# 厚生労働科学研究費補助金 (がん対策推進総合研究事業) (分担)研究報告書

### 医療情報収集・提供の仕組みの国際比較

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研究要旨 がん登録等の推進に関する法律(がん登録推進法、平成25年法律第111号)に 基づき集められた全国のがんの罹患の情報(全国がん登録情報)は、がんに係る調査研究 やがん対策の企画立案又は実施のために利用できる。2019年から国立がん研究センター では、「全国がん登録 情報提供の窓口」を開設し、全国がん登録情報の利用申請を受け 付けており、今後当該情報の利活用はさらに進むことが予想される。そこで、本分担研究 の目的は、任期となる三年間を通して、欧米におけるがん登録データを含む医療情報収 集・提供・利用状況を調査し、調査結果を基に、我が国でのあり方を提言することである。 昨今の情報保護の厳格化を踏まえ、とりわけ欧州を中心に、がん登録情報を初めとする 医療情報の収集方法及び研究や行政利用での提供方法を調査した結果は、我が国のあり 方に参照できる。欧州で取り入れられているデータの提供方法、その安全性と簡便性、さ らに利用方法や利用範囲について今後確認していきたい。本年度は、昨年度作成した調査 票を精査・修正し、国際がん登録協議会(International Association of Cancer Regist ries) へ事前調査を行った。来年度は、事前調査のフィードバックを基に最終化した調査 票を国際がん登録協議会(International Association of Cancer Registries)や欧州が ん登録ネットワーク (European Network of Cancer Registries) のネットワークを介 し、各国の統計担当者へ配布する。来年度の報告書では、調査結果を基に、諸外国におけ る医療情報集・提供・利用状況についてまとめたい。本調査により、我が国の医療情報提 供の仕組みを検討する上で、有益な基礎情報が収集できる。

### A. 研究目的

がん登録等の推進に関する法律(がん登録推進法、平成25年法律第111号)に基づき集められた全国のがんの罹患の情報(全国がん登録情報)は、がんに係る調査研究やがん対策の企画立案又は実施のために利用できる。2019年から国立がん研究センターでは、「全国がん登録情報の利用申請を受開設し、全国がん登録情報の利用申請を受

け付けていており、今後当該情報の利活用 はさらに進むことが予想される。

そこで、本分担研究の目的は、任期となる 三年間を通して、欧米におけるがん登録データを含む医療情報収集・提供・利用状況を 調査し、調査結果を基に、我が国でのあり方 を提言することである。

### B. 研究方法

本年度は、国際がん登録協議会 (International Association of Cancer Registries) へ最新版の調査票を送付し事前 調査を行った(添付1)。調査項目は10項 目から成り、以下の通りである:

- がん登録の仕組み(Cancer Registry Data)
- ・ がん検診制度(Cancer Screening)
- ・ 死亡データ(Mortality Database)
- ・ 健康保険の請求データ(Health Insurance Claim Data)
- バイオバンク/ゲノム情報データ (Biobank or genomic information database)
- · 人口動態調査(Census or other sociodemographic database)
- ・ その他の臨床系データについて(Other clinical database)
- ・ データリンケージについて(Data linkage)
- ・ データ利用に関して(Data usage)
- ・ 調査を実施する上での課題(Barriers to conduct the research)

事前調査を基に最終化した調査票を、国際がん登録協議会(International Association of Cancer Registries)や欧州がん登録ネットワーク(European Network of Cancer Registries)のネットワークを介し、各国における統計担当者へ来年度より配布する。

### C. 研究結果

昨今の情報保護の厳格化を踏まえ、とり わけ欧州を中心に、がん登録情報を初めと する医療情報の収集方法及び研究や行政利用での提供方法を調査した結果は、我が国のあり方に参照できる。来年度より実施する調査結果を基に、欧州で取り入れられているデータの提供方法、その安全性と簡便性、さらに利用方法や利用範囲について今後確認していきたい。

### D. 考察

本調査票を基に、医療情報の収集や提供の仕組みについて国際比較を行うことが可能になるであろう。過去に、Siesling (2015)は、欧州におけるがん登録の仕組みの整理を行っている。本調査を実施することにより、より幅広い国々におけるがん登録ならびに医療情報の仕組み、その提供方法や利用状況を把握することが可能である。

