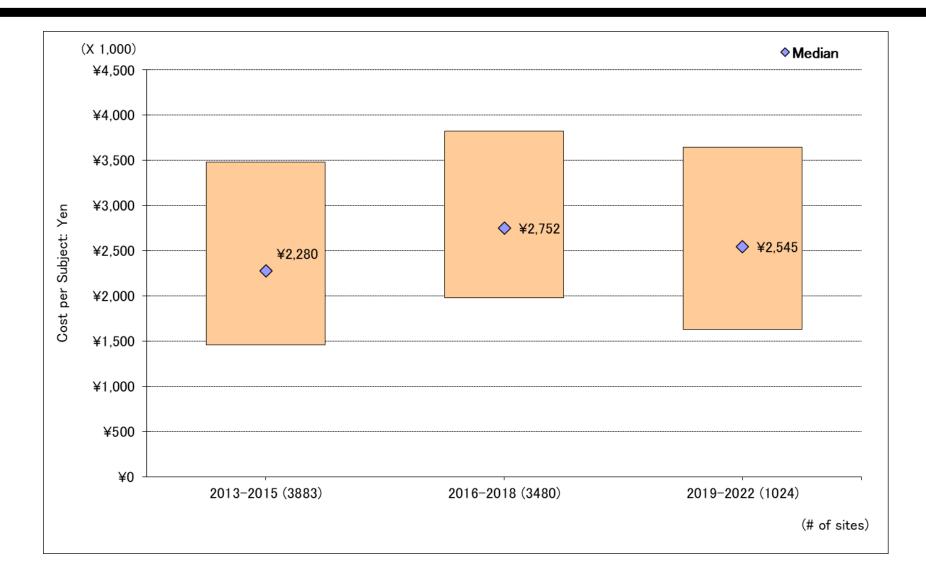




III-3 Cost

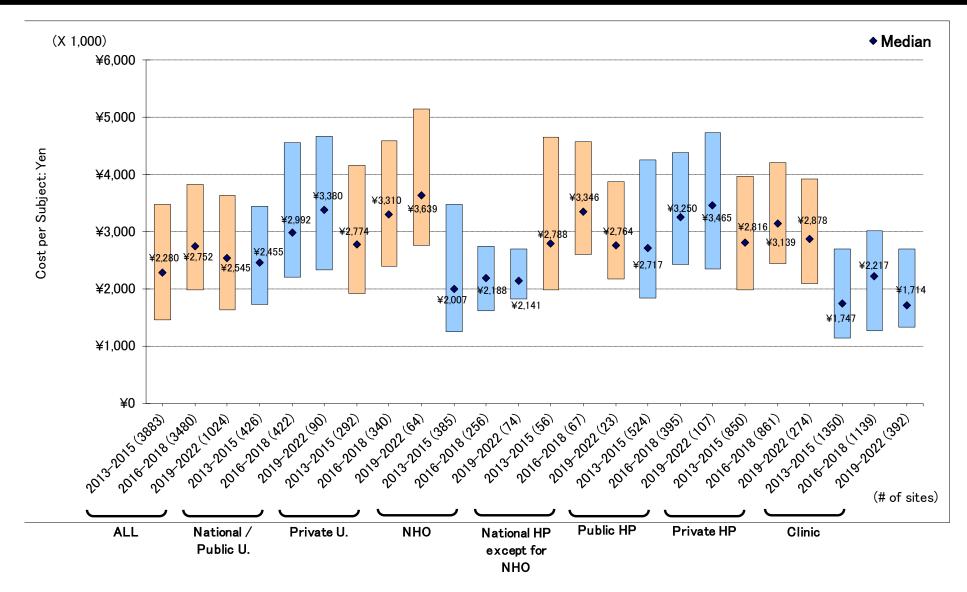


III-3-1 Cost per Enrolled Subject



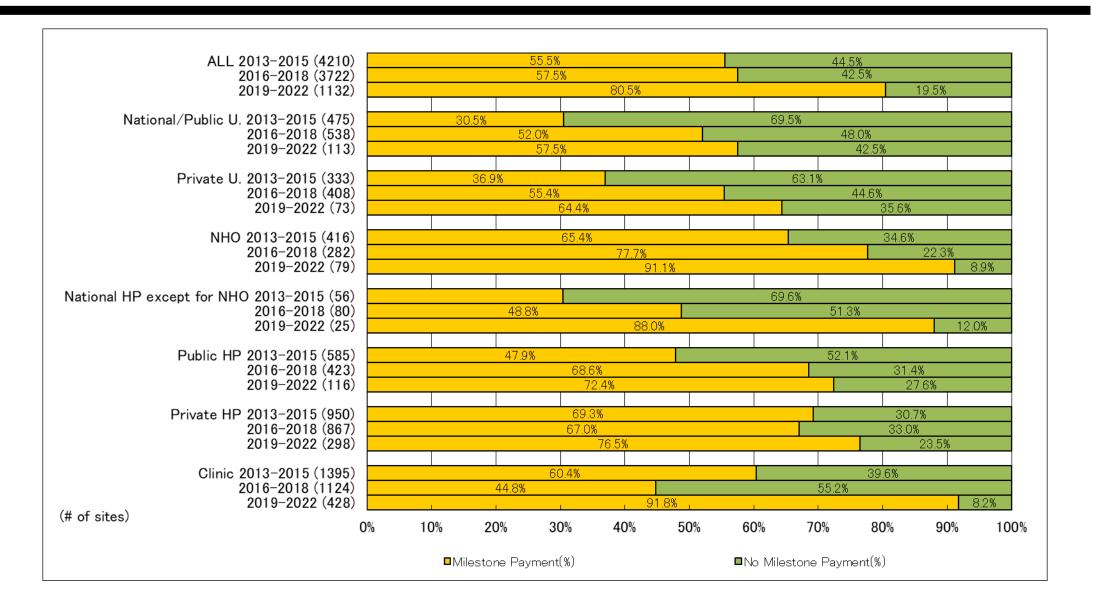


III-3-2 Cost per Enrolled Subject by Type of Site

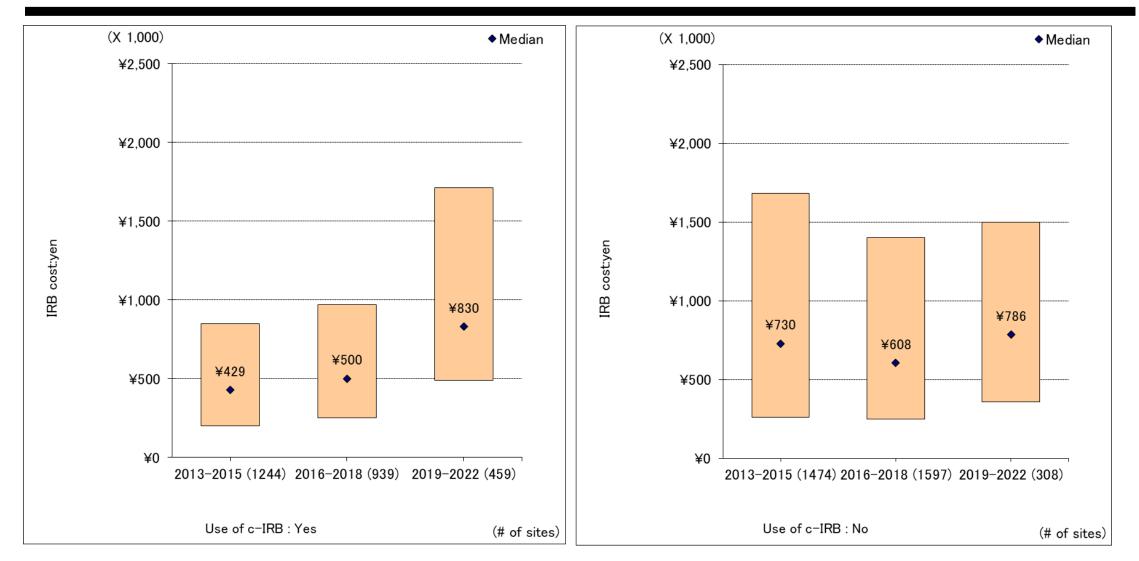




III-3-4 Implementation of Milestone Payment in Site by Type of Site



III-3-11-1 IRB Cost: [Sub analysis] Utilization of c-IRB



Vertical axis: Total IRB cost paid to study sites and SMO

Due to the inappropriate error label on IRB costs in the previous (prior2017) survey form entry check, some of the IRB cost data may not have been properly collected in the before 2017 survey.



III-4 Monitoring Performance



III-4-1 Proportion the Number of Enrolled Subjects and Sites by Affiliation

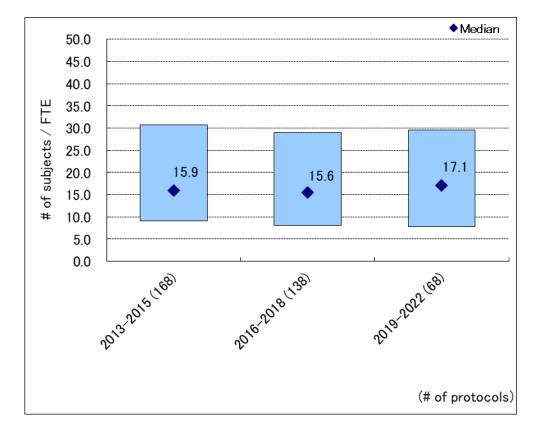


Vertical axis: Proportions of enrolled subjects and study sites were compared by affiliation of monitors (in-house or CRO).

