

第3 インフルエンザ

要 約

2019年度のインフルエンザ感受性調査では、21都道府県の合計5,446名について2019/20シーズンのワクチン株 [A(H1N1)pdm09亜型、A(H3N2)亜型、B型(山形系統)、B型(ビクトリア系統)] を調査株とした赤血球凝集抑制 (hemagglutination inhibition : HI) 抗体価が測定された。2019/20シーズンのインフルエンザ流行前かつインフルエンザワクチン接種前における抗体保有率 (HI抗体価1:40以上) についてみると、A(H1N1)pdm09亜型では5～34歳の年齢群、A(H3N2)亜型では5～24歳の年齢群、B型(山形系統)では5～59歳の年齢群、B型(ビクトリア系統)では15～19歳および35～59歳の年齢群で40%以上の抗体保有率であった。また前年度と比較すると、A(H1N1)pdm09亜型ではほとんどの年齢群で、A(H3N2)亜型ではすべての年齢群で低下傾向であった。B型(山形系統)は40歳以上で低下を示す年齢群がみられたが概ね同等であった。B型(ビクトリア系統)は29歳以下の年齢群で同等かそれ以上の保有率がみられたが、30歳以上では概ね同等であった。抗体保有率の増減は調査株の変更や調査前の流行状況による影響が考えられるが、今後は抗体保有状況とその後の流行状況に関するさらなる検討が重要である。

一方、2019年度のインフルエンザ感染源調査では、調査対象となったブタ600検体からA型インフルエンザウイルスは検出されなかったが、ブタは新型インフルエンザの発生源として重要な位置づけにあるため、今後も継続的な調査が重要である。

1. まえがき

本調査事業におけるインフルエンザに関する調査は、1972年度以降、感受性調査および感染源調査が実施されてきた。感受性調査はヒトの抗体保有状況調査であり、一方、感染源調査はインフルエンザ様患者からのウイルス分離・同定 (～2002年度)、ブタにおける抗体保有状況調査 (1998～2004年度)、ブタからのウイルス分離・同定 (2005年度～) により実施されてきた。これらの調査結果は、わが国におけるインフルエンザに対する感受性者の把握ならびに新型インフルエンザウイルスの出現監視として重要な役割を担っている。

わが国における最近5シーズンの季節性インフルエンザの流行状況は、2014/15シーズンおよび2016/17シーズンはA(H3N2)亜型を主流としたB型との混合流行であり、A(H1N1)pdm09亜型の流行はきわめて小規模であった^{1),2)}。2015/16シーズンはA(H1N1)pdm09亜型を主流としたA(H3N2)亜型とB型との混合流行であった³⁾。2017/18シーズンの流行は、A(H1N1)pdm09亜型、A(H3N2)亜型およびB型(主流は山形系統)が流行し、B型(山形系統)の報告が最も多かった⁴⁾。一方、本年度調査の直前にあたる2018/19シーズンではA型が流行の主流であり、流行初期はA(H1N1)pdm09亜型が多かったが、次第にA(H3N2)亜型に移行し、最終的にはA(H3N2)亜型が主流のシーズンであった。B型の流行は小さかったがB型の流行の主流はビクトリア系統であった⁵⁾。

季節性以外のインフルエンザでは、高病原性鳥インフルエンザウイルスの1つであるA(H5N1)亜型ウイルスに感染した患者(検査診断例)が2003年以降16か国において累計861名(死亡例455名を含む)がWHOに報告された。A(H5N1)亜型ウイルスに感染した患者(検査診断例)は、2010年以降は7か国で報告されているが、カンボジア、中国、エジプト、インドネシア、ベトナムの5か国からの報告だけで2010年以降の報告患者393名の98%を占めている⁶⁾。しかしながら、最近ヒトでの感染はほとんど報告されておらず、2017年以降では5名(死亡例3名、2018年は発生

なし、2019年1名)である⁶⁾。また、2014年以降A(H5N6)亜型ウイルスによるヒト感染事例もWHOに報告されている(累計26名、うち死亡例7名)が、2018年、2019年は新たな報告はなかった^{7,8)}。一方、A(H5N1)、A(H5N6)亜型ウイルス以外のA(H5Nx)亜型ウイルス感染が引き続き野鳥および家禽で報告されている。また、2013年3月に低病原性および2016年12月には高病原性A(H7N9)亜型鳥インフルエンザウイルスに感染した患者の発生が中国からWHOに報告された。第5波(2016年10月～2017年9月)までは患者発生数が多かったが、2017年10月以降は4例の報告にとどまっている(2020年2月現在、2019年3月以降に報告なし)^{8,9)}。近年のA(H7N9)亜型ウイルスのヒト感染事例数の急激な減少は、家禽へのワクチン接種による家禽や環境中のサンプルにおけるA(H7N9)亜型ウイルスの検出率の減少に起因すると考えられている¹⁰⁾。一方、ブタの間で循環しているA(H1N1)v亜型、A(H1N2)v亜型、A(H3N2)v亜型ブタインフルエンザウイルスのヒト感染例が米国では多数確認されている¹¹⁾。なお、現在までこれらの鳥およびブタインフルエンザウイルスの持続的なヒト-ヒト感染は確認されていないが、ブタはヒトおよび鳥インフルエンザウイルスの両方のレセプターを有することから、ブタの体内にて鳥、ブタまたはヒトインフルエンザウイルスとの間で遺伝子再集合が起こる可能性が以前から指摘されている。ブタは新型インフルエンザウイルスの発生源として重要な監視対象であることから、新型インフルエンザ対策の一環として、ブタのインフルエンザウイルスの動向についても継続的に監視する必要がある。

2019年度も2019/20シーズンのインフルエンザの本格的な流行が始まる前かつインフルエンザワクチン接種前の国民の抗体保有状況を把握し、感受性者に対する注意喚起等を目的とした感受性調査、ならびに新型インフルエンザウイルスの出現監視を目的とした感染源調査が実施された。なお、2019/20シーズンを含めた5シーズンに用いられたワクチン株および主な流行型とその代表株は以下の通りである。

| シーズン | ワクチン株 [型(亜型・系統)] | 流行型(亜型・系統) | 当該シーズン流行の代表株 |
|---------|---|--------------|-------------------------------|
| 2015/16 | A/カリフォルニア/7/2009 [A(H1N1)pdm09] | A(H1N1)pdm09 | A/カリフォルニア/7/2009 |
| | A/スイス/9715293/2013 [A(H3N2)] | A(H3N2) | A/香港/4801/2014 |
| | B/プーケット/3073/2013 [B(山形)] | B(山形) | B/プーケット/3073/2013 |
| | B/テキサス/2/2013 [B(ビクトリア)] | B(ビクトリア) | B/テキサス/2/2013 |
| 2016/17 | A/カリフォルニア/7/2009 [A(H1N1)pdm09] | A(H3N2) | A/香港/4801/2014 |
| | A/香港/4801/2014 [A(H3N2)] | B(山形) | B/プーケット/3073/2013 |
| | B/プーケット/3073/2013 [B(山形)] | B(ビクトリア) | B/テキサス/2/2013 |
| | B/テキサス/2/2013 [B(ビクトリア)] | | |
| 2017/18 | A/シンガポール/GP1908/2015 [A(H1N1)pdm09] | A(H1N1)pdm09 | A/シンガポール/GP1908/2015 |
| | A/香港/4801/2014 [A(H3N2)] | A(H3N2) | A/香港/4801/2014 |
| | B/プーケット/3073/2013 [B(山形)] | B(山形) | B/プーケット/3073/2013 |
| | B/テキサス/2/2013 [B(ビクトリア)] | | |
| 2018/19 | A/シンガポール/GP1908/2015 [A(H1N1)pdm09] | A(H1N1)pdm09 | A/シンガポール/GP1908/2015 |
| | A/シンガポール/INFIMH-16-0019//2016 [A(H3N2)] | A(H3N2) | A/シンガポール/INFIMH-16-0019//2016 |
| | B/プーケット/3073/2013 [B(山形)] | B(ビクトリア) | B/ワシントン/02/2019 |
| | B/メリーランド/15/2016 [B(ビクトリア)] | | |
| 2019/20 | A/ブリスベン/02/2018 [A(H1N1)pdm09] | A(H1N1)pdm09 | A/広東-茂南/SWL1536/2019 |
| | A/カンザス/14/2017 [A(H3N2)] | A(H3N2) | A/香港/2671/2019 |
| | B/プーケット/3073/2013 [B(山形)] | B(ビクトリア) | B/ワシントン/02/2019 |
| | B/メリーランド/15/2016 [B(ビクトリア)] | | |

2. 感受性調査

(1) 調査目的

当該シーズンにおけるインフルエンザの本格的な流行開始前かつインフルエンザワクチン接種前に、当該シーズンのインフルエンザワクチン株に対する健常者の血清抗体価を測定することにより抗体保有状況を把握し、今後の流行予測および感受性者に対して注意を喚起する等の資料とする。

(2) 調査対象

2019年度は、北海道、山形県、福島県、茨城県、栃木県、群馬県、千葉県、東京都、神奈川県、新潟県、富山県、福井県、山梨県、長野県、静岡県、愛知県、三重県、京都府、愛媛県、高知県、佐賀県の21都道府県で調査が実施され、各都道府県につき0～4歳、5～9歳、10～14歳、15～19歳、20～29歳、30～39歳、40～49歳、50～59歳、60歳以上の9年齢区分より各22名ずつ計198名、全国で4,158名を予定対象数とした。

(3) 調査時期

対象者（被験者）からの採血時期は、原則として2019年7月から9月（インフルエンザワクチン接種前）であるが、前シーズン（2018/19シーズン）のインフルエンザの流行が終息していることが確実な場合は、この時期以前でも可とした（ただし5月以降）。また、当該シーズン（2019/20シーズン）のインフルエンザの流行が始まっておらず、かつ当該シーズンのインフルエンザワクチンの接種を受けていないことが明らかな場合は、この時期以降でも可とした。

(4) 調査内容

対象者から採取した血液（血清）検体について、インフルエンザワクチン株に対する抗体価の測定が各都道府県衛生研究所において実施された。抗体価の測定は「感染症流行予測調査事業検査術式 令和元年度改訂版（厚生労働省健康局結核感染症課／国立感染症研究所感染症流行予測調査事業委員会）」および「平成29年度 感染症流行予測調査実施要領（厚生労働省健康局結核感染症課）」に準じ、赤血球凝集抑制（hemagglutination inhibition : HI）試験により行われた。また、2019年度の調査株は2019/20シーズンのワクチン株に選定された下記の4株とし、抗体価の測定には各調査株（卵分離株由来）のHA抗原が使用された。同時に対象者の年齢、性別等の情報に加え、前シーズン（2018/19シーズン）のインフルエンザワクチン接種歴およびインフルエンザ罹患歴について調査を行った。