我が国の医療情報提供の仕組みを検討 する上で、これらの情報は有益な基礎情報 となることが期待される。

# E. 結論

本分担研究では、欧米におけるがん登録データを含む医療情報の収集・提供・利用状況を調査する。10項目から構成される調査票を、来年度より各国の統計担当者へ配布し、回答を収集する。調査結果は、来年度の報告書で纏める。本調査により、我が国の医療情報提供の仕組みを検討する上で、有益な基礎情報が収集できる。

# F. 健康危険情報

なし

# G. 研究発表

なし

# H. 知的財産権の出願・登録情報

1. 特許取得

なし

2. 実用新案登録

なし

3. その他

なし

# 参考文献:

Siesling S. Louwman W.J. Kwast A et al. Use of cancer registries for public health and clinical research in Europe: Results of the European Network of Cancer Registries suevry among 161 population-based cancer registries during 2020-2012. Eur J Cancer. 2015 Jun;51(9):1039-49.

# 謝辞:

調査票の作成および分担研究の遂行にあ たって終始指導いただきました国立がん研 究センター 松田智大先生に、深く感謝の意 を表します。

# Overview of public use of cancer data Questionnaire

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1. Respondents' contact information				
1.1. Contact information				
1.1.1.Please enter your name				
1.1.2.Please enter your email address				
1.1.3.Name of the institute				
1.2. Sharing the answers				
Below, please select the level of sharing of identified answers to the other questions contained in this				
questionnaire.				
1.2.1.Other IACR members *				
□ Yes				
□ No				
1.2.2.Unrestricted public *				
□ Yes				
□ No				
1.3. Do you have any comments to add before the submission of this questionnaire?				

2.	2. Cancer registry data					
2.1.	Data description					
2.1.	L.Registry type:					
	□ Population-based					
	☐ Hospital-based					
	□ No registry in the country					
	2.Area covered by PBCR					
	3.Please enter the current or most recent estimation of the size of the population covered by the					
	registry (in number of inhabitants)					
2.1.	1.Please indicate the year that the registry activity started in the country					
2.1.	5.How is the data for the cancer registry retrieved or submitted:					
	Via the treating doctors manually (physical notification form)?					
	By data entry by designated professionals in the cancer registry?					
	Via automatic submission from electronic health care records?					
	Via electronic submission from (e.g.) pathology laboratories or hospital records systems?					
2.1.	6.Please describe how the follow-up items below are collected in your registry:					
	Vital status					
	Date of follow-up					
	Cause of death					
	Distant metastasis					
	Recurrence					
	Treatment after the first course of treatment					
	Other detailed clinical information					
	Socio economic status of patients					
2.2.	Conditions of the data					
	I.To whom do the data belong?					
	The state of the s					
	•					
	,					

2.2.2.Does the law (or any subsidiary regulations) on privacy apply to the data collection?						
□ Yes						
	□ No					
2.2.3.	Inder this law (regula	tion), is informed consent red	quired for a governmen	t, doctor, hospital or		
	researcher, to recor	d individual data to the data	base?			
	Yes					
	No					
2.2.4.11	f informed consent is	not required for registration,	what other data privac	v procedure (if anv)		
-		ecause the data are collected				
2.3. C	Conditions of the data	usage				
		ting data use in force?				
	Yes					
	No					
2.3.2.V	Who are authorized to	use the individual data othe	r than published aggree	gated numbers?		
	2 No, 3 Other)					
		Non-anonymised individual	Anonymised individual			
		data linkable to other data1	data2	Aggregated data		
Nation	nal/ Local Government					
_	rch/ Education					
200	e organization					
Mass	-					
Others	5.5 ***0.5000					
Others	•					
2221	Ara faraignare allawa	to use the individual data of	thar than nublished ago	roagtod numbers?		
2.3.3.7		to use the marriada data of	mer triair published agg	reguteu numbers:		
_	Yes, under certain conditions					
	П. М.					
2.3.4.7	2.3.4.Are there any other conditions for data usage (i.e. only for academic use, have to be a member of a research team, etc.)?					
	member of a research team, etc.):					
7256	low long does it take	to use the data generally from	m the date of application	n2		
2.3.5.H	low long does it take	to use the data generally from	m the date of application	n?		