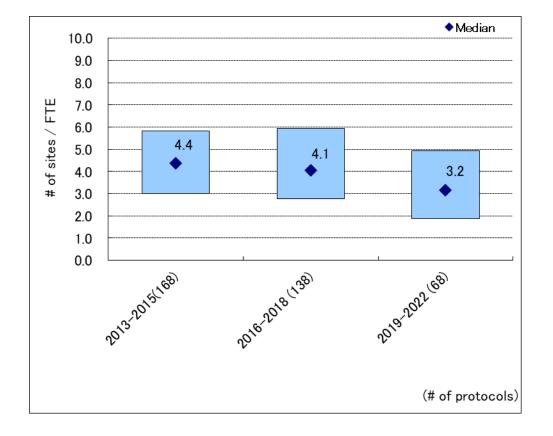


III-4-2/3 Number of Sites/Enrolled Subjects per Monitoring (FTE) by Affiliation

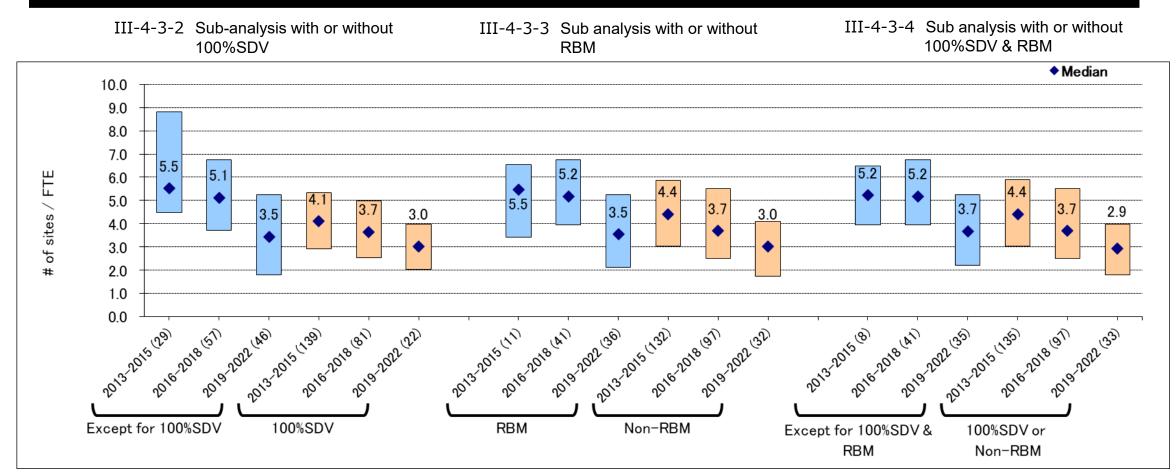
III-4-2 Number of Enrolled Subjects per Monitoring (FTE) by Affiliation



III-4-3 Number of Sites per Monitoring (FTE) by Affiliation



III-4-3-2/3/4 Number of Sites per Monitoring (FTE) by Affiliation and SDV



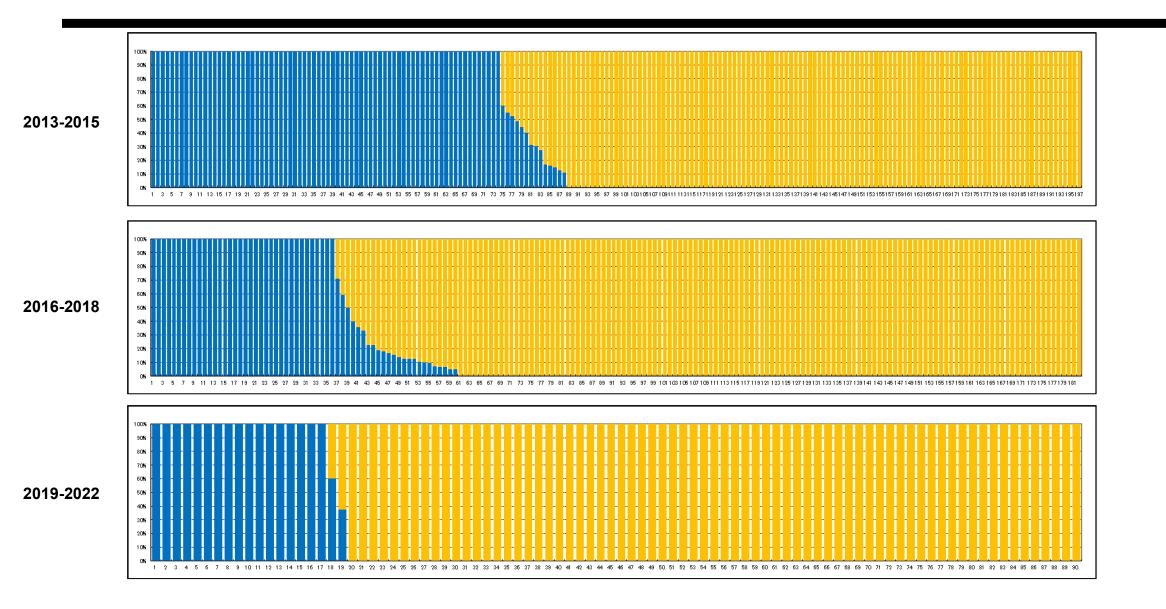
- Except for 100% SDV: The number of sites per monitor 1FTE in the protocol with the answer that non-100% SDV, such as sampling and RBM, was performed
- 100% SDV: The number of sites per monitor 1FTE in the protocol with the answer that 100% SDV was performed
- **RBM**: The number of sites per monitor 1FTE in the protocol with the answer that RBM was performed
- Non-RBM: The number of sites per monitor 1FTE in the protocol with the answer that RBM was not performed
- RBM (Risk Based Monitoring)

- Except for 100% SDV & RBM: The number of sites per monitor 1FTE in the protocol with the answer that non-100% SDV, such as sampling and RBM, was performed and RBM was performed.
- 100% SDV or Non-RBM: The number of sites per monitor 1FTE in the protocol with the answer that full SDV was performed or RBM was not performed

R&D



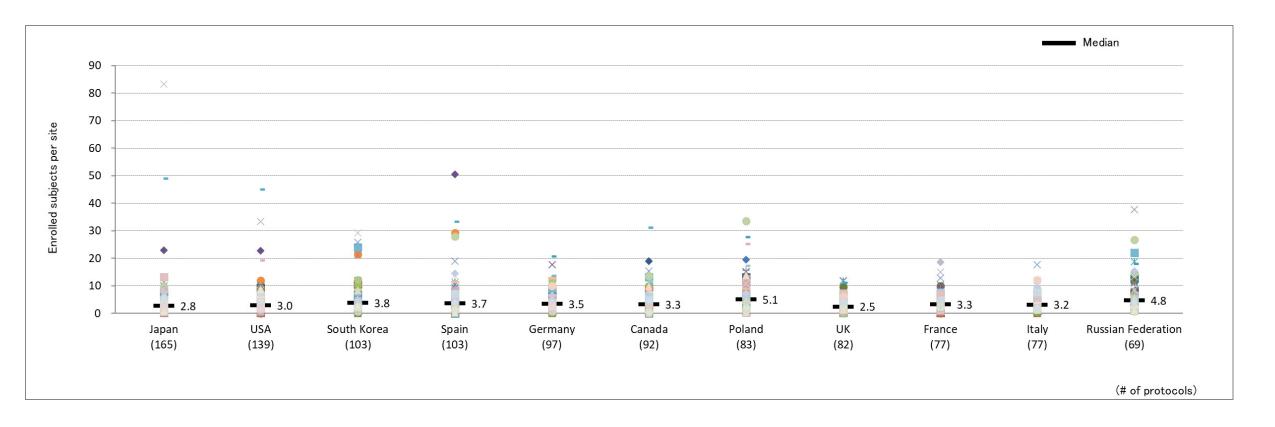
III-4-6-2 Proportion of CRA Outsourcing in Total Sites



