MCN gram

2021 Survey

Type 2 Diabetes

(Sample version)

MACROMILL CARENET
a Macromill Group company

List of Disease-Specific Documents

MCN gram
(Sample version)

Paid data are delivered in PDF and Excel tabulation data formats.

	Listed Segments	Remarks
• Summary of number of patients	HP/GP specialty	※ Paid basic package
• Share of number of patients/physicians in specialty	HP/GP specialty	
• Percentage of practicing physicians and the average number of patients [by specialty]	HP/GP specialty	
• Distribution of number of patients [by specialty]	HP/GP specialty	
• Percentage of practicing physicians (cumulative ratio)	HP/GP specialty	
• Share of patients (cumulative ratio)	HP/GP specialty	
• Relationship between the total number of patients treated and disease	1 segment	※ One pattern is included in the basic package. ※ Other specialties are optional.
• Relationship between the number of patients treated and the number of patients with disease	1 segment	
• Target disease x other diseases: Distribution of number of patients	1 segment	※ One pattern is included in the basic package. ※ Combinations with other diseases and specialties are optional.
• Target disease x other diseases: Distribution of number of patients (scatter diagram)	1 segment	
• Percentage of treated/potential patients calculated from the disease monitor	Gender and age	※ Paid basic package ※ Listed in a survey using both "MCN gram" and "Disease Monitor" data
• Number of treated/potential patients calculated from the disease monitor (weighted tabulation)	Age	

Research Overview

MCN gram
(Sample version)

Name of database	MCN gram
Overview	The number of patients treated with disease and procedure/surgery (number of cases performed) were obtained from physicians across Japan: 173 target diseases and 24 types of procedures/surgeries.
Research method	Web survey
Geographic area	Across Japan
Target population	Physicians of all specialtiess
Number of responding physicians	15,455 physicians (HP: 12,481, GP: : 2,947) *HP: facilities with ≧20 beds, GP: facilities with ≦19 beds.
Research panel	CareNet.com member physicians
Survey date	Monday, June 21 - Friday, July 9, 2021
Survey administrator	Macromill Carenet, Inc.
Contents of survey	• Total number of patients treated • Number of patients treated • Number of procedures and surgeries performed • Physicians' attitudes (what physicians want to achieve in the future) • Medical specialty qualifications • Attributes (e.g., age, facility location)

Name of database	Disease monitor (Patient survey)
Overview	Awareness of diseases/symptoms and patient visit were identified in the target general population. The targets were 183 diseases/symptoms in the 2021 survey and 177 diseases/ symptoms in the 2022 survey.
Research method	Web Survey
Geographic area	Across Japan
Target population	General population (men and women aged 15-89)
Number of respondents	The 2021 survey: 618,668 The 2022 survey: 666,309
Research panel	Survey monitors of Macromill and its partners
Survey date	FY2021 survey: Monday, February 22, 2021 – Monday, March 8, 2021 FY2022 survey: Thursday, February 17, 2022 – Thursday, March 3, 2022
Survey administrator	Macromill, Inc.
Contents of survey	• Awareness of diseases and symptoms • Doctor visit for diseases/symptoms (own and family) • Stage of cancer and treatment • Biologics used for immunological and allergic diseases • Dental visit • Attributes (monitor registry information)

[Type 2 Diabetes] Summary of Number of Patients

MCN gram (Sample version)

The estimated weighted number of patients in Japan is calculated from the results of "MCN gram" and "Disease Monitor" by multiplying the number of physicians and weighted population in Japan.

The number of patients in "Disease Monitor" (patient survey) is included when both "MCN gram" and "Disease Monitor" data are used.

Calculation procedure

[MCN gram (Physician survey)]

Number of patients treated in Japan (weighted tabulation): Calculated from the average number of patients in each specialty in "MCN gram" x the number of physicians in Japan (Ministry of Health, Labor and Welfare).

Number of patients by prefecture: The ratio of the number of patients by prefecture is calculated from the average number of patients in each specialty in "MCN gram" by prefecture x number of physicians in Japan by prefecture (Ministry of Health, Labor and Welfare), and the number of patients by prefecture is calculated by multiplying the ratio using the above "number of patients treated in Japan (weighted tabulation)" as population parameter.

Share of patients (by specialty): Calculated from the ratio of the weighted number of patients in each specialty to the "number of patients treated in Japan (weighted tabulation).

[Disease Monitor (Patient survey)]

Calculated from the percentage of responses by sex and age multiplied by weighted population.

Number of patients in Japan (weighted tabulation)

*Calculated from "MCN gram" (Physician survey)

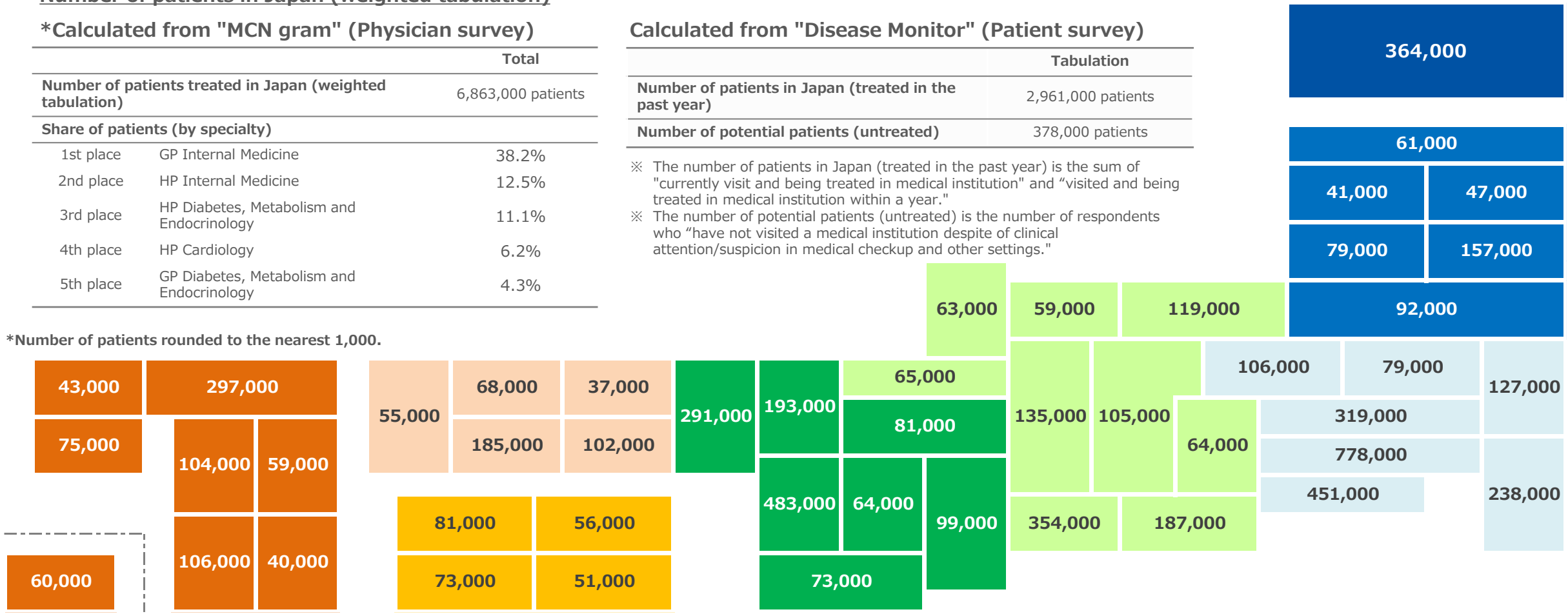
		Total
Number of patients treated in Japan (weighted tabulation)		6,863,000 patients
Share of patients (by specialty)		
1st place	GP Internal Medicine	38.2%
2nd place	HP Internal Medicine	12.5%
3rd place	HP Diabetes, Metabolism and Endocrinology	11.1%
4th place	HP Cardiology	6.2%
5th place	GP Diabetes, Metabolism and Endocrinology	4.3%

Calculated from "Disease Monitor" (Patient survey)

	Tabulation
Number of patients in Japan (treated in the past year)	2,961,000 patients
Number of potential patients (untreated)	378,000 patients

※ The number of patients in Japan (treated in the past year) is the sum of "currently visit and being treated in medical institution" and "visited and being treated in medical institution within a year."

※ The number of potential patients (untreated) is the number of respondents who "have not visited a medical institution despite of clinical attention/suspicion in medical checkup and other settings."