	Within a month
	A couple of months
	Longer than that
2.3.6.P	lease describe the procedure to have an access to the data (i.e. online application)
2.3.7.Is	it free of charge to use the data?
	Yes
	No
2.3.8.Is	there any onsite center to use the data?
	Yes
	No
2.3.9.A	re you allowed to share and publish anonymised data on single individuals?
	Yes
	Yes, under certain conditions
	No

# 3. Cancer screening

### 3.1. Data description

Please indicate the modalities of screening programmes for any of the tumour types listed below, if carried out in your registration area:

below, il carrie		- CBistiation (				
				f detection in		the screening
			relation to scre	eening" used in	database (dire	ctly or through
	Orga	nization	your reg	istry? (1)	record	inkage)?
	Invitations	Opportunistic	Yes	No	Yes	No
Breast cancer						
Cervical cancer						
Ovary cancer						
Colorectal cancer						
Prostate cancer						
Malignant Melanoma						
Lung cancer			·			
Other cancer						

<sup>1</sup> According to the ENCR recommendations <a href="http://www.encr.com.fr/detection.pdf">http://www.encr.com.fr/detection.pdf</a>

3.1.1.Do you routinely use the PBCR data for quality control of cancer screening?					
	Yes				
	No				
3.1.2.15	s there an integrated database for cancer screenees?				
	Yes				
	No				
3.2. C	Conditions of the data				
3.2.1.T	o whom do the data belong?				
	National/ Local Government				
	Research group/ Researcher				
	University, Hospital, etc.				
	Medical organization/ Academic society				
	Private organization (e.g. NGO, pharmaceutical company)				
	Others, please explain				
3.2.2.0	Opes the law (or any subsidiary regulations) on privacy apply to the data collection?				

	Yes						
	No						
3.2.3.0	3.2.3.Under this law (regulation), is informed consent required for a government, doctor, hospital or						
	researcher, to record individual data to the database?						
	Yes						
	No						
3.2.4.If	informed consent is i	not required for registration,	what other data priva	cy procedure (if any)			
	is being used (e.g. b	ecause the data are collected	d anonymous)?				
3.3. C	conditions of the data	usage					
3.3.1.15	a specific law regula	ting data use in force?					
	Yes						
	No						
3.3.2.V	Vho are authorized to	use the individual data othe	r than published aggre	gated numbers?			
(1 Yes,	2 No, 3 Other)						
		Non-anonymised individual	Anonymised individual				
		data linkable to other data1	data2	Aggregated data			
National/Local Government							
Nation	al/ Local Government						
	al/ Local Government rch/ Education						
Resear							
Resear	rch/ Education						
Resear	rch/ Education e organization media						
Private Mass r	rch/ Education e organization media	to use the individual data of	ther than published ago	gregated numbers?			
Private Mass r	rch/ Education e organization media	to use the individual data of	ther than published ago	gregated numbers?			
Resear Private Mass r Others	rch/ Education e organization media ; re foreigners allowed		ther than published ago	gregated numbers?			
Resear Private Mass r Others 3.3.3.A	e organization media stre foreigners allowed	data only	ther than published ago	gregated numbers?			
Resear Private Mass r Others 3.3.3.A	rch/ Education e organization media s wre foreigners allowed Yes Yes, annnonymised	data only	ther than published ago	gregated numbers?			
Resear Private Mass r Others 3.3.3.A	rch/ Education e organization media s wre foreigners allowed Yes Yes, annnonymised	data only	ther than published agg	gregated numbers?			
Resear Private Mass r Others 3.3.3.A	rch/ Education e organization media s tre foreigners allowed Yes Yes, annnonymised Yes, under certain o	data only					
Resear Private Mass r Others 3.3.3.A	rch/ Education e organization media s tre foreigners allowed Yes Yes, annnonymised Yes, under certain o	data only conditions anditions for data usage (i.e. o					
Resear Private Mass r Others 3.3.3.A	rch/ Education e organization media is are foreigners allowed Yes Yes, annnonymised Yes, under certain of No are there any other co	data only conditions anditions for data usage (i.e. o	only for academic use, i				
Resear Private Mass r Others 3.3.3.A	rch/ Education e organization media is are foreigners allowed Yes Yes, annnonymised Yes, under certain o	data only conditions  anditions for data usage (i.e. o	only for academic use, i	 have to be a			
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Resear Private Mass r Others 3.3.3.4.A	rch/ Education e organization media gree foreigners allowed Yes Yes, annnonymised Yes, under certain of the there any other comember of a resear	data only conditions  Inditions for data usage (i.e. of the team, etc.)?  It is use the data generally from	only for academic use, i	 have to be a			