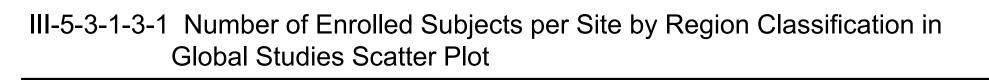


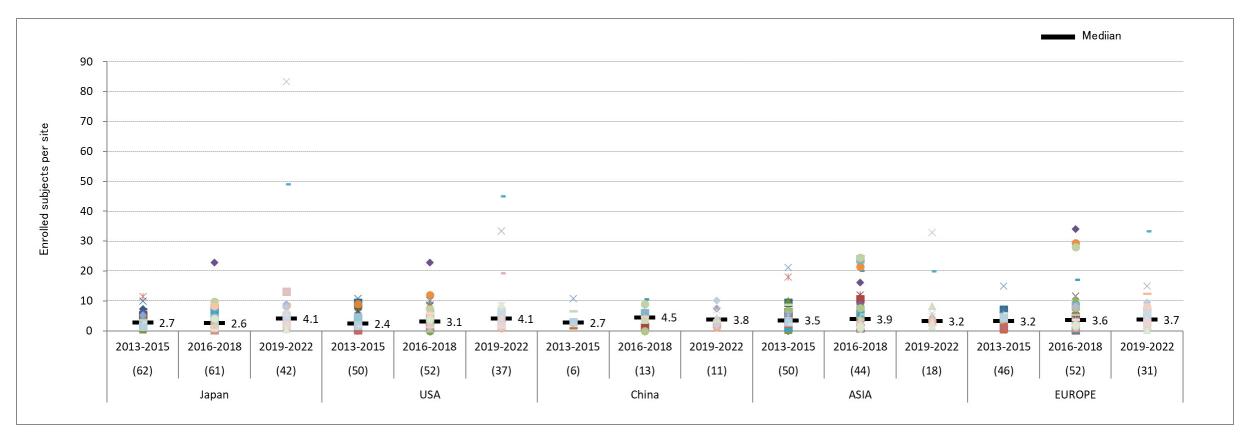
III-5 Global

III-5-3-1 Number of Enrolled Subjects per Site by Most Frequent Top 10 Countries in Global Studies Scatter Plot (2013-2022)









ASIA : Hong Kong, South Korea, Taiwan EUROPE : France, Germany, Italy, Spain, UK

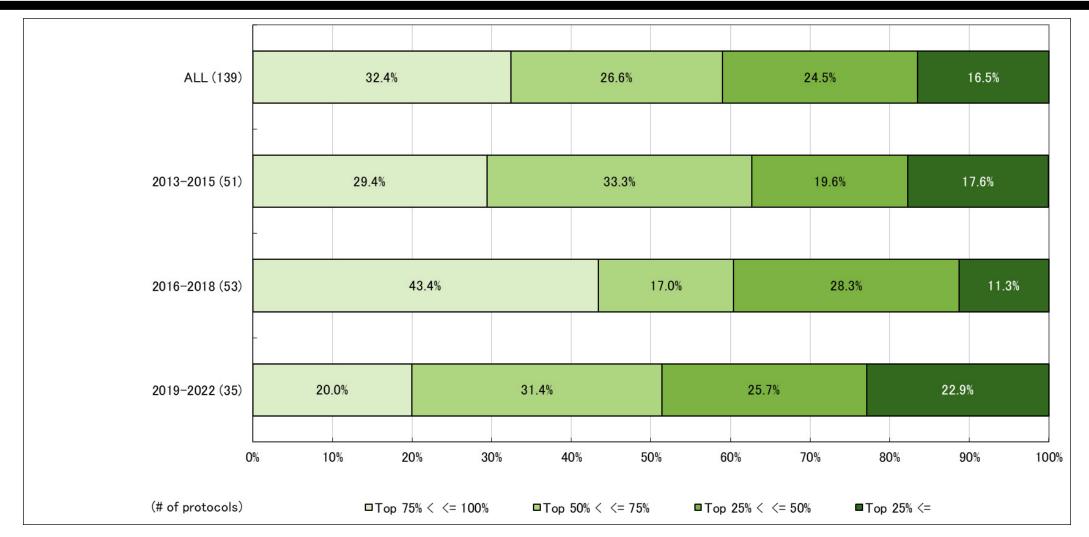
(# of protocols)

R&D

HeadClu



III-5-7-1-1 Classification of Number of Enrolled Subjects per Site in Japan in Global Studies