*Number of patients rounded to the nearest 1,000.

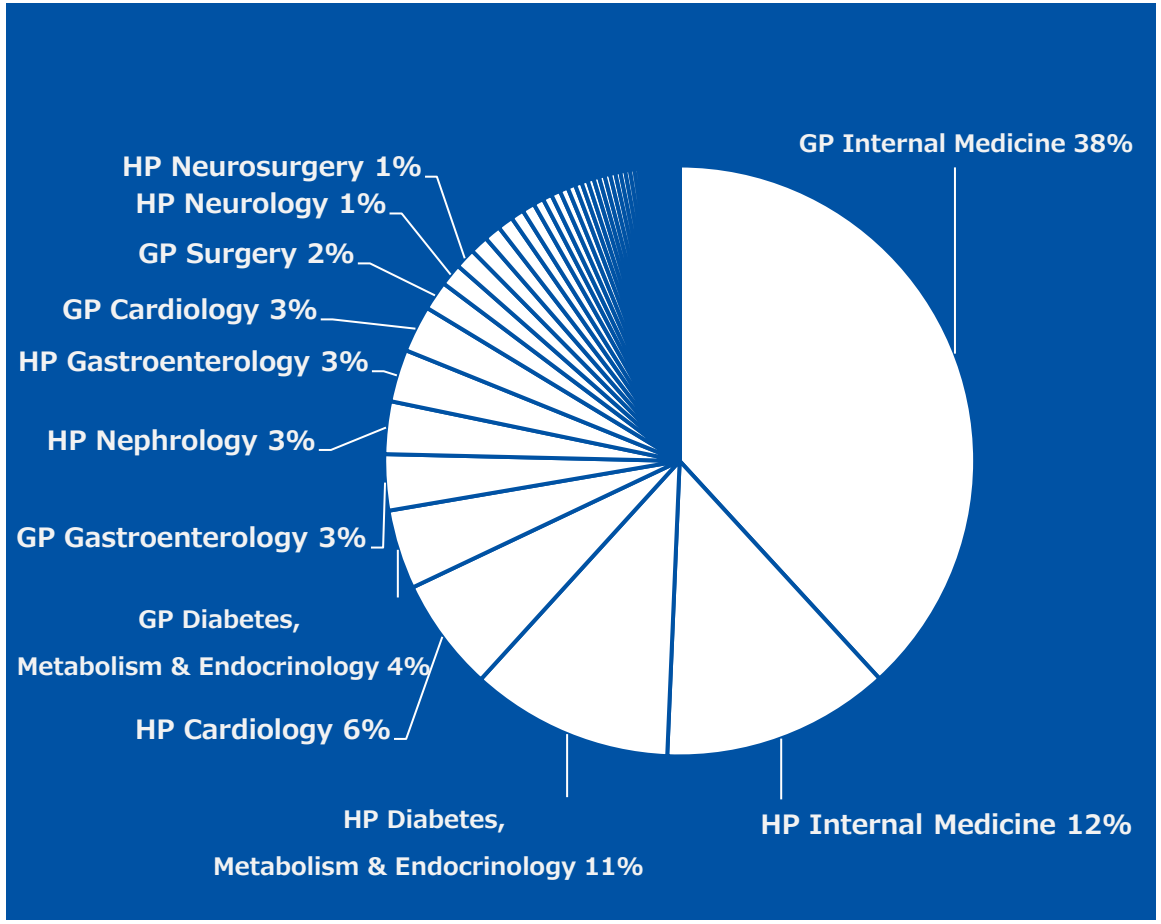
[Type 2 Diabetes] Share of Number of Patients/Physicians by Specialty

MCN gram (Sample version)

The charts show the share of the number of patients in each specialty based on the average number of patients by "HP/GP specialty" in "MCN gram" and the share of the number of physicians in each specialty based on the percentage of physicians in each specialty by "HP/GP specialty."

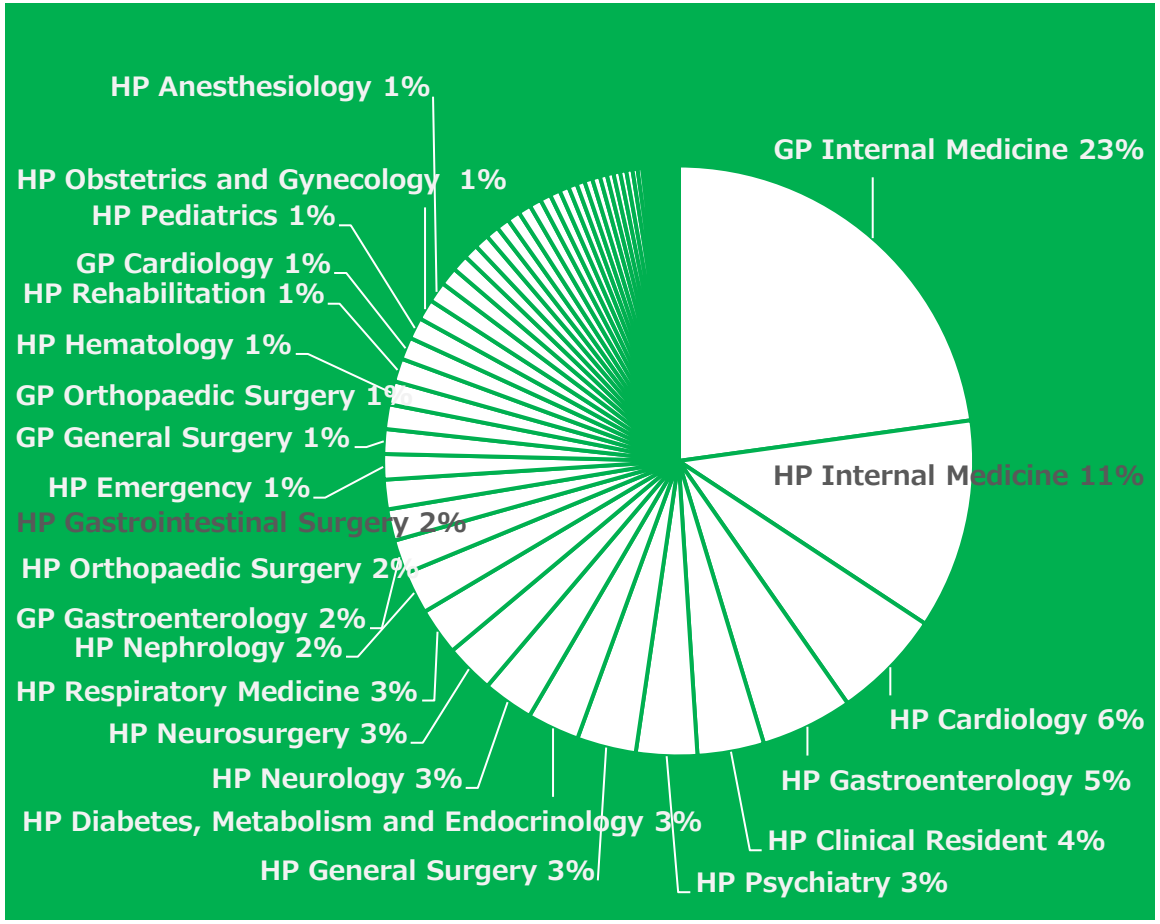
Calculation procedure
Share of number of patients (weighted tabulation): Calculated from the ratio of the weighted number of patients in each specialty to the "number of patients treated in Japan (weighted tabulation).
Share of number of physicians (weighted tabulation): Weighted tabulation of practicing physicians in Japan is calculated from the percentage of physicians treating ≧1 patient in each specialty multiplied by the number of physicians in Japan (Ministry of Health, Labor and Welfare), and the share of the number of physicians is calculated from the ratio of the number of practicing physicians in each specialty (weighted tabulation) to the total number of practicing physicians.

Share of number of patients (weighted tabulation)



*Specialties with less than 1% of the total number of patients are omitted.

Share of number of physicians (weighted tabulation)



*Specialties with less than 1% of the total number of patients are omitted.

[Type 2 Diabetes] Percentage of Practicing Physicians and Average Number of Patients [by Specialty]

MCN gram

(Sample version)

The tables show the percentage of practicing physicians, the average number of patients per physician, and the share of the number of patients for each HP/GP specialty.