3.3.6.P	3.3.6.Please describe the procedure to have an access to the data (i.e. online application)				
3.3.7.15	it free of charge to use the data?				
	Yes				
	No				
3.3.8.15	there any onsite center to use the data?				
	Yes				
	No				
3.3.9.A	re you allowed to share and publish anonymised data on single individuals?				
	Yes				
	Yes, under certain conditions				
	No				

4.	Morta	lity Database				
4.1.	Data c	ollection				
4.1.	.1.1.Mortality data coverage:					
		1 National				
		1 Regional				
		l Hospital-based				
		No mortality data in the country				
		overed by the mortality database				
4.1	3.Please	indicate the year that the mortality data activity started in the country				
4.1.	4.Please	describe the procedure to collect death certificates to make up the database				
		ne law (or any subsidiary regulations) on privacy apply to the data collection?				
	] Yes					
	l No					
4.1.	6.Under	this law (regulation), is informed consent required for a government, doctor, hospito	al or			
	rese	archer, to submit individual data to the database?				
	Yes					
	l No					
4.1.	7.If info	med consent is not required for data collection, what other data privacy procedure (	if			
	any	is being used (e.g. because the data are collected anonymous)?				
4.2.	Condi	ions of the data				
4.2.	1.To wh	om do the data belong?				
	] Nat	ional/ Local Government				
	] Res	earch group/ Researcher				
	] Uni	versity, Hospital, etc.				
	] Me	dical organization/ Academic society				
	] Priv	ate organization (e.g. NGO, pharmaceutical company)				
	Oth	ers, please explain				
4.2	2.Does t	ne law (or any subsidiary regulations) on privacy apply to the data collection?				
	] Yes					
	l No					

4.2.3.0	4.2.3.Under this law (regulation), is informed consent required for a government, doctor, hospital or						
	, , ,						
researcher, to record individual data to the database?  ———————————————————————————————————							
	No						
4.2.4.11	f informed consent is	not required for registration,	what other data priva	cv procedure (if anv)			
,		ecause the data are collected		-,,,			
4.3. C	Conditions of the data	usage					
4.3.1.19	s a specific law regula	ting data use in force?					
	Yes						
	No						
4.3.2.V	Who are authorized to	use the individual data othe	r than published aggre	gated numbers?			
(1 Yes,	2 No, 3 Other)						
		Non-anonymised individual	Anonymised individual				
		data linkable to other data1	data2	Aggregated data			
Nation	nal/ Local Government						
Resear	rch/ Education						
Private	e organization						
Mass r	media						
Others	5						
4.3.3.A	are foreigners allowed	to use the individual data of	ther than published ago	gregated numbers?			
	Yes						
	Yes, annnonymised	data only					
	Yes, under certain o	conditions					
	No						
4.3.4.A	are there any other co	nditions for data usage (i.e. o	only for academic use,	have to be a			
	member of a research team, etc.)?						
4.3.5.H	4.3.5. How long does it take to use the data generally from the date of application?						
	☐ Within a month						
	☐ A couple of months						
	Longer than that						
4.3.6.P	Please describe the pro	ocedure to have an access to	the data (i.e. online ap	pplication)			

1.3.7.Is	it free of charge to use the data?
	Yes
	No
1.3.8.Is	there any onsite center to use the data?
	Yes
	No
1.3.9.A	re you allowed to share and publish anonymised data on single individuals?
	Yes
	Yes, under certain conditions
	No

5.	Health I	nsurance Claim Database					
5.1.	1. Health insurance claim type						
5.1.1	1.1.Health insurance type:						
		National					
		Private					
		No health insurance system in the country					
5.1.2	2.Please de	escribe the procedure to collect health insurance claim to make up the database, if					
	exists.						
5.2.	Conditio	ns of the data					
5.2.2	.To whon	n do the data belong?					
	Natio	nal/ Local Government					
	Resea	rch group/ Researcher					
	Unive	rsity, Hospital, etc.					
	Medic	cal organization/ Academic society					
	Privat	e organization (e.g. NGO, pharmaceutical company)					
	Other	s, please explain					
5.2.2	2.Does the	law (or any subsidiary regulations) on privacy apply to the data collection?					
	Yes						
	No						
5.2.3	3.Under th	is law (regulation), is informed consent required for a government, doctor, hospital or					
	resear	cher, to record individual data to the database?					
	Yes						
	No						
5.2.4	1.If inform	ed consent is not required for registration, what other data privacy procedure (if any)					
	is beir	g used (e.g. because the data are collected anonymous)?					
5.3.	Conditio	ns of the data usage					
5.3.1	l.is a spec	ific law regulating data use in force?					
	Yes						
	No						
5.3.2	2.Who are	authorized to use the individual data other than published aggregated numbers?					
(1 Ye	es, 2 No, 3	Other)					