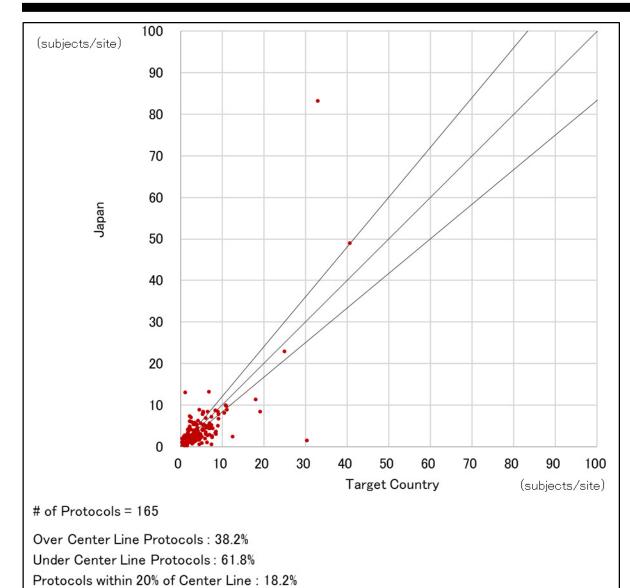


In the global studies, the proportion of the number of the protocols in each classification when the number of subjects treated with drug per site in each country is ranked in the same protocol for each country and when the order of Japan is divided into 4 categories (Within upper 25%, upper 25 to 50%, upper 50 to 75%, and 75 to 100%)

The protocols of the clinical trials conducted in 4 or more countries including Japan are included.



III-5-8-1-1 Number of Enrolled Subjects per Site in Global Studies (2013-2022) (Japan vs Target Country)



[Explanation of Figure]

- For the global studies, the number of subjects treated with drug per study site in Japan is plotted on the vertical axis and the number of subjects treated drug per study site in the overseas countries is plotted on the horizontal axis for each protocol.
- The lines in the figure show differences of 0% and ±20% in the number of subjects treated with drug per site between Japan and overseas.
- Over Center Line (%): Percentage of the protocols in which the number of subjects treated with drug per site in Japan are higher than the target (target countries)
- Under Center Line (%): Percentage of the protocols in which the number of subjects treated with drug per site in Japan are lower than the target (target countries)
- **Protocols within 20% of Center Line**: Percentage of the protocols when the difference between the number of subjects treated per site in Japan and the number of subjects within 20% is assumed to be equivalent

[Target Countries]

US, France, Germany, Italy, Spain, UK, Hong Kong, South Korea, Taiwan, and China

III-5-8-6-1 Number of Enrolled Subjects per Site in Global Studies (2013-2022) < Heat map with focus on 'Over Center Line' >

| | Target Country * |
|----------------------|------------------|
| # of Protocols | 165 |
| Over Center Line *** | 38.2% |

| Onco./Non-Onco. | Target Country * | | | | | |
|----------------------|------------------|-----------|--|--|--|--|
| Onco./Non-Onco. | Onco. | Non-Onco. | | | | |
| # of Protocols | 43 | 122 | | | | |
| Over Center Line *** | 32.6% | 40.2% | | | | |
| | Target Country * | | | | | |
| Rare/Non-Rare | Rare | Non-Rare | | | | |
| # of Protocols | 21 | 144 | | | | |
| Over Center Line *** | 38.1% | 38.2% | | | | |
| Trial Scale | Target Country * | | | | | |
| Small/Large ** | Small | Large | | | | |
| # of Protocols | 69 | 96 | | | | |
| Over Center Line *** | 44.9% | 33.3% | | | | |

| inferior | < 20% | 21~30% | 31~40% | 41~50% | 51~60% | % > 60% | superior |
|----------|-------|--------|--------|--------|--------|---------|----------|
| USA | | EUROPE | | ASIA | | CHINA | |
| 139 | | 129 | | 112 | | 30 | |
| 54.7% | | 41.9% | | 39.3% | | 26.7% | |

| U | SA | EUR | OPE | AS | SIA | CHINA | | |
|-------|-----------|-------|-----------|------------|-----------|-------|-----------|--|
| Onco. | Non-Onco. | Onco. | Non-Onco. | Onco. | Non-Onco. | Onco. | Non-Onco. | |
| 34 | 105 | 29 | 100 | 33 | 79 | 5 | 25 | |
| 55.9% | 54.3% | 41.4% | 42.0% | 33.3% 41.8 | | 20.0% | 28.0% | |
| USA | | EUR | OPE | AS | SIA | CHINA | | |
| Rare | Non-Rare | Rare | Non-Rare | Rare | Non-Rare | Rare | Non-Rare | |
| 20 | 119 | 16 | 113 | 11 | 101 | 5 | 25 | |
| 65.0% | 52.9% | 37.5% | 42.5% | 36.4% | 39.6% | 20.0% | 28.0% | |
| USA | | EUR | OPE | AS | SIA | CHINA | | |
| Small | Large | Small | Large | Small | Large | Small | Large | |
| 56 | 83 | 46 | 83 | 35 | 77 | 9 | 21 | |
| 60.7% | 50.6% | 50.0% | 37.3% | 40.0% | 39.0% | 11.1% | 33.3% | |

* Total of the following 10 countries --- USA, EUROPE (France, Germany, Italy, Spain, UK), ASIA (Hong Kong, South Korea, Taiwan) and China ** Trial Scale Small: Under 300 Objective Cases, Trial Scale Large: 300 or more Objective Cases For other than 'Over Center Line', see p.46.