- a. A/Brisbane(ブリスベン)/02/2018 [A(H1N1)pdm09 亜型]
- b. A/Kansas(カンザス)/14/2017 [A(H3N2) 亜型]
- c. B/Phuket(プーケット)/3073/2013 [B型(山形系統)]
- d. B/Maryland(メリーランド)/15/2016 [B型(ビクトリア系統)]

(5) 調査結果

A) 調査対象数

2019年度は21都道府県で合計5,446名についてHI抗体価が測定された。年齢区分別の調査数の内訳は、0～4歳群573名、5～9歳群442名、10～14歳群555名、15～19歳群390名、20～29歳群869名（20～24歳群366名、25～29歳群503名）、30～39歳群846名（30～34歳群456名、35～39歳群390名）、40～49歳群699名（40～44歳群284名、45～49歳群415名）、50～59歳

群 664 名（50～54 歳群 362 名、55～59 歳群 302 名）、60 歳以上群 408 名（60～64 歳群 203 名、65～69 歳群 110 名、70 歳以上群 95 名）であった（表 1 および表 4）。

B) 年齢別および年齢群別の抗体保有状況

各調査株に対する HI 抗体価の分布（1:10 未満～1:2560 以上）について、表 3-1～3-4（年齢別）、表 4-1～4-4（年齢群別）、表 5-1～5-4（乳児月齢別）に示した。また、HI 抗体価 1:40 以上から 1:2560 以上の抗体保有率について図 1（年齢別）および図 2（年齢群別）に示した。

A/Brisbane(ブリスベン)/02/2018 [A(H1N1)pdm09 亜型]

本調査株は、2017/18 および 2018/19 シーズンの A/Singapore(シンガポール)/GP1908/2015 から変更され、2019/20 シーズンのワクチン株に新たに選定されたウイルスである。

本調査株に対する抗体保有率（HI 抗体価 1:40 以上、以下同じ）は調査対象全体で 39%であり、年齢群別の抗体保有率は 10～14 歳群をピークに 5～24 歳の各年齢群で 50%以上（57～60%）を示し、その他の年齢群と比較して高かった。また、0～4 歳および 35 歳以上の各年齢群は 40%未満の抗体保有率であり、特に 65 歳以上では 20%未満であった（表 4-1、図 2）。

A/Kansas(カンザス)/14/2017 [A(H3N2) 亜型]

本調査株は、2018/19 シーズンの A/Singapore（シンガポール）/NFIMH-16-0019/2016 から変更され、2019/20 シーズンのワクチン株に新たに選定されたウイルスである。

本調査株に対する調査対象全体の抗体保有率は 33%であり、60%以上の年齢群はなかった。年齢群別では 5～24 歳の各年齢群が 40%以上（40～53%）の抗体保有率であった。しかし、70 歳以上を除き、その他の年齢群は 30%以下（21～29%）で低い抗体保有率であった。70 歳以上では 33%の抗体保有率であった。（表 4-2、図 2）。

B/Phuket(プーケット)/3073/2013 [B 型(山形系統)]

本調査株は、2015/16 シーズン以来継続して 2019/20 シーズンも山形系統のワクチン株として選定されたウイルスである。

本調査株に対する調査対象全体の抗体保有率は 50%であり、年齢群別では 25～29 歳群でピークがみられ、15～39 歳の各年齢群で 60%以上（60～70%）を示した。それ以外の年齢群の多くは 40%以上（44～53%）の抗体保有率であった。0～4 歳および 60 歳以上の群は 40%未満で、とくに 0～4 歳の群では 19%の抗体保有率であった。（表 4-3、図 2）。

B/Maryland(メリーランド)/15/2016 [B 型(ビクトリア系統)]

本調査株は、2018/19 シーズンに引き続き、2019/20 シーズンのビクトリア系統のワクチン株として選定されたウイルスである。

本調査株に対する調査対象全体の抗体保有率は 34%であり、60%以上の年齢群はなかった。15～19 歳および 35～54 歳の年齢群で 40%以上（43～52%）の抗体保有率であった。その他の年齢群では 40%未満の抗体保有率であったが、とくに 0～9 歳および 60 歳以上の各年齢群は 25%以下（16～22%）の抗体保有率であった（表 4-4、図 2）。

C) 抗体保有状況の年度別比較

2012 年度調査以降の年齢群別抗体保有状況（HI 抗体価 1:40 以上）について、図 3-1（A 型）および図 3-2（B 型）に示した。

A(H1N1)pdm09 亜型

A(H1N1)pdm09 亜型については、2013～2016年度は A/California(カリフォルニア)/7/2009、2017～2018年度は A/Singapore(シンガポール)/GP1908/2015、2019年度は A/Brisbane(ブリスベン)/02/2018 が調査株として用いられた。

2019年度の抗体保有率は、ほぼすべての年齢群において前年度より低下したが、5～34歳の年齢群では、調査株に関わらず2013年以降40%以上の抗体保有率であった。2017年以降、一部を除いて、35歳以上の各年齢群では40%未満であった。65歳以上では2018年に45%以上を示したが2019年は20%未満と大幅な低下がみられた(図3-1 上段)。

A(H3N2) 亜型

A(H3N2) 亜型は2004/05シーズン以降では1～2シーズンごとにワクチン株が変更されており、近年では2017年度のみ前年度(2016年度)と同じ調査株が使用された。2019年度も変更されている。

年度により調査株が異なることから、抗体保有率を年度間で単純に比較することはできないが、2019年度は2018年度に続いて全年齢群で前年度より低下がみられ、且つ大幅な低下であった。各年度における年齢群別の抗体保有率についてみると、2013～2019年度はいずれも5～19歳の年齢群においてピークがみられた(図3-1 下段)。

B 型

B型のワクチン株は2014/15シーズンまでビクトリア系統あるいは山形系統のいずれかが選定されていたが、2015/16シーズンからの4価ワクチンへの変更にともない、B型の両系統がワクチン株に用いられている。本調査では2014/15シーズン以前にも当該シーズンのワクチン株に加え、ワクチン株とは異なる系統のウイルスを調査株とした抗体価の測定を行っており、図3-2にはB型の両系統に対する2013～2019年度の抗体保有状況を示した。

山形系統については、2013～2014年度、2015年度以降とそれぞれ同じ調査株が用いられた。同じ株による調査が行われた年度間における全体の抗体保有率を比較すると、2013～2014年度(40%→48%)、2015～2018年度(37%→39%→44%→53%)のいずれも、それぞれ前年度と比較して抗体保有率が上昇する傾向がみられ、2019年度は2018年度と同等(50%)であった。また、本系統に対する年齢群別の抗体保有率は、すべての調査年度で20代に抗体保有率のピークがみられ、A型と比較して年長寄りであった。しかしながら、2019年度は65歳以上の年齢群で2018年度に比べ約20%の低下がみられた(図3-2 上段)。

一方、ビクトリア系統については、2013～2014年度、2015～2017年度、2018～2019年度にそれぞれ同じ調査株が用いられた。同じ株による調査が行われた年度間の全体の抗体保有率を比較すると、2013～2014年度は37%および34%、2015～2017年度は21%、25%および27%、2018～2019年度は32%および34%と、同じ株に対しては大きな変動はみられなかった。本系統に対する抗体保有の年齢分布はA型および山形系統とは異なり、いずれの調査年度でも35～49歳の年齢群に抗体保有率のピークがみられた(図3-2 下段)。

D) 地域別抗体保有状況

A型およびB型の各調査株に対する都道府県別の抗体保有状況(HI抗体価1:40以上)について、表2-1～2-4および図4-1～4-4に示した。

A 型

A/Brisbane(ブリスベン)/02/2018 に対する全体の抗体保有率が全国平均 (39%) より高かったのは 7 地域あり、そのうち 4 地域で 10 ポイント以上高かった。一方、全国平均より抗体保有率が低かった 14 地域のうち 8 地域で 10 ポイント以上低かった (表 2-1、図 4-1)。

同様に A/Kansas(カンザス)/14/2017 についてみると、全体の抗体保有率が全国平均 (33%) より高かった 8 地域のうち 5 地域で 10 ポイント以上高く、全国平均より低かった 13 地域のうち 10 地域で 10 ポイント以上低かった。(表 2-2、図 4-2)。

B 型

山形系統については、B/Phuket(プーケット)/3073/2013 に対する全体の抗体保有率が全国平均 (50%) より高かったのは 10 地域あり、そのうち 5 地域で 10 ポイント以上高かった。また、全国平均より低かった 11 地域のうち 9 地域で 10 ポイント以上低かった (表 2-3、図 4-3)。

同様にビクトリア系統について比較すると、B/Maryland(メリーランド)/15/2016 に対する全体の抗体保有率が全国平均 (34%) より高かった 7 地域のうち 6 地域で 10 ポイント以上高く、全国平均より低かった 14 地域のうち 9 地域で 10 ポイント以上低かった。(表 2-4、図 4-4)。

E) 予防接種状況および予防接種歴別抗体保有状況

前シーズン (2018/19 シーズン) におけるインフルエンザワクチンの接種状況について、接種歴無群、接種歴有群 (1 回接種、2 回接種、その他：接種回数不明)、接種歴不明群に分け、年齢群別 (表 6) および都道府県別 (表 7) に集計した。また、予防接種歴別の抗体保有状況については、表 8-1~8-4 および図 5 に示した。

2019 年度の調査対象者のうち接種歴不明の者は全体で 1,084 名存在し、各年齢群では 13~25% の割合を占めた (65~69 歳および 70 歳以上ではそれぞれ 29% および 39%)。これら接種歴不明者を除く 4,362 名についてみると、接種歴有群の割合は全体で 47% (2,032 名) であり、前年度 (50%) より 3 ポイント低かった。年齢群別では概ね 40~60% の者に 1 回以上の接種歴があった。また、接種歴有群のうち接種回数が明らかであった 1,872 名 (1 回接種 1,402 名、2 回接種 470 名) についてみると、15 歳未満の年齢群における 2 回接種者の割合 (0~4 歳群 86%、5~9 歳群 75%、10~14 歳群 60%) は、前年度 (0~4 歳群 82%、5~9 歳群 72%、10~14 歳群 51%) と比較して高い傾向であった (表 6)。

都道府県別にみると、多くの地域で概ね 40~60% の接種率であった。なお、調査対象者がすべて接種歴不明であった場合の接種率は「0.0」と記載したが、今後表記方法について検討する必要がある (表 7)。

次に前シーズンの接種歴有群と接種歴無群について抗体保有状況を比較すると、A/Brisbane(ブリスベン)/02/2018 に対する全体の抗体保有率が接種歴有群では 47%であったのに対し、接種歴無群は 31%であった。同様に A/Kansas(カンザス)/14/2017 (接種歴有群:接種歴無群、42%:29%)、B/Phuket(プーケット)/3073/2013 (同 61%:43%)、B/Maryland(メリーランド)/15/2016 (同 43%:30%) についても接種歴有群の抗体保有率が高かった (図 5)。