Calculation procedure

Share of number of patients (weighted tabulation):
Calculated from the ratio of the weighted number of patients in each specialty to the "number of patients treated in Japan (weighted tabulation)."

	n=	Percentage of physicians	Average		Standard Deviation	Share in # of patients
HP All	**n=12481**	**47.8%**	**17.2**	**pts/month**	**50.5**	
HP Internal medicine	n=1243	79.6%	39.1	pts/month	76.5	12.5%
HP Cardiology	n=696	84.1%	39.1	pts/month	53.4	6.2%
HP Nephrology	n=301	81.7%	46.1	pts/month	64.8	2.9%
HP Gastroenterology	n=707	64.6%	16.6	pts/month	32.9	2.9%
HP Respiratory medicine	n=477	65.0%	11.4	pts/month	17.3	1.0%
HP Diabetes, metabolism and endocrinology	n=405	96.5%	168.6	pts/month	142.2	11.1%
HP Infectious disease medicine	n=37	67.6%	5.0	pts/month	126.3	0.0%
HP Rheumatology	n=156	65.4%	14.2	pts/month	19.5	0.3%
HP Allergology	n=8	12.5%	1.0	pts/month	14.6	0.0%
HP Hematology	n=210	69.0%	11.1	pts/month	16.6	0.5%
HP Neurology	n=402	81.8%	16.2	pts/month	23.7	1.2%
HP Psychiatry	n=727	41.8%	4.8	pts/month	10.4	0.9%
HP Psychosomatic medicine	n=16	37.5%	4.4	pts/month	12.4	0.0%
HP General medicine	n=97	85.6%	25.4	pts/month	83.5	0.1%
HP Emergency	n=202	54.0%	5.4	pts/month	15.9	0.3%
HP General surgery	n=405	46.7%	6.0	pts/month	16.1	0.9%
HP Cardiovascular surgery	n=144	48.6%	7.6	pts/month	19.9	0.3%
HP Gastrointestinal surgery	n=486	41.8%	3.6	pts/month	11.0	0.3%
HP Respiratory surgery	n=150	34.7%	2.8	pts/month	6.2	0.1%
HP Breast surgery	n=90	15.6%	1.3	pts/month	13.2	0.0%
HP Neurosurgery	n=398	65.8%	12.3	pts/month	21.4	1.1%
HP Orthopaedic surgery	n=798	18.2%	2.0	pts/month	10.1	0.4%
HP Rehabilitation	n=115	70.4%	9.3	pts/month	9.4	0.4%
HP Pediatrics	n=671	14.9%	0.7	pts/month	4.5	0.1%
HP Obstetrics and gynecology	n=281	20.6%	1.6	pts/month	10.0	0.2%
HP Urology	n=386	21.5%	3.6	pts/month	16.3	0.3%
HP Dermatology	n=274	15.0%	1.6	pts/month	9.5	0.1%
HP Plastic and reconstructive surgery	n=97	21.6%	1.4	pts/month	22.4	0.1%
HP Otorhinolaryngology	n=215	12.6%	0.7	pts/month	4.7	0.0%
HP Ophthalmology	n=244	13.1%	3.8	pts/month	19.3	0.3%
HP Anesthesiology	n=478	17.6%	1.9	pts/month	12.0	0.3%
HP Radiology	n=294	11.9%	1.3	pts/month	8.3	0.1%
HP Medical oncology	n=55	56.4%	10.7	pts/month	19.9	0.1%
HP Clinical pathology	n=60	6.7%	2.5	pts/month	6.1	0.1%
HP Clinical resident	n=1003	30.3%	1.9	pts/month	8.0	0.5%
HP Other	n=153	28.1%	2.6	pts/month	17.9	0.2%

	n=	Percentage of physicians	Average		Standard Deviation	Share in # of patients
GP All	**n=2974**	**56.4%**	**40.5**	**Person/month**	**84.4**	
GP Internal medicine	n=936	87.6%	66.2	Person/month	90.7	38.2%
GP Cardiology	n=134	86.6%	82.1	Person/month	96.4	2.6%
GP Nephrology	n=70	82.9%	45.9	Person/month	54.2	0.7%
GP Gastroenterology	n=156	78.8%	58.3	Person/month	79.4	3.1%
GP Respiratory medicine	n=61	78.7%	29.8	Person/month	59.6	0.3%
GP Diabetes, metabolism and endocrinolog	n=86	96.5%	266.2	Person/month	217.0	4.3%
GP Infectious disease medicine	n=2	100.0%	31.0	Person/month	251.2	0.0%
GP Rheumatology	n=22	81.8%	27.1	Person/month	11.2	0.1%
GP Allergology	n=4	50.0%	2.0	Person/month	14.2	0.0%
GP Hematology	n=4	50.0%	3.3	Person/month	5.1	0.0%
GP Neurology	n=34	94.1%	26.3	Person/month	26.8	0.2%
GP Psychiatry	n=181	25.4%	3.2	Person/month	14.4	0.2%
GP Psychosomatic medicine	n=14	42.9%	13.4	Person/month	11.6	0.1%
GP General medicine	n=36	97.2%	33.1	Person/month	35.6	0.1%
GP Emergency	n=13	61.5%	15.3	Person/month	39.2	0.0%
GP General surgery	n=44	77.3%	41.0	Person/month	52.0	1.6%
GP Cardiovascular surgery	n=7	71.4%	13.7	Person/month	5.9	0.0%
GP Gastrointestinal surgery	n=15	60.0%	35.7	Person/month	60.2	0.3%
GP Respiratory surgery	n=2	100.0%	5.0	Person/month	4.0	0.0%
GP Breast surgery	n=13	30.8%	4.8	Person/month	7.4	0.0%
GP Neurosurgery	n=24	75.0%	30.4	Person/month	27.2	0.5%
GP Orthopaedic surgery	n=158	25.3%	4.8	Person/month	20.8	0.6%
GP Rehabilitation	n=7	42.9%	8.1	Person/month	12.3	0.0%
GP Pediatrics	n=180	15.6%	2.4	Person/month	19.5	0.2%
GP Obstetrics and gynecology	n=92	18.5%	1.5	Person/month	14.7	0.1%
GP Urology	n=70	60.0%	23.3	Person/month	37.1	0.7%
GP Dermatology	n=168	7.1%	0.7	Person/month	6.5	0.1%
GP Plastic and reconstructive surgery	n=37	10.8%	0.7	Person/month	10.4	0.0%
GP Otorhinolaryngology	n=110	4.5%	0.5	Person/month	6.2	0.0%
GP Ophthalmology	n=140	7.9%	0.7	Person/month	34.7	0.1%
GP Anesthesiology	n=31	32.3%	2.4	Person/month	21.2	0.0%
GP Radiology	n=19	36.8%	1.7	Person/month	3.1	0.0%
GP Medical oncology	n=1	100.0%	7.0	Person/month	-	0.0%
GP Clinical pathology	n=1	0.0%	0.0	Person/month	-	0.0%
GP Clinical resident	n=42	26.2%	0.7	Person/month	2.5	0.0%
GP Other	n=60	23.3%	2.7	Person/month	37.5	0.1%

[Type 2 Diabetes] Distribution of Number of Patients [by Specialty]

MCN gram (Sample version)

The tables show the percentage of physicians by the number of patients treated for each HP/GP specialty.

What the number table represents:
The percentage of physicians treating the corresponding number of patients in each HP/GP specialty is calculated.
*The percentage of "HP all" and "GP all" are the unweighted number of physicians in the population.

