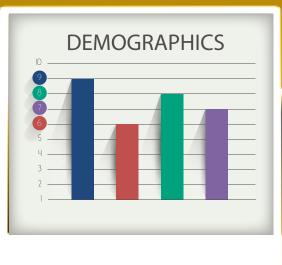


DRUGTRIALS SNAPSHOTS SUMMARY REPORT







Introduction

Welcome to the FDA's Center for Drug Evaluation and Research's (CDER's) Drug Trials Snapshots Summary Report

Every year, CDER approves a number of novel drugs based upon review of safety and efficacy measures from sponsor submitted clinical trial data. Participation in these clinical trials has varied greatly, from tens to thousands of patients. In recent years, the representation of certain subgroups, such as women and people of racial and ethnic minority groups, has become of greater interest to the general public. CDER created the transparency initiative, called the Drug Trials Snapshots, to share information on the diversity of participants in clinical trials and the extent to which safety and efficacy data is based on demographic factors such as sex, age, race and ethnicity.

Snapshots are data posted online in a standardized format after approval of a novel drug that is either a New Molecular Entity (NME) or original biologic (BLA) product. They show who participated in the pivotal clinical trials used to approve the drug and stratify the data by sex, race, age and ethnicity subgroups. Further, the Snapshots provide statements on whether there were any observed differences in safety and efficacy by demographic subgroups at the time of approval. Since January 2015, CDER has published a Drug Trial Snapshot for each novel drug approved within a month of the official approval date.

Our Summary Reports are another commitment to enhancing transparency. This year's report summarizes the 2019 Drug Trials Snapshot program, highlighting 48 novel drugs, and the extent to which safety and efficacy data is based on demographic factors. We provide an overall average of each demographic group followed by a more detailed table of the percent representation of sex, race, age and ethnicity participating in the clinical trials used to approve the drug.

We hope this information is helpful to promote dialogue on the appropriate representation of different subgroups in clinical trials. We welcome your feedback on the Drug Trial Snapshot program and ideas you may have regarding how FDA can enhance the information provided in each Snapshot. You can share your thoughts by sending an email to Snapshots@fda.hhs.gov.



Janet Woodcock, M.D.
Director, Center for Drug
Evaluation and Research (CDER)



CDR Eleni Anagnostiadis R.Ph., M.P.M. Acting Director, Professional Affairs and Stakeholder Engagement (PASE)



Milena Lolic, M.D., M.S. Lead Medical Officer, Professional Affairs and Stakeholder Engagement (PASE)

Drug Trials Snapshots Report (2019)

2019 Summary Statistics

(Jan 1, 2019 - Dec 31, 2019)

In 2019, CDER approved 48 novel drugs*, either as New Molecular Entities (NMEs) under New Drug Applications (NDAs) or as new therapeutic biologics under Biologics License Applications (BLAs). Overall, 46,391 patients participated in these trials. Subpopulation demographics from these trials are presented below.

Table 1. Demographic Subgroups in 2019

DEMOGRAPHIC SUBGROUPS	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 AND OLDER	UNITED STATES
AVERAGE	72%	72%	9%	9%	18%	36%	40%

^{*}Data presented in this report are from 49 snapshots as one drug was approved for two indications.

More insight into demographics for all 49 CDER approved NMEs are provided below in Table 2.

Table 2. Percentage of Subpopulations* - All Approvals

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
ACCRUFER	Treatment of iron deficiency	68	83	12	2	14	41	57
ADAKVEO	Treatment of vasooclusive crisis in sickle cell disease	55	5	91	NR	24	0	75
AKLIEF	Treatment of acne vulgaris	55	87	7	3	17	0	45

Table 2. Percentage of Subpopulations* - All Approvals continued

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
BALVERSA	Treatment of urothelial carcinoma	21	74	2	5	2	61	22
BEOVU	Treatment of wet age-related macular degeneration	56	86	1	11	8	90	33
BRUKINSA	Treatment of mantle cell lymphoma	25	21	1	76	NR	39	8
CABLIVI	Treatment of an episode of acquired thrombotic thrombocytopenic purpura	67	74	17	2	3	6	22
CAPLYTA	Treatment of schizophrenia	24	21	75	1	9	0	100
DAYVIGO	Treatment of insomnia	76	73	15	11	12	35	54
EGATEN	Treatment of fascioliasis	58	NR	NR	NR	NR	4	0
ENHERTU	Metastatic HER2-positive breast cancer	100	51	3	42	6	26	35
EVENITY	Treatment of osteoporosis in postmenopausal women	100	62	2	10	37	82	2
EXEM FOAM	Detection of fallopian tubes patency in women with infertility	100	NR	NR	NR	NR	NR	0
FETROJA	Treatment of complicated urinary tract infection	55	96	NR	3	2	53	2