3. 当該シーズンの予防接種歴および罹患歴調査

(1) 調査目的

当該シーズン (2019/20 シーズン) のインフルエンザワクチン接種歴およびインフルエンザ罹患歴について検討し、インフルエンザワクチンの有効性等、今後の流行予測に資するための資料とする。

(2) 調査対象

本年度の感受性調査の対象となった者を調査対象とした。

(3) 調査時期

感受性調査による血清採取後から本年度末（2020年3月）までとした。

(4) 調査内容

調査票を用いて、2019/20 シーズンにおけるインフルエンザワクチンの接種歴（有無、回数、接種日）およびインフルエンザの罹患歴（有無、回数、罹患日、型）について調査した。なお、罹患歴は医療機関で診断されたインフルエンザ（A型、B型、型不明）に加えて、医療機関で診断されていないインフルエンザ様症状（influenza-like illness : ILI）についても調査項目に含めた。

採血時（2019/20 シーズン前）の抗体価とその後の2019/20 シーズンにおけるVEとの関連（罹患状況への影響）について検討するため、今回は2019/20 シーズンの流行の主流であったA(H1N1)亜型（全国で分離・検出されたインフルエンザウイルスの86%を占めた¹²⁾）の抗体価で対象者を層別化し、各抗体価群におけるA型に対するVEの解析を行った。

インフルエンザワクチンの有効性（vaccine effectiveness : VE）は、接種歴「有」と「無」の2群における発病率から算出した〔 $VE = 1 - \text{接種歴有群の発病率} / \text{接種歴無群の発病率} \times 100\%$ 〕。VE算出における接種歴について、「有」は1回以上の接種を受けた者、「無」は1回も接種を受けなかった者とした。罹患歴については、「有」はA型あるいはB型に1回以上罹患した者（型不明およびILIを除く）、「無」はA型・B型・型不明・ILIのいずれにも罹患しなかった者とした。また、型別でのVE算出においてA型の場合、罹患歴「有」はA型に1回以上罹患した者、「無」はいずれにも罹患しなかった者に加え、B型の1回以上罹患者を含めた。一方、B型の場合、罹患歴「有」はB型に1回以上罹患した者、「無」はいずれにも罹患しなかった者に加え、A型の1回以上罹患者を含めた。

(5) 調査結果

A) 調査対象数

2019/20 シーズンのインフルエンザワクチン接種歴について有効な回答が得られたのは感受性調査対象者5,464名中1,697名（36%）であり、その内訳は「無」が869名、「有1回」が895名、「有2回」が198名であった。一方、インフルエンザ罹患歴について有効な回答が得られたのは1,950名（36%）であり、「無」が1,794名、「有・A型」が103名、「有・B型」が14名、「有・A型+B型」が1名、「有・型不明」が5名、「有・ILI」が33名であった（表9）。このうち、感受性調査対象者の50%以上で接種歴と罹患歴（ILIを除く）の有効回答が得られた自治体の合計690名（0～2歳群43名、3～6歳群23名、7～12歳群76名、13～64歳群509名、65歳以上群39名）をVEの解析対象とした。

B) ワクチンの有効性（表10）

接種歴有群のA型発病率が6%（22/394）、接種歴無群のA型発病率が6%（17/296）であった。一方、B型の罹患率が極めて少なく、今シーズンのB型の評価は困難であった。

また、2回の接種が定められている年齢層である0～12歳群において、接種歴が「1回（14名）」と「2回（76名）」、および「無（52名）」の場合では、A型インフルエンザの発病率はそれぞれ

1 回接種歴有群では 14% (2/14)、2 回接種歴有群で 13% (10/76)、接種歴無群で 17% (9/52) であった。

C) A(H1N1) 亜型の抗体価で層別化した場合の A 型に対するワクチンの有効性 (表 11)

表 11 に A(H1N1) 亜型の抗体価で 3 群に層別化して、それぞれの群における予防接種歴および A 型インフルエンザの罹患歴の有無を示した。

HI 抗体価 1:40 未満

合計 462 名について、接種歴有群および接種歴無群の発病率はともに 7% (18/247 および 15/215) であった。全年齢での VE は -4% (-102~46%) と算出された。

HI 抗体価 1:40~1:80

合計 206 名について、接種歴有群の発病率が 2% (3/131)、接種歴無群の発病率が 3% (2/75) であり、VE は 14% (-402~85%) であった。年齢別の VE は 7~12 歳群で 29% (-352~89%) であった。それ以外の年齢群では対象者数が少なく VE は算出不可であった。

HI 抗体価 1:160 以上

合計 22 名について、接種歴有群の発病率が 6% (1/16)、接種歴無群の発病率は 0% (0/6) であった。VE は算出不可であった。

4. 新型インフルエンザウイルスの出現監視を目的とした感染源調査

(1) 調査目的

ブタからインフルエンザウイルスを分離・同定することにより、ブタが保有するインフルエンザウイルスの実態を把握し、新型インフルエンザウイルスの出現および国内への侵入を監視する一助とする。

(2) 調査時期および対象

2019年度は6地域で調査が実施され、調査時期が通年(2019年6月~2020年3月の10か月)の場合は各月10頭ずつ計100頭のブタ、夏のみ(2019年6~10月の5か月)および冬のみ(2019年11月~2020年3月の5か月)の場合は各月20頭ずつ計100頭のブタを予定対象数とした。ブタの選定にあたり、種別、性別、月齢は問わないが、分離されたインフルエンザウイルスの亜型によっては、感染症対策に必要な措置を講じる可能性があることから、検体を採取するブタは県産であり、当該ブタの遡り追跡調査が可能な方法で、また2019年度から、発育不良のブタ(※)を優先的に選定することとした。

※ ウイルス分離効率が高いのは、より幼齢のブタであると報告されている。客体とするブタは、発育不良のブタを優先的に選定するが、この中には幼齢のブタが含まれている可能性が高いと考えられる。

(3) 調査内容

調査対象のブタから採取された鼻腔あるいは気管ぬぐい液を検体とし、各都道府県衛生研究所においてインフルエンザウイルスの分離・同定が実施された。ウイルス分離は「平成31年度感染症流行予測調査実施要領(厚生労働省健康局結核感染症課)」に準じ、MDCK細胞を用いて

行われた。細胞変性効果がみられた場合は、市販の迅速診断キットによる検査が行われ、陽性であった分離株については国立感染症研究所インフルエンザウイルス研究センター第 2 室において型・亜型の同定が実施される。

(4) 調査結果

A) 調査対象数

2019 年度は 6 月から翌年 3 月までの 10 か月間に合計 600 検体が採取された。月別の検体採取数は、2019 年 6 月 50 検体、7 月 60 検体、8 月 50 検体、9 月 50 検体、10 月 60 検体、11 月 70 検体、12 月 69 検体、2020 年 1 月 91 検体、2 月 70 検体、3 月 30 検体であった。

B) インフルエンザウイルス分離状況

各検体から MDCK 細胞を用いたウイルス分離を試みた結果、すべてにおいてインフルエンザウイルスは分離されなかった。

5. 考察

本年度の調査が実施される直前の 2018/19 シーズンにおけるインフルエンザの国内流行状況は A 型の流行が大きかった。具体的には、病原微生物検出情報によるインフルエンザウイルス分離・検出報告数を時間軸と併せてみると、シーズン当初は A(H1N1)pdm09 亜型が多かったが、年明け以降は A(H3N2)亜型の報告が増加した⁵⁾。B 型は 2019 年第 10 週から増加し、第 17 週以降 A 型を上回った。最終的な報告数の割合は、A(H3N2)亜型が 56%、A(H1N1)pdm09 亜型が 36%、B 型が 8% (その内、山形系統 7%、ビクトリア系統 91%、系統不明 2%) の割合であった⁵⁾。

2019 年度の調査はこのような流行を経た後の調査となる。A(H1N1)pdm09 亜型に対する抗体保有率は、ほぼ全年齢群で前年度と比較して抗体保有率は低下を示した。これは、2018/19 シーズンは前シーズンと同程度の流行規模であったが、調査株が前年度から変更されたためと考えられる。今年度を含むこの 3 年間では、35 歳以上の多くの年齢群の抗体保有率は 40%未満であり、この点について検討が必要と考えられた。A(H3N2)亜型に対する抗体保有率は、すべての年齢群で前年度と比較して低下を示した。これは、前年度から変更された調査株 (2019/20 シーズンワクチン株) が抗原変異株であることが分かっており、その影響によるものと考えられた。この変異は、最近の A(H3N2)亜型ウイルスの卵分離の際にみられる卵馴化に伴う抗原変異だけでなく、流行株そのものが獲得した変異である。

B 型についてみると、直前のシーズンの流行が大きくなかったため、抗体保有率に大きな変動はみられなかったと思われる。

本感受性調査の目的の 1 つである、流行シーズン前の抗体保有率が低い年齢層への注意喚起は、インフルエンザ対策の一環として今後も継続して行うことが重要と考えられるが、流行シーズン前の抗体保有状況とその後の罹患状況等に関する検討がこれまで実施できておらず、本調査における課題であった。そこで、2016 年度から感受性調査の対象者について、流行シーズン後半 (各年度の 3 月末) におけるインフルエンザワクチン接種歴およびインフルエンザ罹患歴に関する調査が開始された。2019/20 シーズンにおいては本調査結果を用いて VE の検討を行うにあたり、A(H1N1)pdm09 亜型が主に流行したシーズンであったことから、A(H1N1)pdm09 亜型についての VE の解析を実施したが有効回答者が限られており、95%信頼区間が 0 を挟んで広い範囲に及び、VE の解析は困難であった。2019 年度末に発生した新型コロナウイルス感染症の流行により、追跡調査が困難になったことも本調査の重要な制約であった。また、2019/20 シーズンは B 型については罹患患者

数が少なく対象者全体としての VE の算出が困難であった。以上のことから、結果の解釈には注意が必要であり、詳細な VE の評価は困難であった。今後 VE の評価においては、有効回答数の確保が重要である。なお、流行前の抗体価別の検討においては、抗体価測定に用いた調査株と当該シーズンの流行株との抗原性の違いも考慮する必要があると考えられた。

一方、新型インフルエンザ対策の一環として実施されている感染源調査については、調査方法がブタからのウイルス分離・同定に変更された 2005 年度以降、毎年度約 800～1,500 頭のブタについて調査が実施されている。これまで 2006 年度に 3 頭、2007 年度に 3 頭、2009 年度に 2 頭、2010 年度に 9 頭、2011 年度に 8 頭、2012 年度に 3 頭、2013 年度に 1 頭、2014 年度に 2 頭、2018 年度に 2 頭のブタから A 型インフルエンザウイルスが分離された。2015 年度から 2017 年度および 2019 年度は調べた検体においてインフルエンザウイルスは検出されなかった。これらのブタから分離されたインフルエンザウイルスは抗血清による型別や遺伝子検査の結果から、近年にヒト感染例の報告があった A(H5)亜型、A(H7)亜型、A(H9)亜型の鳥インフルエンザウイルスではなかったことが確認された。しかしブタの間では A(H1N1)v 亜型、A(H1N2)v 亜型、A(H3N2)v 亜型ブタインフルエンザウイルスが循環し米国ではヒト感染例も多数確認されており、ブタの体内ではブタ、鳥またはヒトインフルエンザウイルスとの間の遺伝子再集合により新たなインフルエンザウイルスが出現する可能性があり、ブタは新型インフルエンザウイルスの発生源として重要な位置づけにあるため、今後も継続的に調査を実施し、監視する必要がある。