	n=	0	1～9	10～19	20～29	30～49	50～69	70～99	100～199	≧200
HP All	**n=12481**	**52%**	**19%**	**9%**	**5%**	**5%**	**3%**	**2%**	**3%**	**2%**
HP Internal medicine	n=1243	20%	20%	13%	10%	11%	7%	6%	9%	4%
HP Cardiology	n=696	16%	13%	12%	11%	18%	11%	9%	7%	3%
HP Nephrology	n=301	18%	11%	8%	10%	21%	10%	7%	13%	3%
HP Gastroenterology	n=707	35%	26%	14%	6%	8%	5%	2%	3%	1%
HP Respiratory medicine	n=477	35%	28%	18%	7%	8%	2%	1%	1%	0%
HP Diabetes, metabolism and endocrinology	n=405	3%	3%	4%	1%	7%	6%	10%	30%	36%
HP Infectious disease medi	n=37	32%	46%	14%	3%	5%	0%	0%	0%	0%
HP Rheumatology	n=156	35%	22%	14%	12%	10%	4%	1%	2%	0%
HP Allergology	n=8	88%	13%	0%	0%	0%	0%	0%	0%	0%
HP Hematology	n=210	31%	36%	17%	7%	4%	2%	1%	2%	0%
HP Neurology	n=402	18%	29%	21%	12%	11%	6%	1%	1%	0%
HP Psychiatry	n=727	58%	23%	10%	5%	2%	1%	0%	0%	0%
HP Psychosomatic medicin	n=16	63%	19%	6%	13%	0%	0%	0%	0%	0%
HP General medicine	n=97	14%	36%	16%	10%	11%	5%	3%	2%	1%
HP Emergency	n=202	46%	38%	8%	4%	1%	1%	0%	0%	0%
HP General surgery	n=405	53%	30%	9%	3%	2%	1%	0%	0%	0%
HP Cardiovascular surgery	n=144	51%	22%	10%	8%	7%	1%	0%	0%	1%
HP Gastrointestinal surger	n=486	58%	28%	10%	2%	1%	0%	1%	0%	0%
HP Respiratory surgery	n=150	65%	25%	5%	4%	1%	1%	0%	0%	0%
HP Breast surgery	n=90	84%	10%	3%	1%	1%	0%	0%	0%	0%
HP Neurosurgery	n=398	34%	28%	17%	9%	7%	3%	1%	1%	1%
HP Orthopaedic surgery	n=798	82%	10%	5%	2%	0%	1%	0%	0%	0%
HP Rehabilitation	n=115	30%	40%	17%	7%	3%	2%	1%	1%	0%
HP Pediatrics	n=671	85%	13%	1%	1%	0%	0%	0%	0%	0%
HP Obstetrics and gynecol	n=281	79%	16%	2%	1%	1%	0%	0%	0%	0%
HP Urology	n=386	78%	11%	5%	3%	2%	2%	0%	0%	0%
HP Dermatology	n=274	85%	11%	1%	1%	1%	0%	0%	0%	0%
HP Plastic and reconstructi	n=97	78%	15%	4%	2%	0%	0%	0%	0%	0%
HP Otorhinolaryngology	n=215	87%	9%	3%	0%	0%	0%	0%	0%	0%
HP Ophthalmology	n=244	87%	5%	3%	2%	1%	1%	0%	1%	0%
HP Anesthesiology	n=478	82%	12%	3%	1%	1%	0%	0%	0%	0%
HP Radiology	n=294	88%	8%	3%	0%	0%	0%	0%	0%	0%
HP Medical oncology	n=55	44%	33%	11%	2%	5%	2%	0%	4%	0%
HP Clinical pathology	n=60	93%	2%	0%	2%	2%	0%	0%	2%	0%
HP Clinical resident	n=1003	70%	24%	4%	1%	1%	0%	0%	0%	0%
HP Other	n=153	72%	20%	5%	1%	1%	1%	0%	0%	0%

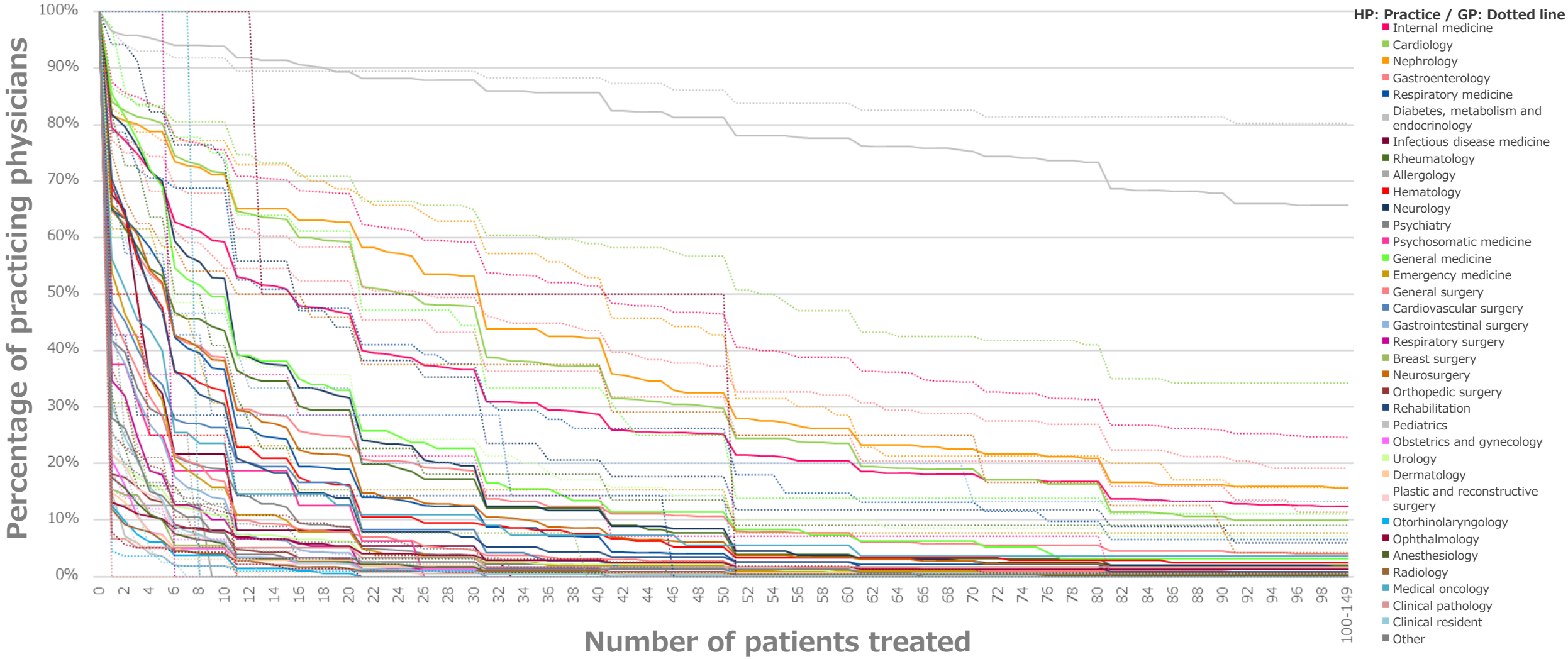
	n=	0	1～9	10～19	20～29	30～49	50～69	70～99	100～199	≧200
GP All	**n=2974**	**44%**	**11%**	**7%**	**5%**	**7%**	**7%**	**5%**	**8%**	**6%**
GP Internal medicine	n=936	12%	12%	8%	9%	13%	12%	10%	16%	9%
GP Cardiology	n=134	13%	6%	10%	6%	8%	14%	8%	20%	14%
GP Nephrology	n=70	17%	6%	9%	6%	20%	21%	6%	16%	0%
GP Gastroenterology	n=156	21%	11%	10%	9%	12%	8%	10%	12%	8%
GP Respiratory medicine	n=61	21%	10%	21%	10%	11%	13%	7%	5%	2%
GP Diabetes, metabolism and endocrinology	n=86	3%	5%	2%	0%	3%	3%	2%	22%	58%
GP Infectious disease med	n=2	0%	0%	50%	0%	0%	50%	0%	0%	0%
GP Rheumatology	n=22	18%	41%	18%	5%	5%	5%	0%	5%	5%
GP Allergology	n=4	50%	50%	0%	0%	0%	0%	0%	0%	0%
GP Hematology	n=4	50%	25%	25%	0%	0%	0%	0%	0%	0%
GP Neurology	n=34	6%	21%	29%	9%	18%	6%	6%	6%	0%
GP Psychiatry	n=181	75%	13%	6%	1%	5%	0%	0%	0%	0%
GP Psychosomatic medicin	n=14	57%	7%	7%	7%	14%	0%	7%	0%	0%
GP General medicine	n=36	3%	22%	14%	17%	19%	11%	3%	11%	0%
GP Emergency	n=13	38%	31%	15%	0%	0%	8%	0%	8%	0%
GP General surgery	n=44	23%	23%	2%	9%	11%	11%	9%	7%	5%
GP Cardiovascular surgery	n=7	29%	43%	0%	0%	14%	14%	0%	0%	0%
GP Gastrointestinal surger	n=15	40%	13%	13%	13%	0%	7%	0%	0%	13%
GP Respiratory surgery	n=2	0%	100%	0%	0%	0%	0%	0%	0%	0%
GP Breast surgery	n=13	69%	15%	0%	8%	8%	0%	0%	0%	0%
GP Neurosurgery	n=24	25%	21%	8%	8%	8%	4%	21%	4%	0%
GP Orthopaedic surgery	n=158	75%	14%	3%	5%	1%	1%	1%	0%	1%
GP Rehabilitation	n=7	57%	14%	14%	0%	14%	0%	0%	0%	0%
GP Pediatrics	n=180	84%	9%	3%	2%	1%	1%	0%	1%	0%
GP Obstetrics and gynecol	n=92	82%	12%	3%	2%	1%	0%	0%	0%	0%
GP Urology	n=70	40%	13%	11%	11%	10%	6%	1%	6%	1%
GP Dermatology	n=168	93%	4%	2%	0%	0%	1%	0%	0%	0%
GP Plastic and reconstructi	n=37	89%	5%	5%	0%	0%	0%	0%	0%	0%
GP Otorhinolaryngology	n=110	95%	3%	1%	0%	1%	0%	0%	0%	0%
GP Ophthalmology	n=140	92%	4%	3%	1%	0%	0%	0%	0%	0%
GP Anesthesiology	n=31	68%	19%	10%	0%	3%	0%	0%	0%	0%
GP Radiology	n=19	63%	32%	5%	0%	0%	0%	0%	0%	0%
GP Medical oncology	n=1	0%	100%	0%	0%	0%	0%	0%	0%	0%
GP Clinical pathology	n=1	100%	0%	0%	0%	0%	0%	0%	0%	0%
GP Clinical resident	n=42	74%	26%	0%	0%	0%	0%	0%	0%	0%
GP Other	n=60	77%	13%	7%	0%	3%	0%	0%	0%	0%