Table 2. Percentage of Subpopulations* - All Approvals continued

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
FLUORODOPA F 18	Detection of certain nerve cells in patients with Parkinsonian syndromes	32	NR	NR	NR	NR	63	100
GIVLAARI	Treatment of acute hepatic porphyria	89	78	1	16	9	1	34
Ga 68 DOTATOC	Detection of somatostatin receptor positive neuroendocrine tumors	57	94	2	1	2	18	100
IBSRELA	Treatment of irritable bowel syndrome with constipation	82	64	31	3	28	8	100
INREBIC	Treatment of myelofibrosis	43	92	1	7	NR	45	8
JEUVEAU	Temporary improvement of glabellar lines	91	84	8	2	0	10	100
MAYZENT	Treatment of relapsing forms of multiple sclerosis	60	95	1	3	6	0	9
NOURIANZ	Treatment of "off episodes" in patients with Parkinson's disease	49	34	1	64	NR	52	32
NUBEQA	Treatment of prostate cancer	0	79	3	13	3	87	9
OXBRYTA	Treatment of sickle cell disease	59	24	67	1	3	0	36
PADCEV	Treatment of urothelial carcinoma	30	85	2	9	4	64	94

Table 2. Percentage of Subpopulations* - All Approvals continued

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
PIQRAY	Treatment of advanced breast cancer	100	66	1	22	14	44	9
POLIVY	Treatment of diffuse large B- cell lymphoma	34	71	4	12	3	61	30
PRETOMANID	Treatment of lung tuberculosis	48	1	76	NR	NR	0	0
REBLOZYL	Treatment of anemia in patients with beta thalassemia	58	54	1	35	2	0	8
RECARBRIO	Treatment of complicated urinary infection	43	92	1	3	6	30	4
REYVOW	Treatment of acute migraine	84	78	18	1	18	4	90
RINVOQ	Treatment of rheumatoid arthritis	79	85	6	7	27	20	26
ROZLYTREK	Treatment of non-small cell lung cancer	55	66	5	23	3	25	51
ROZLYTREK**	Treatment of certain solid tumors							
SCENESSE	Increasing pain-free light exposure in patients with EPP	47	98	o	1	NR	4	70

Table 2. Percentage of Subpopulations* - All Approvals continued

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
SKYRIZI	Treatment of plaque psoriasis	30	78	3	17	11	11	40
SUNOSI	Improvement of wakefulness in patients with narcolepsy or obstructive sleep apnea	49	77	18	2	8	12	90
TISSUEBLUE	Staining the internal limiting membrane	NR	NR	NR	NR	NR	NR	NR
TRIKAFTA	Treatment of cystic fibrosis	50	93	1	NR	4	0	60
TURALIO	Treatment of tenosynovial giant cell tumor	59	88	3	3	14	6	38
UBRELVY	Treatment of acute migraine	89	82	15	1	15	3	100
VYLEESI	Treatment of women with hypoactive sexual desire disorder	100	86	12	1	9	0	97
VYNDAQEL/ VYNDAMAX	Treatment of certain type of cardiomyopathy	10	81	14	NR	3	91	63
VYONDYS 53	Treatment of Duchenne muscular dystrophy	0	86	2	6	16	0	81
WAKIX	Treatment of excessive daytime sleepiness in patients with narcolepsy	50	55	2	NR	NR	6	0
XCOPRI	Treatment of partial-onset seizures	49	74	3	21	7	2	29

Table 2. Percentage of Subpopulations* - All Approvals continued

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
XENLETA	Treatment of community-acquired bacterial pneumonia	44	79	5	11	8	40	2
XPOVIO	Treatment of multiple myeloma	47	73	17	1	5	48	81
ZULRESSO	Treatment of postpartum depression	100	61	36	1	17	0	100

^{*}The percentage of all other races combined (American Indian or Alaska Native, Native Hawaiian or other Pacific Islander, Other, Unknown/Unreported) makes up to 100% of race category.

The percentage of patients from anywhere else in the world makes up to 100% of geographic category.

NR=not reported

2019 Drug Trials Snapshots Summary Report

The percentage of Non-Hispanic and Unknown/Unreported ethnicity makes up to 100% of ethnicity category.

^{**}ROZLYTREK indications were approved using the same clinical trial population

Therapeutic Areas in 2019

The four main therapeutic areas for 2019 were: Hematology, Oncology, Neurology and Psychiatry and Sleep Disorders. Demographics for these approvals are provided in Tables 3, 4, and 5.

Hematology

A total of 1,255 patients participated in the trials that led to the approvals of 6 new drugs. Overall, 64% of all participants were women, 57% were White, 11% were Asian, 25% were Black or African American, 8% were Hispanic, 11% were 65 years and older, and 35% were from sites in the United States.

Demographics for individual approvals is provided in the Table 3.