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- 11) Centers for Disease Control and Prevention: Reported infections with variant influenza viruses in the United States
[<http://www.cdc.gov/flu/swineflu/variant-cases-us.htm>]
- 12) 国立感染症研究所／厚生労働省健康局結核感染症課：今冬のインフルエンザについて（2019/20 シーズン）.
[<https://www.niid.go.jp/niid/images/idsc/disease/influ/fludoco1920.pdf>]

国立感染症研究所 インフルエンザウイルス研究センター第一室、第二室
感染症疫学センター第三室

表1 都道府県別年齢群別インフルエンザ感受性調査対象者数

The number of examinees for influenza susceptibility investigation by age group in each prefecture

| 都道府県 Prefecture | 合計 Total | 年齢群(歳) Age group (years) | | | | | | | | |
|--------------------|-------------|-----------------------------|-----|-------|-------|-------|-------|-------|-------|-----|
| | | 0-4 | 5-9 | 10-14 | 15-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60- |
| 合計 Total | 5446 | 573 | 442 | 555 | 390 | 869 | 846 | 699 | 664 | 408 |
| 北海道 Hokkaido | 201 | 30 | 12 | 15 | 8 | 19 | 33 | 32 | 32 | 20 |
| 山形 Yamagata | 213 | 38 | 29 | 15 | 4 | 20 | 39 | 42 | 25 | 1 |
| 福島 Fukushima | 209 | 31 | 12 | 15 | 2 | 44 | 24 | 25 | 32 | 24 |
| 茨城 Ibaraki | 198 | 42 | 17 | 19 | 13 | 26 | 33 | 25 | 11 | 12 |
| 栃木 Tochigi | 201 | 0 | 0 | 0 | 0 | 61 | 75 | 34 | 21 | 10 |
| 群馬 Gunma | 437 | 52 | 38 | 52 | 32 | 64 | 79 | 48 | 51 | 21 |
| 千葉 Chiba | 286 | 11 | 13 | 21 | 14 | 43 | 43 | 61 | 55 | 25 |
| 東京 Tokyo | 377 | 67 | 35 | 45 | 37 | 82 | 33 | 31 | 42 | 5 |
| 神奈川 Kanagawa | 321 | 41 | 20 | 26 | 28 | 58 | 58 | 30 | 30 | 30 |
| 新潟 Niigata | 397 | 0 | 58 | 79 | 0 | 36 | 96 | 59 | 60 | 9 |
| 富山 Toyama | 242 | 39 | 25 | 22 | 16 | 53 | 23 | 25 | 21 | 18 |
| 福井 Fukui | 199 | 12 | 12 | 17 | 22 | 30 | 23 | 29 | 23 | 31 |
| 山梨 Yamanashi | 142 | 0 | 18 | 13 | 17 | 13 | 15 | 22 | 22 | 22 |
| 長野 Nagano | 204 | 14 | 16 | 18 | 13 | 34 | 35 | 28 | 28 | 18 |
| 静岡 Shizuoka | 220 | 22 | 22 | 22 | 22 | 44 | 22 | 22 | 22 | 22 |
| 愛知 Aichi | 198 | 22 | 24 | 20 | 20 | 24 | 22 | 22 | 22 | 22 |
| 三重 Mie | 315 | 42 | 19 | 29 | 42 | 45 | 31 | 45 | 38 | 24 |
| 京都 Kyoto | 207 | 7 | 11 | 16 | 5 | 18 | 33 | 48 | 57 | 12 |
| 愛媛 Ehime | 250 | 44 | 25 | 25 | 24 | 44 | 22 | 22 | 22 | 22 |
| 高知 Kochi | 397 | 15 | 19 | 26 | 49 | 91 | 82 | 39 | 44 | 32 |
| 佐賀 Saga | 232 | 44 | 17 | 60 | 22 | 20 | 25 | 10 | 6 | 28 |