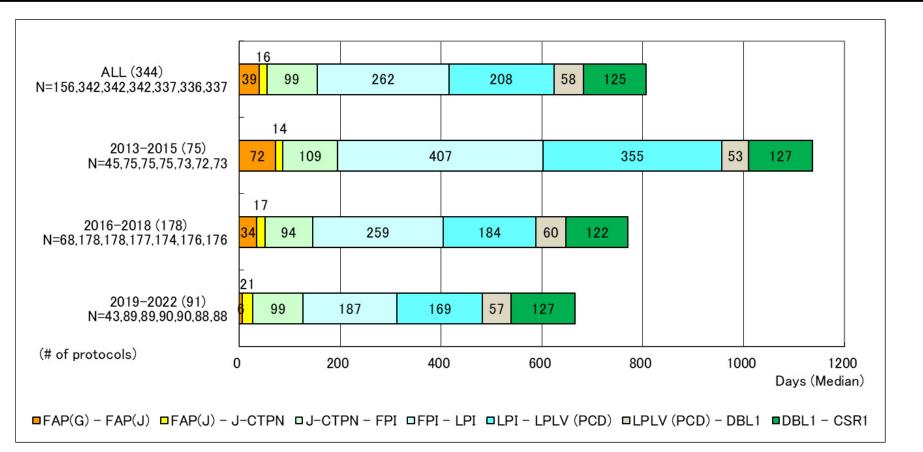
*** Over Center Line: Percentage (%) of the number of protocols that the number of subjects treated with drug at each site is higher (superior) in Japan than in the target countries (regions)





III-6 Cycle time

III-6-1-1-1 Cycle-time



(2019年調査開始)

R&D

N numbers are listed from left to right: FAP (G)-FAP (J), FAP (J)-J-CTPN, J-CTPN-FIP, FIP-LPI, LPI-LPLV (PCD), LPLV(PCD)-DBL 1, DBL 1-CSR 1.

FAP: Final Approved Protocol FAP (G) – FAP (J) shows a difference in the number of days in global studies between overseas and Japan.

CTPN: Submission date of clinical trial notification, FIP: First Patient In, LPI: Last Patient In, LPLV: Last Patient Last Visit,

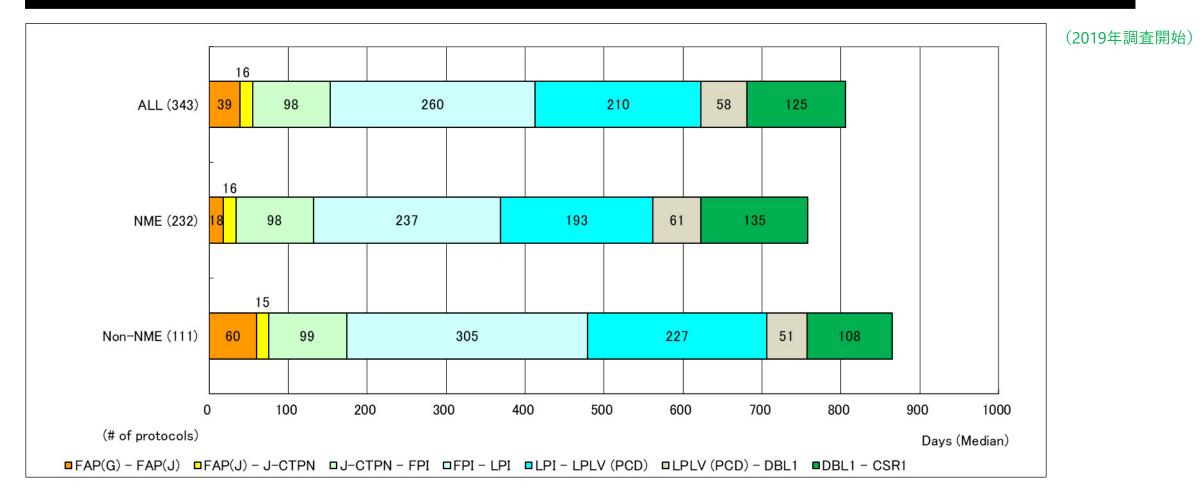
PCD: Primary Completion Date (When the study was still ongoing after filing an approval application, the date when the last subject was tested or intervened for the purpose of collecting final data on primary results in accordance with a pre-designated protocol)

DBL 1: Database Lock 1 (The date when the database for approval application is fixed), **CSR 1**: Clinical Study Report 1 (The date when the clinical study report for approval application is completed)

Please note that there are few protocols for the segment of years 2013-2015 due to the start of this survey item in 2019.



III-6-1-5-1 Cycle-time by Type of NME (2013-2022)



FAP: Final Approved Protocol FAP (G) – FAP (J) shows a difference in the number of days in global studies between overseas and Japan.

CTPN: Submission date of clinical trial notification, FIP: First Patient In, LPI: Last Patient In, LPLV: Last Patient Last Visit,

PCD: Primary Completion Date (When the study was still ongoing after filing an approval application, the date when the last subject was tested or intervened for the purpose of collecting final data on primary results in accordance with a pre-designated protocol)

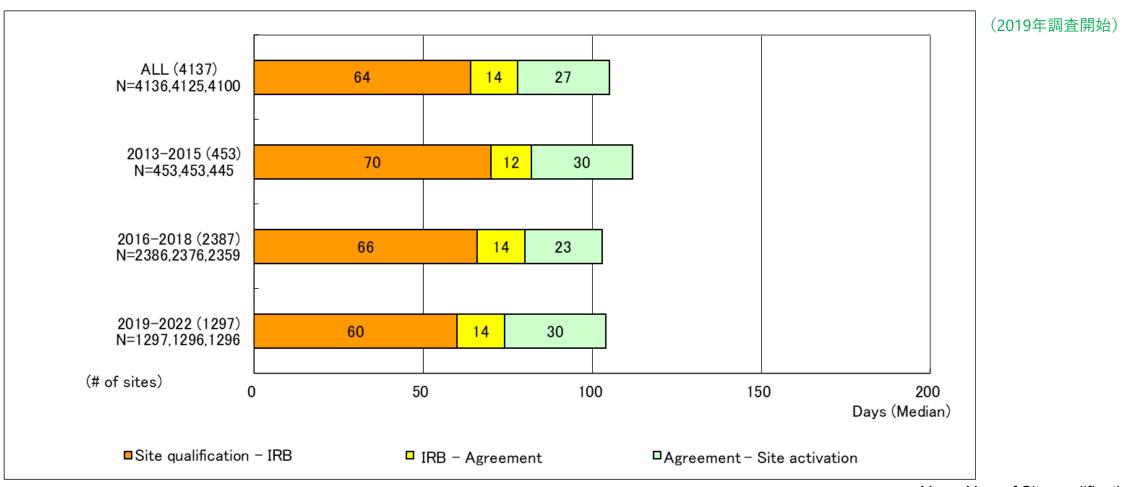
DBL 1: Database Lock 1 (The date when the database for approval application is fixed), **CSR 1**: Clinical Study Report 1 (The date when the clinical study report for approval application is completed)

Please note that there are few protocols for the segment of years 2013-2015 due to the start of this survey item in 2019.