		Non-anonymised individual	Anonymised individual			
		data linkable to other data1	data2	Aggregated data		
Nation	al/ Local Government					
Resear	ch/ Education					
Private	eorganization					
Mass n	media					
Others						
5.3.3.A	re foreigners allowed	to use the individual data of	her than published agg	gregated numbers?		
	Yes					
	Yes, annnonymised	data only				
	Yes, under certain o	onditions				
				•••		
	No					
5.3.4.A	re there any other co	nditions for data usage (i.e. o	only for academic use,	have to be a		
	member of a resear	ch team, etc.)?				
•••••						
	27 1000	to use the data generally from	m the date of application	on?		
	Within a month					
	A couple of months					
	Longer than that					
5.3.6.P	lease describe the pro	ocedure to have an access to	the data (i.e. online ap	plication)		
	it free of charge to u	se the data?				
	Yes					
	No					
5.3.8.Is there any onsite cen		ter to use the data?				
	Yes					
	No	and and sublish an annual and	lata an alcala la distric	4.3		
	-	re and publish anonymised o	ata on single individud	iis?		
	Yes	and the control of th				
	Yes, under certain c	onditions				

□ No

6.	Biobank	or genomic information database					
6.1.	Biobank	Biobank or genomic information database type					
6.1.	1.Biobank	type:					
		Population-based					
		Hospital-based					
		Academic					
		No biobank in the country					
6.1.	2.Please in	ndicate the year that collection of samples in the biobank started in the country					
6.2.	Conditio	ons of the data					
6.2.	1.To whon	n do the data belong?					
	] Natio	nal/ Local Government					
	Resea	arch group/ Researcher					
	] Unive	ersity, Hospital, etc.					
	Medi	cal organization/ Academic society					
	] Privat	e organization (e.g. NGO, pharmaceutical company)					
	Other	rs, please explain					
6.2.	2.Does the	law (or any subsidiary regulations) on privacy apply to the data collection?					
	Yes						
	] No						
6.2.	3.Under th	is law (regulation), is informed consent required for a government, doctor, hospital or					
	resea	rcher, to record individual data to the database?					
	Yes						
	l No						
6.2.	4.If inform	ed consent is not required for registration, what other data privacy procedure (if any)					
	is beir	ng used (e.g. because the data are collected anonymous)?					
6.3.	Conditio	ns of the data usage					
6.3.	1.Is a spec	ific law regulating data use in force?					
	Yes						
	] No						
6.3.	2.Who are	authorized to use the individual data other than published aggregated numbers?					
(1 Y	es, 2 No, 3	Other)					

		Non-anonymised individual	Anonymised individual	
		data linkable to other data1	data2	Aggregated data
Nation	al/ Local Government			
Resear	rch/ Education			
Private	e organization			
Mass r	media			
Others	;			
6.3.3.A	re foreigners allowed	to use the individual data of	ther than published ago	gregated numbers?
	Yes			
	Yes, annnonymised	data only		
	Yes, under certain o	conditions		
	No			
6.3.4.A	re there any other co	nditions for data usage (i.e. o	only for academic use,	have to be a
	member of a resear	ch team, etc.)?		
6.3.5.H	low long does it take	to use the data generally fro	m the date of application	on?
	Within a month			
	A couple of months			
	Longer than that			
6.3.6.P	lease describe the pro	ocedure to have an access to	the data (i.e. online ap	plication)
6.3.7.15	it free of charge to u	se the data?		
	Yes			
	No			
6.3.8.15	there any onsite cen	ter to use the data?		
	Yes			
	No			
6.3.9.A	re you allowed to sho	are and publish anonymised o	data on single individud	ıls?
	Yes			
	Yes, under certain o	conditions		