[Type 2 Diabetes] Percentage of Practicing Physicians (Cumulative Ratio)

MCN gram (Sample version)

The percentage of physicians treating equal to or more than the number of patients on the "horizontal axis (number of patients treated)" is shown by HP/GP specialty.

What the graph represents:
The percentage of physicians treating "equal to or more than 0" patients is set as "100%," and the percentage of practicing physicians gradually decreases as the number of patients increases.

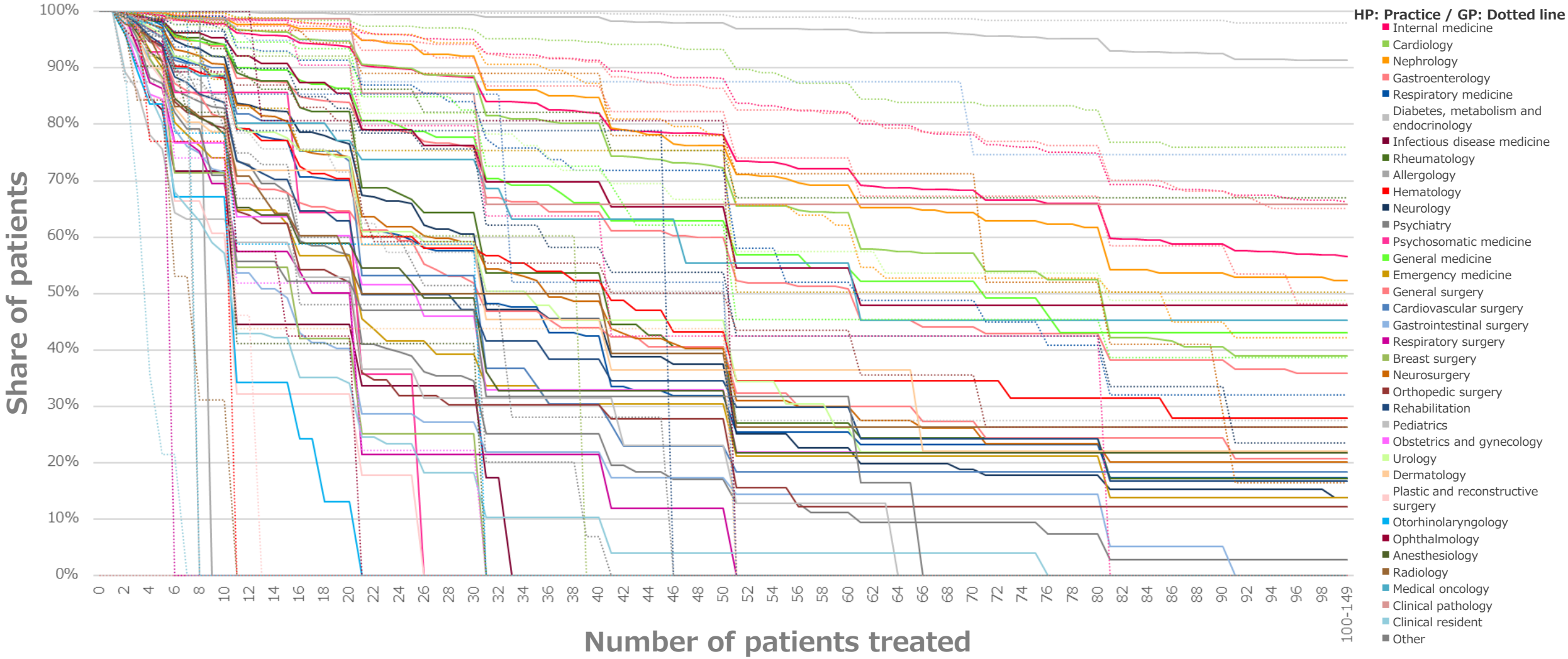


[Type 2 Diabetes] Share of Number of Patients (Cumulative Ratio)

MCN gram
(Sample version)

The chart shows the share of the total number of patients treated by physicians who treat equal to or more than the number of patients on the "horizontal axis (number of patients treated)" out of the total number of patients treated by all physicians by HP/GP specialty.

What the graph represents:
The percentage of physicians treating "equal to or more than 1" patient is set as "100%," and the share of patients gradually decreases if it is limited to physicians treating a large number of patients.
※ Legends and graphs are color-coded by area.
※ Graphs are prepared by disease and procedure.



[Type 2 Diabetes] Relationship between Total Number of Patients Treated and Disease [HP Internal Medicine Sample]

MCN gram (Sample version)

option

The relationship between the number of patients treated for "Type 2 diabetes" and “disease/procedure group” are shown.

The tabulation method is subject to change.

Type 2 diabetes

Disease/procedure group	Standard partial regression coefficient
Factor 1 Lifestyle disease	0.755
Factor 2 Hematologic cancer	0.047
Factor 3 Heart disease	0.034
Factor 4 Mental disorder	-0.018
Factor 5 Liver disease	-0.026
Factor 6 Cancer	-0.036
Factor 7. Immunological disease	-0.124

Calculation procedure

[Step 1]

All diseases and procedures/ techniques other than the "title disease" were categorized using principal component analysis.

※ Advanced recurrent cancer was excluded.

※ “Principal Component Score“ on the right shows the magnitude of contribution to each principal component.

[Step 2]

Multiple regression analysis was used to determine the association using "title disease" as the objective variable and “Top 7 principal components" as the explanatory variable.

※ "Standard Partial Regression Coefficient" on the right shows the degree of association between the objective variable and each principal component.

Factor 1	PCS
Reflux esophagitis	0.893
Osteoporosis	0.878
Hypertension	0.857
Low back pain	0.836
Constipation	0.814
Hypercholesterolemia	0.809
Insomnia	0.792

Factor 2	PCS
Non-Hodgkin's lymphoma	1.001
Diffuse large B-cell lymphoma	0.931
Malignant lymphoma	0.908
Multiple myeloma	0.842
Breast cancer	0.582
Myelodysplastic syndrome	0.568
Chronic myeloid leukemia	0.543

Factor 3	
Coil embolization of cerebral aneurysm	1.080
Thromboprophylaxis for AIS	1.075
BRTO	1.071
Familial amyloid polyneuropathy	1.070
PSE	1.067
BAE	1.058
Liver transplantation	1.043

Factor 4	
Depression	0.745
Schizophrenia	0.716
Dysmenorrhea	0.690
Bipolar disorder	0.676
Diabetic retinopathy	0.661
Pediatric ADHD	0.640
Glaucoma	0.592

Factor 5	
Hepatitis C	0.908
Hepatitis B	0.900
Cirrhosis	0.826
Compensated cirrhosis due to hepatitis C virus	0.750
Hepatocellular carcinoma (HCC)	0.729
Ulcerative colitis	0.545
Non-alcoholic steatohepatitis (NASH)	0.524

Factor 6	
Non-small cell lung cancer	0.745
Stomach cancer	0.469
Catheter ablation	0.456
Small cell lung cancer	0.451
Breast cancer	0.429
COVID-19	0.423
TAVI/TAVR	0.419

Factor 7.	
Adult ADHD	0.656
Microscopic polyangiitis	0.651
Behcet's disease	0.642
Rheumatoid arthritis	0.593
Systemic lupus erythematosus (SLE)	0.575
Psoriasis	0.529
Endometriosis	0.501

[Type 2 Diabetes] Relationship between Number of Patients Treated and Number of Patients with Disease [HP Internal Medicine Sample]

MCN gram

(Sample version)

The relationship between the number of patients treated for "type 2 diabetes" and "all diseases and procedures" other than "type 2 diabetes" are shown.