表2-1 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Brisbane/02/2018 [A(H1N1)pdm09]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 北海道 Hokkaido | | | | | | | | | | | | | | | |
| Total | 201 | 54 | 31 | 35 | 39 | 32 | 9 | 1 | 0 | 0 | 0 | 0 | 32.5 | 5.0 | |
| 0-4 | 30 | 19 | 6 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 25.7 | 4.7 | |
| 5-9 | 12 | 1 | 1 | 3 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 42.6 | 5.4 | |
| 10-14 | 15 | 1 | 3 | 2 | 3 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 42.0 | 5.4 | |
| 15-19 | 8 | 0 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 20-24 | 8 | 0 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 25-29 | 11 | 1 | 0 | 2 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 60.6 | 5.9 | |
| 30-34 | 15 | 1 | 0 | 3 | 6 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 51.2 | 5.7 | |
| 35-39 | 18 | 3 | 3 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 28.9 | 4.9 | |
| 40-44 | 5 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 50.4 | 5.7 | |
| 45-49 | 27 | 7 | 7 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 50-54 | 13 | 5 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.8 | 4.4 | |
| 55-59 | 19 | 6 | 2 | 6 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 29.0 | 4.9 | |
| 60-64 | 4 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 65-69 | 16 | 6 | 2 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 山形 Yamagata | | | | | | | | | | | | | | | |
| Total | 213 | 110 | 32 | 34 | 25 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 0-4 | 38 | 31 | 1 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 5-9 | 29 | 7 | 7 | 5 | 7 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 25.7 | 4.7 | |
| 10-14 | 15 | 4 | 2 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 22.7 | 4.5 | |
| 15-19 | 4 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 20-24 | 7 | 1 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 25-29 | 13 | 4 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.5 | 4.2 | |
| 30-34 | 23 | 15 | 1 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 35-39 | 16 | 5 | 2 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 22.7 | 4.5 | |
| 40-44 | 20 | 12 | 4 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 22 | 11 | 6 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.6 | 4.0 | |
| 50-54 | 15 | 11 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 55-59 | 10 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 60-64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 65-69 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 福島 Fukushima | | | | | | | | | | | | | | | |
| Total | 209 | 108 | 29 | 35 | 25 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 23.6 | 4.6 | |
| 0-4 | 31 | 25 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | |
| 5-9 | 12 | 7 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | |
| 10-14 | 15 | 2 | 3 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 24.8 | 4.6 | |
| 15-19 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | |
| 20-24 | 16 | 5 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.6 | 4.1 | |
| 25-29 | 28 | 12 | 2 | 6 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 30-34 | 15 | 4 | 2 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.1 | 5.0 | |
| 35-39 | 9 | 6 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 40-44 | 7 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 18 | 8 | 5 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 50-54 | 19 | 9 | 7 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15.2 | 3.9 | |
| 55-59 | 13 | 9 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 60-64 | 5 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 65-69 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 70- | 18 | 15 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 茨城 Ibaraki | | | | | | | | | | | | | | | |
| Total | 198 | 83 | 37 | 34 | 27 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 23.5 | 4.6 | |
| 0-4 | 42 | 28 | 5 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 5-9 | 17 | 6 | 3 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 33.1 | 5.0 | |
| 10-14 | 19 | 3 | 1 | 7 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 30.8 | 4.9 | |
| 15-19 | 13 | 5 | 1 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 43.6 | 5.4 | |
| 20-24 | 8 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 25-29 | 18 | 4 | 4 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 30-34 | 17 | 4 | 4 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 27.5 | 4.8 | |
| 35-39 | 16 | 8 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.3 | 4.2 | |
| 40-44 | 14 | 6 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 11 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | |
| 50-54 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 55-59 | 8 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 60-64 | 6 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 65-69 | 6 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-1 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Brisbane/02/2018 [A(H1N1)pdm09]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|-----|-----|-----|-----|------|-------|---|------------------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 栃木 Tochigi | | | | | | | | | | | | | | | |
| Total | 201 | 49 | 45 | 45 | 35 | 20 | 7 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 5-9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 20-24 | 15 | 1 | 3 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 25-29 | 46 | 3 | 11 | 11 | 10 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 29.4 | 4.9 | |
| 30-34 | 39 | 7 | 8 | 10 | 7 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 35-39 | 36 | 17 | 5 | 5 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 25.8 | 4.7 | |
| 40-44 | 18 | 3 | 4 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 45-49 | 16 | 7 | 5 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17.1 | 4.1 | |
| 50-54 | 15 | 4 | 6 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21.3 | 4.4 | |
| 55-59 | 6 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 60-64 | 5 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 65-69 | 4 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | |
| 70- | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 群馬 Gunma | | | | | | | | | | | | | | | |
| Total | 437 | 135 | 62 | 80 | 70 | 55 | 27 | 7 | 1 | 0 | 0 | 0 | 34.1 | 5.1 | |
| 0-4 | 52 | 38 | 4 | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 29.7 | 4.9 | |
| 5-9 | 38 | 6 | 3 | 10 | 9 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 41.8 | 5.4 | |
| 10-14 | 52 | 6 | 11 | 10 | 8 | 10 | 5 | 1 | 1 | 0 | 0 | 0 | 37.1 | 5.2 | |
| 15-19 | 32 | 1 | 6 | 4 | 10 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 37.4 | 5.2 | |
| 20-24 | 22 | 2 | 2 | 6 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 36.1 | 5.2 | |
| 25-29 | 42 | 7 | 6 | 9 | 6 | 8 | 4 | 2 | 0 | 0 | 0 | 0 | 40.8 | 5.4 | |
| 30-34 | 49 | 11 | 8 | 10 | 8 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 33.3 | 5.1 | |
| 35-39 | 30 | 7 | 4 | 5 | 8 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 36.5 | 5.2 | |
| 40-44 | 20 | 5 | 3 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.9 | 4.5 | |
| 45-49 | 28 | 16 | 2 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | |
| 50-54 | 23 | 12 | 5 | 2 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 29.2 | 4.9 | |
| 55-59 | 28 | 12 | 3 | 5 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 30.8 | 4.9 | |
| 60-64 | 16 | 9 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | |
| 65-69 | 4 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | |
| 70- | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 千葉 Chiba | | | | | | | | | | | | | | | |
| Total | 286 | 115 | 54 | 49 | 37 | 22 | 9 | 0 | 0 | 0 | 0 | 0 | 24.9 | 4.6 | |
| 0-4 | 11 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 5-9 | 13 | 2 | 2 | 2 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 35.3 | 5.1 | |
| 10-14 | 21 | 3 | 4 | 5 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 27.2 | 4.8 | |
| 15-19 | 14 | 3 | 4 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 20-24 | 18 | 3 | 2 | 2 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 36.5 | 5.2 | |
| 25-29 | 25 | 6 | 4 | 6 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 31.0 | 5.0 | |
| 30-34 | 21 | 6 | 4 | 4 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 27.6 | 4.8 | |
| 35-39 | 22 | 10 | 4 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 40-44 | 25 | 10 | 6 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 45-49 | 36 | 18 | 7 | 6 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 24.2 | 4.6 | |
| 50-54 | 26 | 17 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.7 | 3.9 | |
| 55-59 | 29 | 12 | 6 | 5 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 23.5 | 4.6 | |
| 60-64 | 18 | 11 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 65-69 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 東京 Tokyo | | | | | | | | | | | | | | | |
| Total | 377 | 0 | 3 | 2 | 41 | 128 | 154 | 39 | 10 | 0 | 0 | 0 | 117.3 | 6.9 | |
| 0-4 | 67 | 0 | 0 | 0 | 8 | 28 | 24 | 4 | 3 | 0 | 0 | 0 | 112.6 | 6.8 | |
| 5-9 | 35 | 0 | 0 | 0 | 3 | 11 | 15 | 6 | 0 | 0 | 0 | 0 | 128.7 | 7.0 | |
| 10-14 | 45 | 0 | 0 | 0 | 0 | 15 | 20 | 7 | 3 | 0 | 0 | 0 | 155.1 | 7.3 | |
| 15-19 | 37 | 0 | 0 | 0 | 0 | 12 | 19 | 4 | 2 | 0 | 0 | 0 | 148.4 | 7.2 | |
| 20-24 | 42 | 0 | 0 | 0 | 6 | 11 | 17 | 8 | 0 | 0 | 0 | 0 | 124.9 | 7.0 | |
| 25-29 | 40 | 0 | 0 | 1 | 6 | 6 | 18 | 8 | 1 | 0 | 0 | 0 | 132.2 | 7.0 | |
| 30-34 | 17 | 0 | 0 | 0 | 1 | 9 | 6 | 0 | 1 | 0 | 0 | 0 | 110.9 | 6.8 | |
| 35-39 | 16 | 0 | 0 | 0 | 3 | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 99.3 | 6.6 | |
| 40-44 | 17 | 0 | 0 | 1 | 3 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 76.8 | 6.3 | |
| 45-49 | 14 | 0 | 0 | 0 | 6 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 76.1 | 6.3 | |
| 50-54 | 22 | 0 | 2 | 0 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 82.6 | 6.4 | |
| 55-59 | 20 | 0 | 1 | 0 | 3 | 8 | 7 | 1 | 0 | 0 | 0 | 0 | 88.8 | 6.5 | |
| 60-64 | 5 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 139.3 | 7.1 | |
| 65-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-1 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Brisbane/02/2018 [A(H1N1)pdm09]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|-------|--------|------------------|--|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | | |
| 神奈川県 Kanagawa | | | | | | | | | | | | | | | | |
| Total | 321 | 119 | 52 | 52 | 60 | 28 | 8 | 2 | 0 | 0 | 0 | 0 | 27.8 | 4.8 | | |
| 0-4 | 41 | 25 | 7 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 20.9 | 4.4 | | |
| 5-9 | 20 | 3 | 4 | 3 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 28.9 | 4.9 | | |
| 10-14 | 26 | 3 | 5 | 5 | 5 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 37.7 | 5.2 | | |
| 15-19 | 28 | 8 | 2 | 4 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | | |
| 20-24 | 29 | 9 | 1 | 3 | 8 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 45.9 | 5.5 | | |
| 25-29 | 29 | 6 | 8 | 6 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 24.0 | 4.6 | | |
| 30-34 | 28 | 4 | 6 | 8 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | | |
| 35-39 | 30 | 14 | 3 | 8 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | | |
| 40-44 | 10 | 7 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | | |
| 45-49 | 20 | 7 | 4 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 4.2 | | |
| 50-54 | 15 | 7 | 2 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 30.8 | 4.9 | | |
| 55-59 | 15 | 4 | 3 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 29.2 | 4.9 | | |
| 60-64 | 3 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 65-69 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | |
| 70- | 20 | 15 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.5 | 3.5 | | |
| 新潟県 Niigata | | | | | | | | | | | | | | | | |
| Total | 397 | 57 | 32 | 34 | 67 | 90 | 61 | 39 | 14 | 3 | 0 | 74.0 | 6.2 | | | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | | |
| 5-9 | 58 | 3 | 2 | 4 | 10 | 12 | 14 | 8 | 4 | 1 | 0 | 105.6 | 6.7 | | | |
| 10-14 | 79 | 2 | 0 | 2 | 17 | 24 | 16 | 14 | 2 | 2 | 0 | 111.6 | 6.8 | | | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | | |
| 20-24 | 6 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 139.3 | 7.1 | | | |
| 25-29 | 30 | 2 | 1 | 4 | 5 | 8 | 8 | 2 | 0 | 0 | 0 | 72.5 | 6.2 | | | |
| 30-34 | 54 | 9 | 6 | 5 | 9 | 14 | 5 | 4 | 2 | 0 | 0 | 60.6 | 5.9 | | | |
| 35-39 | 42 | 9 | 1 | 4 | 4 | 9 | 7 | 6 | 2 | 0 | 0 | 98.7 | 6.6 | | | |
| 40-44 | 24 | 3 | 5 | 1 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 35.1 | 5.1 | | | |
| 45-49 | 35 | 11 | 7 | 2 | 4 | 6 | 3 | 1 | 1 | 0 | 0 | 43.6 | 5.4 | | | |
| 50-54 | 33 | 8 | 7 | 5 | 2 | 4 | 4 | 2 | 1 | 0 | 0 | 43.5 | 5.4 | | | |
| 55-59 | 27 | 8 | 2 | 2 | 7 | 3 | 4 | 1 | 0 | 0 | 0 | 53.6 | 5.7 | | | |
| 60-64 | 5 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | | | |
| 65-69 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 160.0 | 7.3 | | | |
| 70- | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | | |
| 富山県 Toyama | | | | | | | | | | | | | | | | |
| Total | 242 | 90 | 52 | 33 | 40 | 21 | 4 | 1 | 0 | 1 | 0 | 25.4 | 4.7 | | | |
| 0-4 | 39 | 33 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | | |
| 5-9 | 25 | 6 | 4 | 4 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 32.1 | 5.0 | | | |
| 10-14 | 22 | 4 | 8 | 1 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 23.3 | 4.5 | | | |
| 15-19 | 16 | 3 | 2 | 6 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 29.0 | 4.9 | | | |
| 20-24 | 25 | 3 | 7 | 3 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | | | |
| 25-29 | 28 | 4 | 7 | 7 | 6 | 2 | 1 | 1 | 0 | 0 | 0 | 26.7 | 4.7 | | | |
| 30-34 | 16 | 2 | 6 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | | |
| 35-39 | 7 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 63.5 | 6.0 | | | |
| 40-44 | 8 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | | |
| 45-49 | 17 | 11 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | | |
| 50-54 | 10 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | | | |
| 55-59 | 11 | 5 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | | | |
| 60-64 | 5 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | | | |
| 65-69 | 7 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15.2 | 3.9 | | | |
| 70- | 6 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | | | |
| 福井県 Fukui | | | | | | | | | | | | | | | | |
| Total | 199 | 77 | 38 | 41 | 28 | 11 | 3 | 1 | 0 | 0 | 0 | 23.1 | 4.5 | | | |
| 0-4 | 12 | 9 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | | |
| 5-9 | 12 | 3 | 1 | 2 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 50.4 | 5.7 | | | |
| 10-14 | 17 | 6 | 1 | 4 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 35.3 | 5.1 | | | |
| 15-19 | 22 | 2 | 5 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 22.2 | 4.5 | | | |
| 20-24 | 23 | 2 | 2 | 5 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 32.8 | 5.0 | | | |
| 25-29 | 7 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | | |
| 30-34 | 13 | 6 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | | | |
| 35-39 | 10 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | | | |
| 40-44 | 14 | 7 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 18.1 | 4.2 | | | |
| 45-49 | 15 | 9 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | | |
| 50-54 | 16 | 8 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 15.4 | 3.9 | | | |
| 55-59 | 7 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | | |
| 60-64 | 20 | 8 | 3 | 6 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | | | |
| 65-69 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | | |
| 70- | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | | |

表2-1 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Brisbane/02/2018 [A(H1N1)pdm09]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|------------------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 山梨 Yamanashi | | | | | | | | | | | | | | | |
| Total | 142 | 34 | 15 | 19 | 29 | 27 | 16 | 2 | 0 | 0 | 0 | 0 | 44.3 | 5.5 | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 5-9 | 18 | 3 | 0 | 1 | 3 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 76.4 | 6.3 | |
| 10-14 | 13 | 0 | 3 | 3 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 32.3 | 5.0 | |
| 15-19 | 17 | 0 | 1 | 2 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 55.4 | 5.8 | |
| 20-24 | 4 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 25-29 | 9 | 1 | 0 | 2 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 61.7 | 5.9 | |
| 30-34 | 4 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 67.3 | 6.1 | |
| 35-39 | 11 | 2 | 3 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 34.3 | 5.1 | |
| 40-44 | 12 | 4 | 0 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 51.9 | 5.7 | |
| 45-49 | 10 | 4 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 35.6 | 5.2 | |
| 50-54 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 55-59 | 15 | 5 | 4 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 | |
| 60-64 | 7 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 65-69 | 4 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 160.0 | 7.3 | |
| 70- | 11 | 5 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 35.6 | 5.2 | |
| 長野 Nagano | | | | | | | | | | | | | | | |
| Total | 204 | 62 | 30 | 36 | 45 | 21 | 10 | 0 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | |
| 0-4 | 14 | 11 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 5-9 | 16 | 5 | 4 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 21.3 | 4.4 | |
| 10-14 | 18 | 1 | 1 | 5 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 38.4 | 5.3 | |
| 15-19 | 13 | 3 | 2 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 32.5 | 5.0 | |
| 20-24 | 16 | 0 | 0 | 4 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 51.9 | 5.7 | |
| 25-29 | 18 | 0 | 3 | 5 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 30-34 | 19 | 2 | 3 | 3 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 34.0 | 5.1 | |
| 35-39 | 16 | 4 | 5 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | |
| 40-44 | 11 | 4 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | |
| 45-49 | 17 | 10 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | |
| 50-54 | 19 | 12 | 1 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 32.8 | 5.0 | |
| 55-59 | 9 | 3 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 60-64 | 8 | 3 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 45.9 | 5.5 | |
| 65-69 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 6 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 45.9 | 5.5 | |
| 静岡 Shizuoka | | | | | | | | | | | | | | | |
| Total | 220 | 77 | 26 | 31 | 44 | 23 | 18 | 1 | 0 | 0 | 0 | 0 | 36.1 | 5.2 | |
| 0-4 | 22 | 16 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | |
| 5-9 | 22 | 6 | 2 | 0 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 59.1 | 5.9 | |
| 10-14 | 22 | 3 | 3 | 5 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 38.6 | 5.3 | |
| 15-19 | 22 | 1 | 2 | 3 | 3 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 61.4 | 5.9 | |
| 20-24 | 22 | 1 | 0 | 5 | 11 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 42.7 | 5.4 | |
| 25-29 | 22 | 6 | 3 | 3 | 4 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 41.8 | 5.4 | |
| 30-34 | 8 | 1 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32.8 | 5.0 | |
| 35-39 | 14 | 3 | 3 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.7 | 4.5 | |
| 40-44 | 5 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 45-49 | 17 | 10 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.9 | 3.9 | |
| 50-54 | 11 | 7 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 55-59 | 11 | 6 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.2 | 3.9 | |
| 60-64 | 14 | 10 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 65-69 | 8 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 愛知 Aichi | | | | | | | | | | | | | | | |
| Total | 198 | 114 | 40 | 22 | 13 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 18.7 | 4.2 | |
| 0-4 | 22 | 18 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 5-9 | 24 | 6 | 8 | 1 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 26.2 | 4.7 | |
| 10-14 | 20 | 9 | 4 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22.7 | 4.5 | |
| 15-19 | 20 | 3 | 7 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17.7 | 4.1 | |
| 20-24 | 13 | 2 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.5 | 4.0 | |
| 25-29 | 11 | 10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 30-34 | 10 | 6 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 35-39 | 12 | 8 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 40-44 | 8 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 45-49 | 14 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 50-54 | 11 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 55-59 | 11 | 9 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 60-64 | 15 | 9 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 65-69 | 7 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-1 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Brisbane/02/2018 [A(H1N1)pdm09]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 三重 Mie | | | | | | | | | | | | | | | |
| Total | 315 | 95 | 67 | 78 | 55 | 15 | 4 | 1 | 0 | 0 | 0 | 0 | 22.3 | 4.5 | |
| 0-4 | 42 | 31 | 6 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 24.2 | 4.6 | |
| 5-9 | 19 | 1 | 5 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 10-14 | 29 | 4 | 7 | 6 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 24.3 | 4.6 | |
| 15-19 | 42 | 3 | 5 | 14 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 28.5 | 4.8 | |
| 20-24 | 15 | 1 | 3 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.0 | 4.4 | |
| 25-29 | 30 | 1 | 6 | 11 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 26.6 | 4.7 | |
| 30-34 | 13 | 3 | 3 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.4 | 4.4 | |
| 35-39 | 18 | 5 | 2 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 24.8 | 4.6 | |
| 40-44 | 17 | 8 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 45-49 | 28 | 12 | 6 | 8 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 18.3 | 4.2 | |
| 50-54 | 20 | 8 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.3 | 3.7 | |
| 55-59 | 18 | 5 | 6 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 4.2 | |
| 60-64 | 15 | 6 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.1 | 4.1 | |
| 65-69 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 京都 Kyoto | | | | | | | | | | | | | | | |
| Total | 207 | 54 | 28 | 38 | 47 | 24 | 11 | 5 | 0 | 0 | 0 | 0 | 34.4 | 5.1 | |
| 0-4 | 7 | 4 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 100.8 | 6.7 | |
| 5-9 | 11 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | |
| 10-14 | 16 | 1 | 1 | 2 | 5 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 57.9 | 5.9 | |
| 15-19 | 5 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 47.6 | 5.6 | |
| 20-24 | 8 | 0 | 0 | 4 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 43.6 | 5.4 | |
| 25-29 | 10 | 3 | 1 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 44.2 | 5.5 | |
| 30-34 | 18 | 1 | 1 | 5 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 35-39 | 15 | 2 | 2 | 3 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 34.1 | 5.1 | |
| 40-44 | 20 | 7 | 4 | 4 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23.5 | 4.6 | |
| 45-49 | 28 | 13 | 4 | 2 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 33.2 | 5.1 | |
| 50-54 | 41 | 15 | 10 | 6 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 21.1 | 4.4 | |
| 55-59 | 16 | 3 | 1 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 32.3 | 5.0 | |
| 60-64 | 9 | 1 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 65-69 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 愛媛 Ehime | | | | | | | | | | | | | | | |
| Total | 250 | 53 | 34 | 61 | 68 | 27 | 7 | 0 | 0 | 0 | 0 | 0 | 29.3 | 4.9 | |
| 0-4 | 44 | 24 | 9 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 4.2 | |
| 5-9 | 25 | 3 | 1 | 11 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 27.4 | 4.8 | |
| 10-14 | 25 | 5 | 3 | 4 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 41.4 | 5.4 | |
| 15-19 | 24 | 3 | 1 | 5 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 41.3 | 5.4 | |
| 20-24 | 22 | 1 | 2 | 8 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 30.7 | 4.9 | |
| 25-29 | 22 | 2 | 4 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.5 | 4.7 | |
| 30-34 | 11 | 0 | 0 | 5 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 37.6 | 5.2 | |
| 35-39 | 11 | 0 | 1 | 5 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 37.6 | 5.2 | |
| 40-44 | 8 | 1 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 14 | 3 | 4 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 50-54 | 15 | 7 | 2 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 55-59 | 7 | 0 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 48.8 | 5.6 | |
| 60-64 | 19 | 3 | 3 | 7 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 65-69 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 高知 Kochi | | | | | | | | | | | | | | | |
| Total | 397 | 111 | 53 | 98 | 75 | 48 | 11 | 1 | 0 | 0 | 0 | 0 | 29.1 | 4.9 | |
| 0-4 | 15 | 12 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 5-9 | 19 | 1 | 0 | 3 | 8 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 50.4 | 5.7 | |
| 10-14 | 26 | 4 | 2 | 8 | 5 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 36.4 | 5.2 | |
| 15-19 | 49 | 3 | 5 | 12 | 14 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 39.4 | 5.3 | |
| 20-24 | 42 | 2 | 3 | 12 | 12 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 37.3 | 5.2 | |
| 25-29 | 49 | 14 | 10 | 10 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 24.9 | 4.6 | |
| 30-34 | 47 | 9 | 12 | 10 | 11 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 24.0 | 4.6 | |
| 35-39 | 35 | 7 | 3 | 15 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 25.6 | 4.7 | |
| 40-44 | 17 | 9 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.8 | 4.4 | |
| 45-49 | 22 | 11 | 2 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.3 | 4.4 | |
| 50-54 | 26 | 15 | 1 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 27.4 | 4.8 | |
| 55-59 | 18 | 8 | 3 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 | |
| 60-64 | 7 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 65-69 | 8 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.2 | 3.7 | |
| 70- | 17 | 9 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |

表2-1 都道府県別インフルエンザHI抗体保有状況
 Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
 A/Brisbane/02/2018 [A(H1N1)pdm09]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | |
| 佐賀 Saga | 232 | 23 | 57 | 19 | 26 | 48 | 32 | 15 | 12 | 0 | 0 | 0 | 50.8 | 5.7 |
| Total | 44 | 1 | 36 | 0 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 14.7 | 3.9 |
| 0-4 | 17 | 5 | 2 | 0 | 2 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 75.5 | 6.2 |
| 5-9 | 60 | 0 | 10 | 8 | 10 | 15 | 11 | 2 | 4 | 0 | 0 | 0 | 57.2 | 5.8 |
| 10-14 | 22 | 0 | 1 | 2 | 2 | 3 | 5 | 3 | 6 | 0 | 0 | 0 | 150.2 | 7.2 |
| 15-19 | 5 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 69.6 | 6.1 |
| 20-24 | 15 | 1 | 0 | 1 | 2 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 88.3 | 6.5 |
| 25-29 | 19 | 2 | 2 | 1 | 1 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 76.8 | 6.3 |
| 30-34 | 6 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 50.4 | 5.7 |
| 35-39 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 |
| 40-44 | 6 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 |
| 45-49 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 226.3 | 7.8 |
| 50-54 | 4 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 |
| 55-59 | 17 | 6 | 1 | 1 | 3 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 80.0 | 6.3 |
| 60-64 | 7 | 3 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 |
| 65-69 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 226.3 | 7.8 |
| 70- | | | | | | | | | | | | | | |