□ No

### 7. Census or other socio-economic status database

### 7.1. Availability of data

7.1.1. What kind of other clinical databases are available in the country? If any, please add lines to describe.

	N	Anonymised individual data		
	Non-anonymised	indirectly linkable		
	individual data linkable	with geographical	Anonymised	
	to other data 1	information 2	individual data 2	Aggregated data
Eating habit				
Smoking habit				
Alcohol intake				
Individual/ Household				
income				
Education				
Marital status/ parity				
Profession				

<sup>1</sup>Individual data in which the full identity of the patient has at least a key ID even the original identifiable variables are remove, e.g. the name and address, date of birth, etc., and it remains possible to link the record to the other database individually

<sup>2</sup>Individual data in which the identity of the person has been disguised by removal of a part or all identification, e.g. the name and address, date of birth, etc., and impossible to link the record to the other database individually. However, the data have geographical information to realize ecological studies.

### 8. Other clinical database

### 8.1. Availability of data

8.1.1. What kind of other clinical databases are available in the country? If any, please add lines to describe.

		Anonymised individual data		
	Non-anonymised	indirectly linkable		
	individual data linkable	with geographical	Anonymised	
	to other data 1	information 2	individual data 2	Aggregated data
Academic society-				
based clinical database				

<sup>1</sup>Individual data in which the full identity of the patient has at least a key ID even the original identifiable variables are remove, e.g. the name and address, date of birth, etc., and it remains possible to link the record to the other database individually

<sup>2</sup>Individual data in which the identity of the person has been disguised by removal of a part or all identification, e.g. the name and address, date of birth, etc., and impossible to link the record to the other database individually. However, the data have geographical information to realize ecological studies.

# 9. Data linkage

# 9.1. Linkable database

9.1.1.Which of the listed data are individually linked to each other which are ready for use in your country? For each of the used data sources please indicate the type of inquiry best describing the current practice.

	Cancer	Cancer	Mortality	Health	Biobanks	Census	Other	
	registry	screening		insurance	or	or SES	clinical	
				claim	genomic		data	
					info			
Cancer								
registry								
Cancer								
screening								
Mortality								
Health								
insurance								
claim								
Biobanks								
or								
genomic								
info								
Census								
or SES								
Other								
clinical								
data								

1=Nationally, 2=Regionally, 3=Project-based

9 2	Linka	ge c	ente

9.2.1.A	re there organizations specialized in linkage of several individual database?
	Yes
	No

# 10. Data usage

# 10.1. Data usage in health policy

10.1.1. Please describe the contribution of your registry to the description of cancer burden or evaluation of cancer control by selecting the applicable answer below:

	Routine, regular, frequent	Occasional, ad- hoc	Never
Cancer control in general			
Cancer incidence rates			
Cancer survival			
Cancer mortality rates			
Development of national cancer control strategies			
Evaluation of national cancer control strategies			
Clinical audits on diagnosis/staging			
Clinical audits on treatment			
Clinical audits on waiting times			
Clinical audits on multidisciplinary care			
Evaluation of adherence to clinical guidelines for diagnosis			
Evaluation of impact of clinical guidelines for diagnosis			
Evaluation of adherence to clinical guidelines for			
treatment			
Evaluation of impact of clinical guidelines for treatment			
Improvement of cancer care projects			
Cancer screening evaluation			
Evaluation of radiation systems use			
Evaluation of usage of Computed Axial Tomography (CT)			
Evaluation of usage of Positron Emission Tomography			
(PET)			
Evaluation of usage of magnetic resonance technique			

<sup>1=</sup>Nationally, 2=Regionally, 3=Project-based

11. Ba	rriers to conduct a research
11.1. Pr	ivacy legislation
11.1.1.	Have you experienced barriers to use the cancer research related data due to privacy
	legislation (e.g. PIN is not allowed to be used in medical research)?
	Yes, please explain
	No
11.2. Te	echnical issues
11.2.1.	Have you experienced barriers to use the cancer research related data due to technical
	issues (e.g. mistype of names recorded in XX database was evident and not completely
	linkable)?
	Yes, please explain
	No
11.3. Le	gal or ethical issues
11.3.1.	${\it Please provide a short description (with examples) of any legal or ethical problems in public}$
	usage of cancer research related data, in cancer control planning/evaluation, quality
	control of medical acts and research?