The tabulation method is subject to change.

Calculation procedure

Multiple regression analysis was used to determine the associ... number of patients treated" as the objective variable and "all d... the explanatory variable.

※ Advanced recurrent cancer was excluded.

※ The "standard partial regression coefficient" shows the degree of ... disease/procedure.

option

*Display of top 75 diseases and procedures with single correlation

	% of practicing physicians	Average		Standard Deviation	Standard Partial Regression Coefficient	Single correlation
Type 2 diabetes	**79.6%**	**39.1**	**pts/month**	**67.8**	**-**	**-**
Hypercholesterolemia	67.2%	33.1	pts/month	57.2	0.357	0.816
Hypertension	83.1%	56.4	pts/month	86.5	0.270	0.769
Gout/hyperuricemia	58.6%	12.3	pts/month	24.8	-0.053	0.663
Constipation	71.7%	28.0	pts/month	43.8	-0.022	0.614
Diabetic nephropathy	43.4%	6.7	pts/month	18.1	0.171	0.597
Insomnia	55.7%	17.7	pts/month	33.8	0.112	0.570
Reflux esophagitis	65.0%	14.5	pts/month	30.6	0.070	0.549
Atrial fibrillation (AF)	68.4%	9.3	pts/month	18.0	-0.002	0.532
Osteoporosis	46.4%	10.4	pts/month	27.3	0.097	0.527
Chronic heart failure (CHF)	72.2%	11.4	pts/month	21.0	0.098	0.493
Low back pain	45.9%	8.2	pts/month	18.7	-0.035	0.490
Hay fever	36.8%	4.9	pts/month	15.1	0.135	0.486
Allergic rhinitis	47.0%	5.6	pts/month	14.6	-0.037	0.475
CKD	44.3%	10.3	pts/3 month	28.3	-0.070	0.464
Overactive bladder (OAB)	40.9%	4.4	pts/month	12.6	-0.041	0.461
CAD (MI/angina)	40.3%	5.0	pts/month	13.1	-0.069	0.460
Cardiac arrhythmia	49.6%	6.8	pts/month	16.6	-0.004	0.456
COPD	64.8%	7.5	pts/month	15.8	-0.035	0.454
Anemia	59.1%	7.3	pts/month	13.7	-0.055	0.443
Benign prostatic hyperplasia (BPH)	43.6%	4.8	pts/month	11.7	-0.098	0.442
Hypothyroidism	46.7%	3.6	pts/year	7.7	0.073	0.442
Bronchial asthma	64.2%	7.5	pts/month	16.4	0.001	0.434
Type 1 diabetes	21.8%	1.4	pts/month	5.0	0.290	0.420
Alzheimer's disease	49.2%	10.0	pts/3 month	21.1	0.083	0.415
Headache	43.0%	4.6	pts/month	12.5	0.113	0.414
Chronic renal failure	42.8%	7.6	pts/3 month	22.1	0.050	0.410
Renal anemia	44.3%	4.8	pts/month	13.9	-0.094	0.397
Pollakiuria	36.4%	4.5	pts/month	13.6	-0.012	0.395
Knee osteoarthritis	32.1%	4.7	pts/month	13.5	-0.034	0.395
Non-alcoholic steatohepatitis (NASH)	26.0%	2.8	pts/month	12.2	0.128	0.392
Obesity	36.0%	6.7	pts/month	22.3	0.029	0.388
Cerebral infarction	40.1%	5.9	pts/3 month	16.6	0.071	0.363
Neuropathic pain	22.5%	2.5	pts/3 month	9.8	0.027	0.356
Arteriosclerosis obliterans (ASO)	24.5%	2.2	pts/3 month	7.7	0.008	0.349
Migraine	36.0%	2.5	pts/month	7.8	-0.077	0.332
Dementia	50.2%	12.4	pts/3 month	27.8	-0.110	0.320
Irritable bowel syndrome	33.5%	2.8	pts/month	8.5	-0.111	0.317
Vascular dementia	29.6%	3.5	pts/3 month	10.6	-0.001	0.280
Parkinson's disease	34.0%	2.7	pts/3 month	9.0	-0.021	0.273
Herpes zoster	29.3%	1.1	pts/3 month	3.6	0.039	0.262
Ventricular arrhythmia	15.5%	1.7	pts/3 month	8.7	-0.004	0.253
Nephrotic syndrome	13.4%	0.9	pts/3 month	5.6	0.046	0.251
Cirrhosis	28.2%	1.8	pts/3 month	5.7	0.041	0.237
Atopic dermatitis	16.5%	1.6	pts/3 month	8.6	0.001	0.227
Epilepsy	31.0%	2.5	pts/3 month	9.7	0.015	0.226
Onychomycosis	24.8%	2.0	pts/3 month	8.0	-0.042	0.225
Meniere's disease	13.8%	1.1	pts/year	4.9	-0.013	0.214
Ulcerative colitis	17.9%	1.2	pts/3 month	4.5	-0.039	0.211
Pressure ulcer	32.3%	1.9	pts/months	5.2	-0.003	0.209
Pneumonia	72.4%	9.3	pts/3 month	14.4	-0.010	0.206
Hyperthyroidism	32.4%	2.2	pts/year	11.6	0.006	0.203
Allergic conjunctivitis	12.9%	1.8	pts/year	8.4	0.042	0.201
Hepatitis C	21.0%	1.7	pts/3 month	8.1	-0.052	0.195
Crohn's disease	10.1%	0.7	pts/year	4.3	0.049	0.191
Compensated cirrhosis due to hepatitis C virus	10.2%	0.6	pts/year	3.2	0.073	0.187
Depression	33.0%	3.2	pts/months	14.6	-0.129	0.172
Prostate cancer	16.3%	0.7	pts/3 month	2.8	0.003	0.168
Rheumatoid arthritis	30.6%	3.9	pts/months	28.7	-0.021	0.167
Myelodysplastic syndrome	8.9%	0.3	pts/3 month	1.9	-0.015	0.163
Hemodialysis	16.1%	2.7	pts/months	12.6	0.079	0.162
Stomach cancer	22.1%	1.1	pts/3 month	3.8	0.015	0.160
Colorectal cancer (CRC)	25.0%	1.3	pts/3 month	4.9	0.000	0.160
Hepatitis B	18.1%	1.5	pts/3 month	6.8	-0.015	0.157
Diabetic retinopathy	8.4%	0.6	pts/months	3.3	0.041	0.153
Alcohol dependence	13.1%	0.6	pts/3 month	3.1	0.065	0.151
Interstitial pneumonia	32.3%	2.1	pts/3 month	8.1	0.012	0.150
Cataract	13.9%	1.4	pts/months	6.5	-0.022	0.147
Acute heart failure	24.4%	2.9	pts/year	9.8	-0.008	0.147
Acute kidney injury	17.8%	1.0	pts/3 month	4.0	-0.006	0.143
Hyperparathyroidism	6.2%	0.6	pts/year	5.1	-0.087	0.142
Idiopathic dilated cardiomyopathy	4.7%	0.4	pts/year	3.1	0.019	0.141
Systemic lupus erythematosus (SLE)	12.6%	0.6	pts/year	3.6	0.032	0.141
Pediatric allergies	2.0%	0.3	pts/3 month	3.7	-0.017	0.129
Bipolar disorder	9.2%	0.7	pts/months	5.5	0.106	0.115
Glaucoma	10.4%	0.6	pts/months	3.1	0.030	0.114

Distribution of Number of Patients [Type 2 Diabetes] x Other Diseases [HP Internal Medicine Sample]

MCN gram

(Sample version)

The tables show the percentage of physicians by the number of patients treated for each disease by the number of patients treated for "type 2 diabetes."