Table 3. Percentage of Subpopulations - Hemotology Approvals

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
ACCRUFER	Treatment of iron deficiency	68	83	12	2	14	41	57
ADAKVEO	Treatment of vasooclusive crisis in sickle cell disease	55	5	91	NR	24	0	75
CABLIVI	Treatment of an episode of acquired thrombotic thrombocytopenic purpura	67	74	17	2	3	6	22
GIVLAARI	Treatment of acute hepatic porphyria	89	78	1	16	9	1	34
OXBRYTA	Treatment of sickle cell disease	59	24	67	1	3	0	36
REBLOZYL	Treatment of anemia in patients with beta thalassemia	58	54	1	35	2	0	8

Oncology

A total of 3,593 patients participated in the trials that led to the approvals of 11 new drugs. Overall, 38% of all participants were women, 73% were White, 18% were Asian, 4% were Black or African American, 5% were Hispanic, 59% were 65 years and older, and 24% were from sites in the United States.

Demographics for individual approvals is provided in the Table 4.

Table 4. Percentage of Subpopulations - Oncology Approvals

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
BALVERSA	Treatment of urothelial carcinoma	21	74	2	5	2	61	22
BRUKINSA	Treatment of mantle cell lymphoma	25	21	1	76	NR	39	8
ENHERTU	Treatment of metastatic HER2-positive breast cancer	100	51	3	42	6	26	35
INREBIC	Treatment of myelofibrosis	43	92	1	7	NR	45	8
NUBEQA	Treatment of prostate cancer	0	79	3	13	3	87	9
PADCEV	Treatment of urothelial carcinoma	30	85	2	9	4	64	94
PIQRAY	Treatment of advanced breast cancer	100	66	1	22	14	44	9

Table 3. Percentage of Subpopulations - Oncology Approvals continued

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
POLIVY	Treatment of diffuse large B-cell lymphoma	34	71	4	12	3	61	30
ROZLYTREK	Treatment of non-small cell lung cancer	55	66	5	23	3	25	51
ROZLYTREK	Treatment of certain solid tumors							
TURALIO	Treatment of tenosynovial giant cell tumor	59	88	3	3	14	6	38
XPOVIO	Treatment of multiple myeloma	47	73	17	1	5	48	81

Neurology

A total of 10,390 patients participated in the trials that led to the approvals of 6 new drugs. Overall, 75% of all participants were women, 77% were White, 10% were Asian, 11% were Black or African American, 13% were Hispanic, 8% were 65 years and older, and 70% were from sites in the United States.

Demographics for individual approvals is provided in the Table 5.

Table 5. Percentage of Subpopulations - Neurology Approvals

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
MAYZENT	Treatment of relapsing forms of multiple sclerosis	60	95	1	3	6	0	9
NOURIANZ	Treatment of "off episodes" in patients with Parkinson's disease	49	34	1	64	NR	52	32
REYVOW	Treatment of acute migraine	84	78	18	1	18	4	90
UBRELVY	Treatment of acute migraine	89	82	15	1	15	3	100
VYONDYS 53	Treatment of Duchenne muscular dystrophy	0	86	2	6	16	0	81
XCOPRI	Treatment of partial-onset seizures	49	74	3	21	7	2	29

Psychiatry and Sleep Disorders

A total of 3,645 patients participated in the trials that led to the approvals of 5 new drugs. Overall, 60% of all participants were women, 60% were White, 6% were Asian, 29% were Black or African American, 10% were Hispanic, 19% were 65 years and older, and 70% were from sites in the United States.

Demographics for individual approvals is provided in the Table 5.

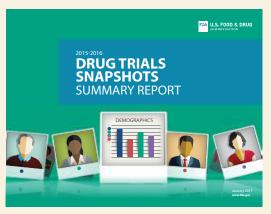
Table 5. Percentage of Subpopulations - Psychiatry and Sleep Disorders Approvals

BRAND NAME	INDICATION	WOMEN	WHITE	BLACK or AFRICAN AMERICAN	ASIAN	HISPANIC	AGE 65 and OLDER	UNITED STATES
CAPLYTA	Treatment of schizophrenia	24	21	75	1	9	0	100
DAYVIGO	Treatment of insomnia	76	73	15	11	12	35	54
SUNOSI	Improvement of wakefulness in patients with narcolepsy or obstructive sleep apnea	49	77	18	2	8	12	90
WAKIX	Treatment of excessive daytime sleepiness in patients with narcolepsy	50	55	2	NR	NR	6	0
ZULRESSO	Treatment of postpartum depression	100	61	36	1	17	0	100

Download prior versions of the Drug Trials Snapshots Summary Report

https://www.fda.gov/Drugs/InformationOnDrugs/ucm412998.htm









U.S. Food and Drug Administration 10903 New Hampshire Ave. Silver Spring, MD 20993 www.fda.gov