NME (New Molecular Entity) Non-NME (Non-New Molecular Entity)



III-6-2-1-1 Days to Site qualification – IRB – Agreement – Site activation

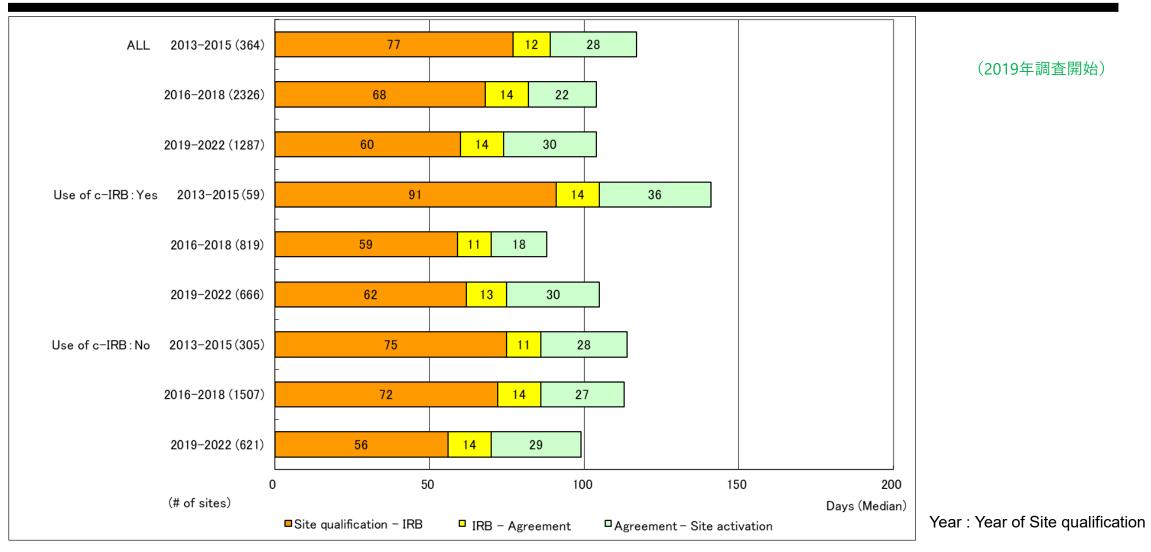


N numbers are listed from left to right: Site qualification-IRB, IRB-Agreement, and Agreement-Site activation.

Year : Year of Site qualification



III-6-2-3-1 Days to Site qualification – IRB – Agreement – Site activation by Central IRB





IV-1 Summary

• III-1 Background

- ✓ Disease Area: The oncology area showed a decrease over time, while the percentage of the other area (including vaccines) increased. [Figure III-1-5]
- ✓ Monitoring method: 'Methods other than 100% SDV (e.g. sampling)' and 'RBM' has increased significantly. [Figure III-1-5]
- ✓ eCOA: Increased [Figure III-1-5]
- ✓ DCT: Introduction of ePRO/eCOA takes a lead. Direct shipment of investigational medical product to homes, medical activities at local healthcare providers' institutions, telemedicine, and home visit nursing/medical care are being further implemented.[Figure III-1-5]
- ✓ Introduction of FMV: Increased (Implementation confirmed in the latest classification (2019 to 2022)) [Figure III-1-5]
- ✓ Central IRB: There are large differences in the use status depending the management classification of medical institutions [Figure III-1-7-3] [Continuing issue]

• III-2 Enrollment

- The number of subjects treated with drug per institution (median) is 3 to 4 subjects: No change over time [Figure III-2-1, III-2-1-1]
 [Continuing issue]
- III-3 Cost
 - ✓ Milestone payment implementation rate: Increased [increased to about 81% in the latest classification (2019 to 2022)] [Figure III-3-4]
 - IRB Cost: In the classifications of 2013 to 2015 and 2016 to 2018, c-IRB was low, while it was high in the latest classification (2019 to 2022). [The reason has not been identified at present (April 2024).] [Figure III-11-1]

• III-4 Monitoring Performance

- ✓ The number of subjects per monitor 1FTE: 17 subjects in the latest classification (2019 to 2022) with no change over time [Figure III-4-2] [Continuing issue]
- ✓ The number of sites per monitor 1FTE: 3.2 sites in the latest classification (2019 to 2022) with no change over time [Figure III-4-3] [Continuing issue]
- Percentages of "Numbers of in-house monitors" and "Number of CRO monitors": The percentage of CRO monitors increased [Figures III-4-1 and III-4-6-2]



• III-5 Global

- ✓ The number of subjects treated with drug per study site (median) in the global studies is comparable to that in countries/regions worldwide (US, China, Europe, and Asia). [Figure III-5-3-1-3-1]
- The number of subjects treated with drug per site in the same study is smaller than that in China, Asia, and Europe [Figures III-5-8-6, III-5-8-6-1] [Continuing issue]
- ✓ When the number of subjects treated with drug per site in each country is ranked in the same study in a multinational study, the number of the studies in which Japan was within the top 50% was 41%. (It increased to 48.6% in the latest classification (2019 to 22)) [Figure III-5-7-1-1] [Continuing issue]