What the number table represents:
The number of physicians is calculated by the di… number of patients with "other diseases," by the … physicians treating the number of patients with th… in the "title specialty."

option

n=1243

(Percentage of responding physicians)

(Example) Hypertension

	n=	0	1～9	10～19	20～29	30～49	50～69	70～99	100～199	≧200
Type 2 DM	**n=1243**	**17%**	**12%**	**11%**	**11%**	**13%**	**8%**	**8%**	**13%**	**7%**
0	n=254	57%	16%	9%	9%	2%	3%	1%	2%	0%
1～9	n=252	15%	37%	27%	9%	7%	2%	0%	2%	0%
10～19	n=159	3%	6%	21%	30%	26%	8%	3%	3%	0%
20～29	n=123	7%	2%	2%	20%	38%	12%	11%	7%	0%
30～49	n=142	6%	1%	1%	13%	28%	19%	19%	12%	2%
50～69	n=58	5%	0%	0%	3%	9%	29%	21%	28%	5%
70～99	n=101	2%	0%	1%	4%	3%	7%	31%	45%	8%
100～199	n=106	0%	0%	1%	0%	2%	4%	5%	49%	40%
≧200	n=48	2%	4%	0%	0%	0%	4%	0%	15%	75%

(Percentage of respondi… physicians)

(Example) CKD

	n=	0	1～9	10～19	20～29	30～49	50～69	70～99	100～199	≧200
Type 2 DM	**n=1243**	**56%**	**18%**	**10%**	**6%**	**5%**	**1%**	**2%**	**1%**	**1%**
0	n=254	89%	7%	3%	0%	0%	0%	1%	0%	0%
1～9	n=252	69%	25%	6%	0%	0%	0%	0%	0%	0%
10～19	n=159	52%	31%	9%	4%	2%	1%	1%	0%	0%
20～29	n=123	45%	25%	15%	9%	7%	0%	0%	0%	0%
30～49	n=142	35%	23%	20%	9%	9%	2%	1%	0%	0%
50～69	n=58	40%	17%	21%	14%	7%	0%	2%	0%	0%
70～99	n=101	36%	14%	16%	12%	11%	3%	6%	1%	2%
100～199	n=106	35%	5%	9%	12%	17%	5%	9%	6%	2%
≧200	n=48	23%	2%	8%	10%	10%	8%	10%	21%	6%

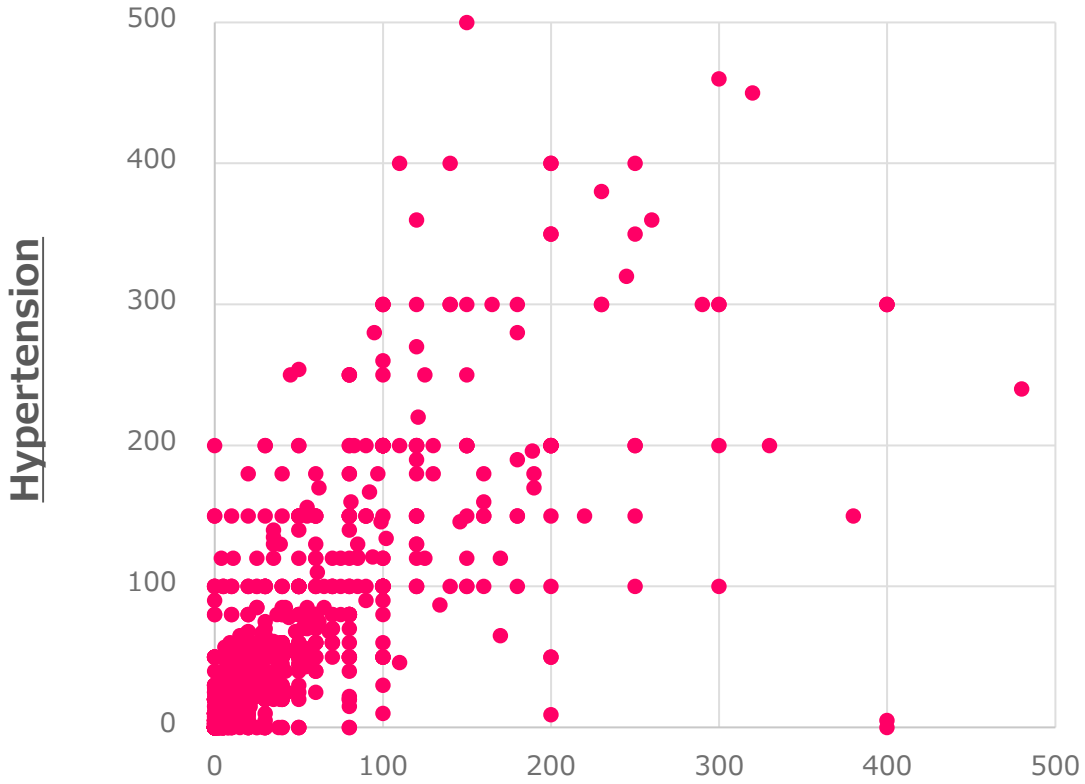
Distribution of Number of Patients with [Type 2 Diabetes] x Other Diseases (Scatter Diagram) [HP Internal Medicine Sample]

MCN gram
(Sample version)

option

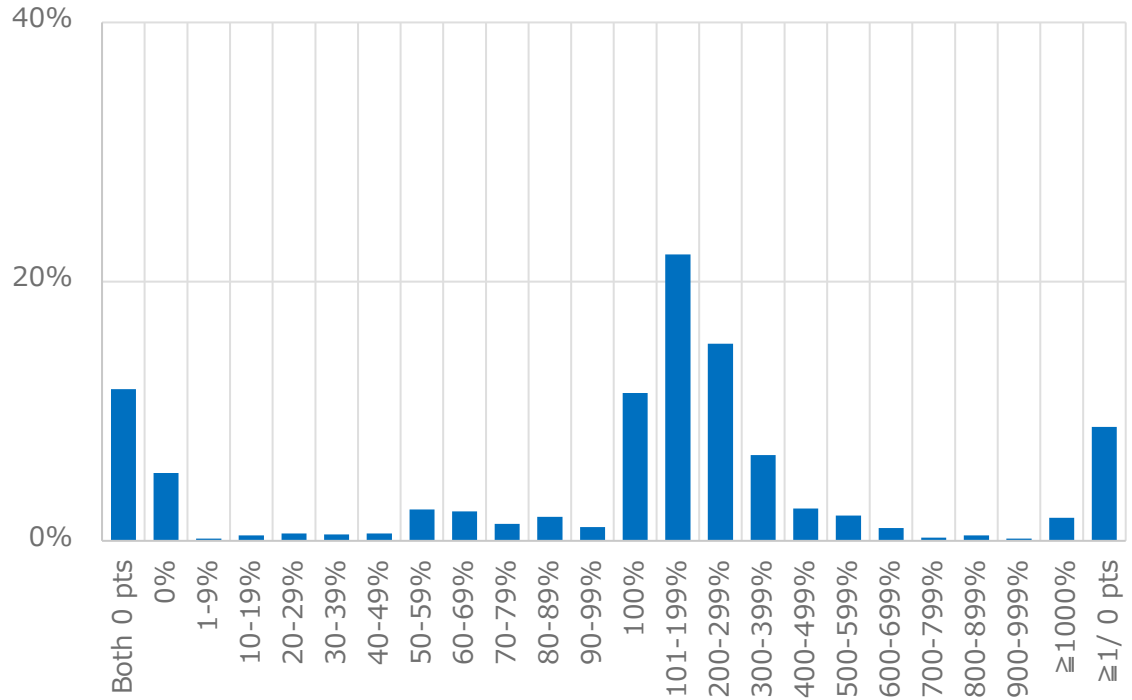
n=1243

(Number of patients: pts)



Type 2 diabetes

(Percentage of patients)



Ratio of the number of patients with hypertension/ the number of patients with type 2 diabetes

[Type 2 Diabetes] Percentage of Treated/Potential Patients from the Disease Monitor

MCN gram (Sample version)

Based on the results of the Disease Monitor, the percentage of responses are shown by sex and age.

What the number table represents:
The percentage of respondents who are aware of the "title disease" in the Disease monitor (patient survey) and their doctor visit are shown.