• III-6 Cycle time

- ✓ Cycle time of NME is shorter than that of non-NME [Figure III-6-1-5-1].
- ✓ In the latest classification (2019 to 2022), the duration "from the date of site selection [Site qualification] to the date when the study can be conducted [Site activation] " is approximately 3.5 months (from the date of site selection [Site qualification] to the date of IRB meeting: approximately 2 months; from the date of IRB meeting to the date of contract: approximately 0.5 months; and from the date of contract to the date when the study can be conducted [Site activation] : approximately 1 month) [Figure III-6-2-1-1]



This report has been prepared by R&D Head Club member companies by bringing together data in order to understand current clinical trial environment in Japan. Please note the following instruction when you use this material for the secondary use.

Preliminary actions for secondary use

- Please let the R&D Head Club secretariat know below contents by contact form in the R&D Head Club home page (<u>https://rdhead-club.com/contact/</u>)
 - User (name, affiliation, opportunity to use)
 - Where used (applicable pages and purpose of use*)

Ex.) Name: Ichiro Suzuki Affiliation : ABC Pharma K.K. Purpose for ues: Oral presentation in OOO annual meeting, MMM/DD/YYYY Data of use: Slide #18 Introduction on current clinical cost in Japan

How to describe Source Data

Source: R&D Head Club Clinical Trial Performance Survey 2023 https://rdhead-club.com/

*: It is to confirm that there is no discrepancy with the perception of R&D Head Club, and does not restrict secondary use.

Number of Enrolled Subjects per Site in Global Studies (2013-2022) **III-5-8-6**



| | Target C | Country * | | U | SA | EUF | ROPE | AS | SIA | CHINA | |
|-----------------------------|----------------------|-----------|---------------------------------|-------|-----------|--------|-----------|-------|-----------|-------|-----------|
| # of Protocols | 165 G ² S | | egic | 139 | | 129 | | 112 | | 30 | |
| Over Center Line | 38.2% | | Stratified by country/region | 54 | .7% | 41.9% | | 39.3% | | 26.7% | |
| Under Center Line | 61. | .8% | Strat | 43 | .9% | 58.1% | | 59.8% | | 73.3% | |
| Within 20% of Center Line | 18 | .2% | | 21 | .6% | 19 | .4% | 20 | .5% | 20.0% | |
| Stratified by Categories | | | | | | | | | | | |
| | Target (| Country * | | USA | | EUI | ROPE | AS | SIA | CHINA | |
| Onco./Non-Onco. | Onco. | Non-Onco. | Stratified by country/region | Onco. | Non-Onco. | Onco. | Non-Onco. | Onco. | Non-Onco. | Onco. | Non-Onco. |
| # of Protocols | 43 | 122 | reg | 34 | 105 | 29 | 100 | 33 | 79 | 5 | 25 |
| Over Center Line | 32.6% | 40.2% | atifi 1try | 55.9% | 54.3% | 41.4% | 42.0% | 33.3% | 41.8% | 20.0% | 28.0% |
| Under Center Line | 67.4% | 59.8% | Str | 41.2% | 44.8% | 58.6% | 58.0% | 66.7% | 57.0% | 80.0% | 72.0% |
| Within 20% of Center Line | 20.9% | 17.2% | | 20.6% | 21.9% | 13.8% | 21.0% | 12.1% | 24.1% | 20.0% | 20.0% |
| | Target Country * | | | USA | | EUROPE | | ASIA | | CHINA | |
| Rare/Non-Rare | Rare | Non-Rare | Stratified by country/region | Rare | Non-Rare | Rare | Non-Rare | Rare | Non-Rare | Rare | Non-Rare |
| # of Protocols | 21 | 144 | /rec | 20 | 119 | 16 | 113 | 11 | 101 | 5 | 25 |
| Over Center Line | 38.1% | 38.2% | ntry | 65.0% | 52.9% | 37.5% | 42.5% | 36.4% | 39.6% | 20.0% | 28.0% |
| Under Center Line | 61.9% | 61.8% | Str | 35.0% | 45.4% | 62.5% | 57.5% | 63.6% | 59.4% | 80.0% | 72.0% |
| Within 20% of Center Line | 9.5% | 19.4% | | 15.0% | 22.7% | 31.3% | 17.7% | 0.0% | 22.8% | 0.0% | 24.0% |
| | Target (| Country * | | USA | | EUROPE | | ASIA | | CHINA | |
| Trial Scale Small/Large ** | Small | Large | 2 Loi | Small | Large | Small | Large | Small | Large | Small | Large |
| # of Protocols | 69 | 96 | Stratified by country/region | 56 | 83 | 46 | 83 | 35 | 77 | 9 | 21 |
| Over Center Line | 44.9% | 33.3% | ntry | 60.7% | 50.6% | 50.0% | 37.3% | 40.0% | 39.0% | 11.1% | 33.3% |
| Under Center Line | 55.1% | 66.7% | Con St | 37.5% | 48.2% | 50.0% | 62.7% | 57.1% | 61.0% | 88.9% | 66.7% |
| Within 20% of Center Line | 15.9% | 19.8% | | 19.6% | 22.9% | 19.6% | 19.3% | 20.0% | 20.8% | 0.0% | 28.6% |

* Total of the following 10 countries --- USA, EUROPE(France, Germany, Italy, Spain, UK), ASIA(Hong Kong, South Korea, Taiwan) and China ** Trial Scale Small: Under 300 Objective Cases, Trial Scale Large: 300 or more Objective Cases