Disease Monitor (Patient survey)

(Percentage of responses)

	Age	n=	No doctor visit despite of clinical attention/suspision in medical checkup and other settings	Currently being treated in a medical institution	Doctor visit within 1 year for treatment	Doctor visit within 2 years for treatment	Doctor visit prior to 2 years for treatment	This disease is not my problem/ (None)	Don't know
Male	15~19	n=3426	0%	0%	0%	0%	0%	20%	80%
	20~24	n=6774	0%	0%	0%	0%	0%	17%	82%
	25~29	n=9619	0%	0%	0%	0%	0%	16%	83%
	30~34	n=15895	0%	0%	0%	0%	0%	17%	82%
	35~39	n=21211	0%	1%	0%	0%	0%	18%	81%
	40~44	n=29974	0%	1%	0%	0%	0%	18%	80%
	45~49	n=45377	0%	2%	0%	0%	0%	18%	80%
	50~54	n=53671	0%	3%	0%	0%	0%	17%	79%
	55~59	n=48674	0%	4%	0%	0%	0%	17%	78%
	60~64	n=38728	0%	5%	0%	0%	0%	17%	77%
	65~69	n=25841	1%	7%	0%	0%	0%	16%	76%
	70~74	n=17568	0%	8%	0%	0%	1%	15%	75%
	75~79	n=6102	0%	9%	0%	0%	1%	15%	75%
	80~84	n=2592	1%	9%	0%	0%	1%	14%	75%
	85~89	n=633	0%	7%	0%	0%	1%	14%	78%

(Percentage of responses)

	Age	n=	No doctor visit despite of clinical attention/suspision in medical checkup and other settings	Currently being treated in a medical institution	Doctor visit within 1 year for treatment	Doctor visit within 2 years for treatment	Doctor visit prior to 2 years for treatment	This disease is not my problem/ (None)	Don't know
Female	15~19	n=12321	0%	0%	0%	0%	0%	36%	64%
	20~24	n=24178	0%	0%	0%	0%	0%	34%	66%
	25~29	n=35912	0%	0%	0%	0%	0%	32%	68%
	30~34	n=42321	0%	0%	0%	0%	0%	32%	68%
	35~39	n=40613	0%	0%	0%	0%	0%	32%	67%
	40~44	n=38580	0%	1%	0%	0%	0%	31%	68%
	45~49	n=42673	0%	1%	0%	0%	0%	30%	68%
	50~54	n=38761	0%	2%	0%	0%	0%	29%	69%
	55~59	n=27986	0%	2%	0%	0%	0%	29%	68%
	60~64	n=17740	0%	2%	0%	0%	0%	27%	71%
	65~69	n=9754	0%	2%	0%	0%	0%	25%	72%
	70~74	n=6301	0%	3%	0%	0%	0%	24%	72%
	75~79	n=2062	1%	4%	0%	0%	1%	25%	70%
	80~84	n=788	1%	4%	0%	0%	0%	18%	76%
	85~89	n=234	1%	3%	0%	0%	1%	18%	77%

[Type 2 Diabetes] Number of Treated/Potential Patients from the Disease Monitor (Weighted Tabulation)

MCN gram

(Sample version)

The table shows the weighted number of patients multiplied the results of the Disease Monitor by the sex-and-age specific weighted population.

Calculation procedure
Weighted tabulation is calculated by multiplying sex and age-specific results by population (Ministry of Internal Affairs and Communications).
The number of persons in each age group is the sum of the weighted tabulations for "male" and "female"; "total" is the sum of the weighted tabulations for each sex and age group.

Disease Monitor (Patient survey)

(Percentage of responses)

	Population	No doctor visit despite of clinical attention/suspicion in medical checkup and other settings	Currently being treated in a medical institution.	Doctor visit within 1 year for treatment	Doctor visit within 2 year for treatment	Doctor visit prior to 2 years for treatment	This disease is not my problem.	Don't know
All	107,911,600	378,000	2,847,000	114,000	49,000	281,000	24,339,000	79,901,000
	100%	0%	3%	0%	0%	0%	23%	74%
15~19	5,550,000	20,000	8,000	4,000	2,000	7,000	1,522,000	3,987,000
	100%	0%	0%	0%	0%	0%	27%	72%
20~24	6,250,000	16,000	9,000	3,000	3,000	3,000	1,576,000	4,640,000
	100%	0%	0%	0%	0%	0%	25%	74%
25~29	6,390,000	14,000	11,000	3,000	2,000	3,000	1,513,000	4,844,000
	100%	0%	0%	0%	0%	0%	24%	76%
30~34	6,490,000	17,000	18,000	3,000	1,000	4,000	1,586,000	4,862,000
	100%	0%	0%	0%	0%	0%	24%	75%
35~39	7,300,000	18,000	36,000	1,000	2,000	5,000	1,814,000	5,424,000
	100%	0%	0%	0%	0%	0%	25%	74%
40~44	8,060,000	24,000	63,000	5,000	3,000	7,000	1,974,000	5,984,000
	100%	0%	1%	0%	0%	0%	24%	74%
45~49	9,580,000	27,000	136,000	7,000	3,000	13,000	2,288,000	7,106,000
	100%	0%	1%	0%	0%	0%	24%	74%
50~54	9,350,000	30,000	209,000	7,000	3,000	19,000	2,149,000	6,934,000
	100%	0%	2%	0%	0%	0%	23%	74%
55~59	7,900,000	26,000	253,000	8,000	4,000	21,000	1,824,000	5,764,000
	100%	0%	3%	0%	0%	0%	23%	73%
60~64	7,400,000	25,000	281,000	9,000	4,000	25,000	1,604,000	5,452,000
	100%	0%	4%	0%	0%	0%	22%	74%
65~69	7,670,000	27,000	352,000	11,000	4,000	28,000	1,600,000	5,647,000
	100%	0%	5%	0%	0%	0%	21%	74%
70~74	9,560,000	38,000	541,000	17,000	7,000	42,000	1,922,000	6,992,000
	100%	0%	6%	0%	0%	0%	20%	73%
75~79	6,790,000	33,000	412,000	7,000	3,000	41,000	1,387,000	4,905,000
	100%	0%	6%	0%	0%	1%	20%	72%
80~84	5,690,000	37,000	359,000	14,000	8,000	30,000	934,000	4,308,000
	100%	1%	6%	0%	0%	1%	16%	76%
85~89	3,930,000	26,000	159,000	15,000	0	33,000	646,000	3,052,000
	100%	1%	4%	0%	0%	1%	16%	78%

Pricing

MCN gram

(Sample version)

	Data content	Price
Cross tabulation table • Excel	The following documents on all diseases and procedures/surgeries (approx. 200 types) by HP/GP specialty • Distribution of number of patients (crosstabulation table) • Percentage of practicing physicians, average number of patients, standard deviation	※ Please contact us.
Basic package (Disease summary) • PDF document • Tabulation data (Excel)	• Summary of number of patients (weighted number of patients in Japan, number of patients by prefecture) • Share of number of patients/physicians in specialty • Percentage of practicing physicians and average number of patients [by specialty] • Distribution of number of patients [by specialty] • Percentage of practicing physicians (cumulative ratio) • Share of patients (cumulative ratio) • A1. Relationship between total number of patients treated and disease • A2. Relationship between number of patients treated and number of patients with disease • B1. Target disease x other diseases: Distribution of number of patients • B2. Target disease x other diseases: Distribution of number of patients (scatter diagram) Listed as an appendix for a survey using both "MCN gram" and "Disease Monitor" data Disease Monitor (patient survey) data by age group • Percentage of treated/potential patients calculated from the disease monitor • Number of treated/potential patients calculated from the disease monitor (weighted tabulation)	※ Please contact us. ※ The basic package includes one pattern of each "A" and "B." ※ Please contact us if you require only some of the basic data.
Optional documents • PDF document • Tabulation data (Excel)	A1. Relationship between total number of patients treated and disease A2. Relationship between number of patients treated and number of patients with disease B1. Target disease x other diseases: Distribution of number of patients B2. Target disease x other diseases: Distribution of number of patients (scatter diagram)	※ We will provide an estimate based on the number of processes. **Document unit** **A: 1 pattern** **B: 5 patterns (target disease x 5 diseases)**
Raw data • Excel	• Total number of patients treated and number of patients with target disease • Physician type (cluster analysis) • Attributes (specialty, management type, number of beds, specialists, age, facility location)	※ Please contact us.

Build your Data Culture

For inquiries about the results of this survey, please contact

MCN gram, Macromill Carenet Inc.

MAIL: contact@macromillcarenet.jp

Contact form:https://www.macromillcarenet.jp/english/form.php

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