表2-2 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Kansas/14/2017 [A(H3N2)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 北海道 Hokkaido | | | | | | | | | | | | | | | |
| Total | 201 | 9 | 56 | 77 | 45 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 21.6 | 4.4 | |
| 0-4 | 30 | 1 | 17 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.7 | 3.9 | |
| 5-9 | 12 | 0 | 1 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 10-14 | 15 | 0 | 1 | 4 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 15-19 | 8 | 0 | 1 | 2 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | |
| 20-24 | 8 | 0 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 25-29 | 11 | 0 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 30-34 | 15 | 1 | 4 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 23.2 | 4.5 | |
| 35-39 | 18 | 1 | 3 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.7 | 4.1 | |
| 40-44 | 5 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 45-49 | 27 | 0 | 8 | 10 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 22.7 | 4.5 | |
| 50-54 | 13 | 0 | 3 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 27.5 | 4.8 | |
| 55-59 | 19 | 1 | 5 | 11 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.5 | 4.2 | |
| 60-64 | 4 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 65-69 | 16 | 4 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 山形 Yamagata | | | | | | | | | | | | | | | |
| Total | 213 | 110 | 53 | 25 | 21 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 17.1 | 4.1 | |
| 0-4 | 38 | 28 | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 5-9 | 29 | 5 | 13 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 10-14 | 15 | 1 | 9 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | |
| 15-19 | 4 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 20-24 | 7 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 25-29 | 13 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 30-34 | 23 | 14 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.7 | 3.9 | |
| 35-39 | 16 | 7 | 3 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.6 | 4.4 | |
| 40-44 | 20 | 10 | 3 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 45-49 | 22 | 16 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 50-54 | 15 | 10 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 55-59 | 10 | 3 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.9 | 3.9 | |
| 60-64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 65-69 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 福島 Fukushima | | | | | | | | | | | | | | | |
| Total | 209 | 99 | 72 | 29 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | |
| 0-4 | 31 | 30 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | |
| 5-9 | 12 | 5 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.1 | 4.2 | |
| 10-14 | 15 | 7 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 15-19 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 20-24 | 16 | 3 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.1 | 3.7 | |
| 25-29 | 28 | 13 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 30-34 | 15 | 6 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.6 | 3.8 | |
| 35-39 | 9 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 3.4 | |
| 40-44 | 7 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 45-49 | 18 | 2 | 13 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.4 | 3.6 | |
| 50-54 | 19 | 8 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.6 | 4.0 | |
| 55-59 | 13 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 60-64 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 65-69 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 18 | 9 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 茨城 Ibaraki | | | | | | | | | | | | | | | |
| Total | 198 | 123 | 38 | 12 | 20 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 19.3 | 4.3 | |
| 0-4 | 42 | 32 | 4 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 | |
| 5-9 | 17 | 5 | 5 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.9 | 4.2 | |
| 10-14 | 19 | 3 | 7 | 4 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 15-19 | 13 | 6 | 2 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 26.9 | 4.8 | |
| 20-24 | 8 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 25-29 | 18 | 12 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 3.5 | |
| 30-34 | 17 | 12 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 35-39 | 16 | 10 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 40-44 | 14 | 11 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 45-49 | 11 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 50-54 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 55-59 | 8 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 60-64 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 65-69 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-2 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Kansas/14/2017 [A(H3N2)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | |
|---|-------------|----------------------------|-----|-----|----|-----|-----|-----|-----|------|-------|---|------------------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 栃木 Tochigi | | | | | | | | | | | | | | | |
| Total | 201 | 1 | 44 | 132 | 22 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 18.8 | 4.2 | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 5-9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 20-24 | 15 | 0 | 5 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.2 | 4.2 | |
| 25-29 | 46 | 0 | 5 | 36 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 30-34 | 39 | 0 | 9 | 23 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.3 | 4.3 | |
| 35-39 | 36 | 0 | 9 | 24 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.2 | 4.2 | |
| 40-44 | 18 | 0 | 4 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.2 | 4.3 | |
| 45-49 | 16 | 0 | 4 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 19.2 | 4.3 | |
| 50-54 | 15 | 0 | 4 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | |
| 55-59 | 6 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 60-64 | 5 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.2 | 3.9 | |
| 65-69 | 4 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 70- | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 群馬 Gunma | | | | | | | | | | | | | | | |
| Total | 437 | 49 | 117 | 115 | 74 | 46 | 27 | 9 | 0 | 0 | 0 | 0 | 26.9 | 4.7 | |
| 0-4 | 52 | 23 | 14 | 10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.5 | 4.0 | |
| 5-9 | 38 | 5 | 9 | 5 | 7 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 35.3 | 5.1 | |
| 10-14 | 52 | 0 | 2 | 11 | 12 | 16 | 7 | 4 | 0 | 0 | 0 | 0 | 57.3 | 5.8 | |
| 15-19 | 32 | 0 | 7 | 5 | 6 | 9 | 3 | 2 | 0 | 0 | 0 | 0 | 41.8 | 5.4 | |
| 20-24 | 22 | 1 | 4 | 5 | 7 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 35.1 | 5.1 | |
| 25-29 | 42 | 1 | 20 | 12 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 19.0 | 4.2 | |
| 30-34 | 49 | 2 | 12 | 24 | 7 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 22.2 | 4.5 | |
| 35-39 | 30 | 1 | 11 | 5 | 10 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 23.6 | 4.6 | |
| 40-44 | 20 | 3 | 2 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.5 | 4.7 | |
| 45-49 | 28 | 2 | 8 | 11 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.1 | 4.4 | |
| 50-54 | 23 | 1 | 9 | 8 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 55-59 | 28 | 5 | 10 | 7 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 60-64 | 16 | 4 | 6 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 65-69 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 70- | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 千葉 Chiba | | | | | | | | | | | | | | | |
| Total | 286 | 43 | 83 | 83 | 51 | 16 | 9 | 1 | 0 | 0 | 0 | 0 | 21.8 | 4.4 | |
| 0-4 | 11 | 0 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.3 | 4.4 | |
| 5-9 | 13 | 0 | 3 | 6 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 26.1 | 4.7 | |
| 10-14 | 21 | 1 | 3 | 8 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 | |
| 15-19 | 14 | 1 | 2 | 4 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | |
| 20-24 | 18 | 1 | 5 | 5 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 30.1 | 4.9 | |
| 25-29 | 25 | 2 | 6 | 7 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 25.5 | 4.7 | |
| 30-34 | 21 | 5 | 8 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17.6 | 4.1 | |
| 35-39 | 22 | 3 | 7 | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 40-44 | 25 | 6 | 7 | 8 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 36 | 6 | 13 | 8 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 20.9 | 4.4 | |
| 50-54 | 26 | 8 | 10 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 55-59 | 29 | 6 | 7 | 7 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 24.0 | 4.6 | |
| 60-64 | 18 | 3 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 3.8 | |
| 65-69 | 7 | 1 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 東京 Tokyo | | | | | | | | | | | | | | | |
| Total | 377 | 0 | 0 | 0 | 20 | 229 | 121 | 7 | 0 | 0 | 0 | 0 | 98.8 | 6.6 | |
| 0-4 | 67 | 0 | 0 | 0 | 11 | 46 | 9 | 1 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | |
| 5-9 | 35 | 0 | 0 | 0 | 0 | 19 | 15 | 1 | 0 | 0 | 0 | 0 | 112.0 | 6.8 | |
| 10-14 | 45 | 0 | 0 | 0 | 1 | 26 | 18 | 0 | 0 | 0 | 0 | 0 | 103.9 | 6.7 | |
| 15-19 | 37 | 0 | 0 | 0 | 1 | 20 | 14 | 2 | 0 | 0 | 0 | 0 | 110.0 | 6.8 | |
| 20-24 | 42 | 0 | 0 | 0 | 2 | 27 | 12 | 1 | 0 | 0 | 0 | 0 | 97.5 | 6.6 | |
| 25-29 | 40 | 0 | 0 | 0 | 0 | 31 | 8 | 1 | 0 | 0 | 0 | 0 | 95.1 | 6.6 | |
| 30-34 | 17 | 0 | 0 | 0 | 1 | 9 | 6 | 1 | 0 | 0 | 0 | 0 | 106.4 | 6.7 | |
| 35-39 | 16 | 0 | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 113.1 | 6.8 | |
| 40-44 | 17 | 0 | 0 | 0 | 2 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 94.2 | 6.6 | |
| 45-49 | 14 | 0 | 0 | 0 | 0 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 97.5 | 6.6 | |
| 50-54 | 22 | 0 | 0 | 0 | 2 | 14 | 6 | 0 | 0 | 0 | 0 | 0 | 90.7 | 6.5 | |
| 55-59 | 20 | 0 | 0 | 0 | 0 | 8 | 12 | 0 | 0 | 0 | 0 | 0 | 121.3 | 6.9 | |
| 60-64 | 5 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 121.3 | 6.9 | |
| 65-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-2 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Kansas/14/2017 [A(H3N2)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | | |
|---|-------------|----------------------------|-----|----|----|----|-----|-----|-----|------|-------|---|------------------|------------------|--|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | | |
| 神奈川県 Kanagawa | | | | | | | | | | | | | | | | |
| Total | 321 | 202 | 34 | 41 | 24 | 14 | 4 | 2 | 0 | 0 | 0 | 0 | 25.0 | 4.6 | | |
| 0-4 | 41 | 31 | 4 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.4 | 4.4 | | |
| 5-9 | 20 | 7 | 1 | 5 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | | |
| 10-14 | 26 | 15 | 2 | 4 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 33.1 | 5.0 | | |
| 15-19 | 28 | 6 | 11 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.0 | 4.0 | | |
| 20-24 | 29 | 13 | 1 | 6 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 38.3 | 5.3 | | |
| 25-29 | 29 | 21 | 3 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | | |
| 30-34 | 28 | 20 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 35-39 | 30 | 21 | 1 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 37.0 | 5.2 | | |
| 40-44 | 10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | |
| 45-49 | 20 | 16 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 50-54 | 15 | 11 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 55-59 | 15 | 13 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 60-64 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | |
| 65-69 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |
| 70- | 20 | 11 | 4 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21.6 | 4.4 | | |
| 新潟県 Niigata | | | | | | | | | | | | | | | | |
| Total | 397 | 117 | 123 | 77 | 51 | 22 | 5 | 2 | 0 | 0 | 0 | 0 | 19.8 | 4.3 | | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |
| 5-9 | 58 | 15 | 13 | 11 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 24.3 | 4.6 | | |
| 10-14 | 79 | 18 | 26 | 19 | 11 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 19.1 | 4.3 | | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |
| 20-24 | 6 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 25-29 | 30 | 3 | 13 | 6 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 19.5 | 4.3 | | |
| 30-34 | 54 | 13 | 18 | 16 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | | |
| 35-39 | 42 | 16 | 10 | 3 | 7 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 26.8 | 4.7 | | |
| 40-44 | 24 | 9 | 7 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | | |
| 45-49 | 35 | 12 | 14 | 6 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 15.2 | 3.9 | | |
| 50-54 | 33 | 11 | 14 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 55-59 | 27 | 12 | 6 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.9 | 4.4 | | |
| 60-64 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |
| 65-69 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 160.0 | 7.3 | | |
| 70- | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | | |
| 富山県 Toyama | | | | | | | | | | | | | | | | |
| Total | 242 | 11 | 109 | 64 | 46 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 17.9 | 4.2 | | |
| 0-4 | 39 | 4 | 18 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.3 | 3.8 | | |
| 5-9 | 25 | 0 | 6 | 8 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.6 | 4.6 | | |
| 10-14 | 22 | 0 | 7 | 6 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22.7 | 4.5 | | |
| 15-19 | 16 | 0 | 2 | 2 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 20-24 | 25 | 0 | 8 | 7 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | | |
| 25-29 | 28 | 1 | 19 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.3 | 3.6 | | |
| 30-34 | 16 | 1 | 9 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 3.8 | | |
| 35-39 | 7 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.2 | 3.6 | | |
| 40-44 | 8 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 45-49 | 17 | 2 | 11 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 3.8 | | |
| 50-54 | 10 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | | |
| 55-59 | 11 | 0 | 7 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 17.6 | 4.1 | | |
| 60-64 | 5 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | | |
| 65-69 | 7 | 0 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 70- | 6 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 福井県 Fukui | | | | | | | | | | | | | | | | |
| Total | 199 | 25 | 61 | 76 | 31 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 18.8 | 4.2 | | |
| 0-4 | 12 | 4 | 5 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.3 | 4.2 | | |
| 5-9 | 12 | 1 | 1 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.7 | 4.7 | | |
| 10-14 | 17 | 7 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | | |
| 15-19 | 22 | 0 | 5 | 10 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22.7 | 4.5 | | |
| 20-24 | 23 | 3 | 3 | 9 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 27.3 | 4.8 | | |
| 25-29 | 7 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | | |
| 30-34 | 13 | 4 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.1 | 4.1 | | |
| 35-39 | 10 | 0 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | | |
| 40-44 | 14 | 1 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.2 | 4.0 | | |
| 45-49 | 15 | 0 | 6 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | | |
| 50-54 | 16 | 2 | 8 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 55-59 | 7 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | |
| 60-64 | 20 | 2 | 9 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.3 | 3.9 | | |
| 65-69 | 6 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | | |
| 70- | 5 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |

表2-2 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Kansas/14/2017 [A(H3N2)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 山梨 Yamanashi | | | | | | | | | | | | | | | |
| Total | 142 | 75 | 33 | 21 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 16.9 | 4.1 | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 5-9 | 18 | 10 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 10-14 | 13 | 4 | 3 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.3 | 4.5 | |
| 15-19 | 17 | 7 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 20-24 | 4 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 25-29 | 9 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 30-34 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 35-39 | 11 | 7 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 40-44 | 12 | 5 | 3 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 45-49 | 10 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 50-54 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 55-59 | 15 | 8 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | |
| 60-64 | 7 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 65-69 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 70- | 11 | 5 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 長野 Nagano | | | | | | | | | | | | | | | |
| Total | 204 | 19 | 19 | 66 | 64 | 26 | 9 | 1 | 0 | 0 | 0 | 0 | 32.3 | 5.0 | |
| 0-4 | 14 | 2 | 3 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 30.0 | 4.9 | |
| 5-9 | 16 | 3 | 1 | 3 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 37.9 | 5.2 | |
| 10-14 | 18 | 2 | 3 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.8 | 4.5 | |
| 15-19 | 13 | 1 | 1 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | |
| 20-24 | 16 | 0 | 0 | 6 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 25-29 | 18 | 1 | 0 | 4 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 43.4 | 5.4 | |
| 30-34 | 19 | 2 | 1 | 8 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 32.6 | 5.0 | |
| 35-39 | 16 | 0 | 0 | 7 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 40-44 | 11 | 1 | 2 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 45-49 | 17 | 1 | 4 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 50-54 | 19 | 3 | 2 | 6 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 55-59 | 9 | 1 | 2 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 36.7 | 5.2 | |
| 60-64 | 8 | 1 | 0 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 65-69 | 4 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 70- | 6 | 0 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 50.4 | 5.7 | |
| 静岡 Shizuoka | | | | | | | | | | | | | | | |
| Total | 220 | 153 | 29 | 24 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 17.7 | 4.1 | |
| 0-4 | 22 | 19 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 5-9 | 22 | 17 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | |
| 10-14 | 22 | 18 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 15-19 | 22 | 15 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 20-24 | 22 | 12 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | |
| 25-29 | 22 | 15 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 30-34 | 8 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 35-39 | 14 | 9 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.2 | 3.9 | |
| 40-44 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 17 | 13 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 50-54 | 11 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 55-59 | 11 | 6 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 60-64 | 14 | 6 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.4 | 3.9 | |
| 65-69 | 8 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 愛知 Aichi | | | | | | | | | | | | | | | |
| Total | 198 | 111 | 55 | 21 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 14.4 | 3.9 | |
| 0-4 | 22 | 13 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.8 | 3.4 | |
| 5-9 | 24 | 6 | 12 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 10-14 | 20 | 7 | 8 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.3 | 3.9 | |
| 15-19 | 20 | 9 | 2 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.3 | 4.4 | |
| 20-24 | 13 | 6 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | |
| 25-29 | 11 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 30-34 | 10 | 4 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 35-39 | 12 | 10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 40-44 | 8 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 45-49 | 14 | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 50-54 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 55-59 | 11 | 7 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 60-64 | 15 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 65-69 | 7 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-2 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Kansas/14/2017 [A(H3N2)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|-----|-----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 三重 Mie | | | | | | | | | | | | | | | |
| Total | 315 | 0 | 0 | 127 | 144 | 39 | 5 | 0 | 0 | 0 | 0 | 0 | 33.7 | 5.1 | |
| 0-4 | 42 | 0 | 0 | 30 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 24.8 | 4.6 | |
| 5-9 | 19 | 0 | 0 | 7 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 37.2 | 5.2 | |
| 10-14 | 29 | 0 | 0 | 6 | 18 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 15-19 | 42 | 0 | 0 | 9 | 23 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 40.7 | 5.3 | |
| 20-24 | 15 | 0 | 0 | 5 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 38.2 | 5.3 | |
| 25-29 | 30 | 0 | 0 | 12 | 15 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 33.2 | 5.1 | |
| 30-34 | 13 | 0 | 0 | 6 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 34.1 | 5.1 | |
| 35-39 | 18 | 0 | 0 | 9 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 30.5 | 4.9 | |
| 40-44 | 17 | 0 | 0 | 7 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.3 | 5.0 | |
| 45-49 | 28 | 0 | 0 | 11 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 32.8 | 5.0 | |
| 50-54 | 20 | 0 | 0 | 9 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | |
| 55-59 | 18 | 0 | 0 | 9 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 60-64 | 15 | 0 | 0 | 3 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 36.5 | 5.2 | |
| 65-69 | 5 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 70- | 4 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 47.6 | 5.6 | |
| 京都 Kyoto | | | | | | | | | | | | | | | |
| Total | 207 | 0 | 5 | 55 | 117 | 25 | 4 | 1 | 0 | 0 | 0 | 0 | 36.3 | 5.2 | |
| 0-4 | 7 | 0 | 0 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 5-9 | 11 | 0 | 0 | 1 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 54.8 | 5.8 | |
| 10-14 | 16 | 0 | 0 | 3 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 43.6 | 5.4 | |
| 15-19 | 5 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 20-24 | 8 | 0 | 1 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 43.6 | 5.4 | |
| 25-29 | 10 | 0 | 0 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 32.5 | 5.0 | |
| 30-34 | 18 | 0 | 1 | 2 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 38.5 | 5.3 | |
| 35-39 | 15 | 0 | 0 | 1 | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 45.9 | 5.5 | |
| 40-44 | 20 | 0 | 1 | 5 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | |
| 45-49 | 28 | 0 | 1 | 6 | 19 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 34.5 | 5.1 | |
| 50-54 | 41 | 0 | 1 | 17 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 30.0 | 4.9 | |
| 55-59 | 16 | 0 | 0 | 6 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 32.2 | 5.0 | |
| 60-64 | 9 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 34.3 | 5.1 | |
| 65-69 | 3 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 愛媛 Ehime | | | | | | | | | | | | | | | |
| Total | 250 | 20 | 49 | 83 | 56 | 24 | 12 | 4 | 2 | 0 | 0 | 0 | 28.5 | 4.8 | |
| 0-4 | 44 | 7 | 9 | 17 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 22.8 | 4.5 | |
| 5-9 | 25 | 0 | 5 | 11 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 25.0 | 4.6 | |
| 10-14 | 25 | 0 | 2 | 7 | 5 | 6 | 3 | 1 | 1 | 0 | 0 | 0 | 49.9 | 5.6 | |
| 15-19 | 24 | 2 | 2 | 7 | 7 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | |
| 20-24 | 22 | 0 | 2 | 8 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 30.1 | 4.9 | |
| 25-29 | 22 | 1 | 6 | 8 | 4 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 30-34 | 11 | 0 | 1 | 3 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 35.3 | 5.1 | |
| 35-39 | 11 | 1 | 2 | 4 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 | |
| 40-44 | 8 | 0 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 45-49 | 14 | 2 | 3 | 3 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 50-54 | 15 | 4 | 3 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.6 | 4.0 | |
| 55-59 | 7 | 0 | 1 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 36.2 | 5.2 | |
| 60-64 | 19 | 2 | 9 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 17.0 | 4.1 | |
| 65-69 | 3 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 高知 Kochi | | | | | | | | | | | | | | | |
| Total | 397 | 10 | 82 | 165 | 119 | 18 | 2 | 1 | 0 | 0 | 0 | 0 | 23.2 | 4.5 | |
| 0-4 | 15 | 0 | 4 | 10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.2 | 4.2 | |
| 5-9 | 19 | 0 | 0 | 10 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.8 | 4.8 | |
| 10-14 | 26 | 0 | 0 | 11 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 32.3 | 5.0 | |
| 15-19 | 49 | 0 | 4 | 23 | 18 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 27.3 | 4.8 | |
| 20-24 | 42 | 1 | 13 | 12 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.4 | 4.4 | |
| 25-29 | 49 | 3 | 15 | 19 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 30-34 | 47 | 2 | 13 | 20 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 20.9 | 4.4 | |
| 35-39 | 35 | 3 | 8 | 12 | 9 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 24.3 | 4.6 | |
| 40-44 | 17 | 0 | 8 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.0 | 4.1 | |
| 45-49 | 22 | 0 | 3 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.0 | 4.5 | |
| 50-54 | 26 | 0 | 3 | 12 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.4 | 4.7 | |
| 55-59 | 18 | 0 | 7 | 4 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 21.6 | 4.4 | |
| 60-64 | 7 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.1 | 4.2 | |
| 65-69 | 8 | 0 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 70- | 17 | 1 | 1 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.1 | 4.8 | |

表2-2 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
A/Kansas/14/2017 [A(H3N2)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|------------------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | |
| 佐賀 Saga | 232 | 11 | 26 | 91 | 89 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 27.1 | 4.8 |
| Total | 44 | 7 | 12 | 15 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 |
| 0-4 | 17 | 0 | 0 | 7 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 32.6 | 5.0 |
| 5-9 | 60 | 0 | 3 | 20 | 36 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 30.0 | 4.9 |
| 10-14 | 22 | 0 | 2 | 1 | 14 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 42.6 | 5.4 |
| 15-19 | 5 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 |
| 20-24 | 15 | 0 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 |
| 25-29 | 19 | 2 | 2 | 12 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22.6 | 4.5 |
| 30-34 | 6 | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 35.6 | 5.2 |
| 35-39 | 4 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 |
| 40-44 | 6 | 1 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 |
| 45-49 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 56.6 | 5.8 |
| 50-54 | 4 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 |
| 55-59 | 17 | 1 | 2 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.8 | 4.4 |
| 60-64 | 7 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.4 | 4.6 |
| 65-69 | 4 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 |
| 70- | | | | | | | | | | | | | | |

表2-3 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Phuket/3073/2013 [B(Yamagata lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|-----|----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 北海道 Hokkaido | | | | | | | | | | | | | | | |
| Total | 201 | 4 | 21 | 111 | 55 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 24.3 | 4.6 | |
| 0-4 | 30 | 3 | 10 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 5-9 | 12 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 10-14 | 15 | 0 | 0 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.1 | 4.6 | |
| 15-19 | 8 | 0 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 20-24 | 8 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 25-29 | 11 | 0 | 0 | 6 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 35.3 | 5.1 | |
| 30-34 | 15 | 0 | 1 | 7 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 35-39 | 18 | 0 | 5 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.8 | 4.4 | |
| 40-44 | 5 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 27 | 0 | 1 | 19 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.9 | 4.6 | |
| 50-54 | 13 | 0 | 0 | 4 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 36.0 | 5.2 | |
| 55-59 | 19 | 0 | 0 | 8 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.9 | 4.9 | |
| 60-64 | 4 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 65-69 | 16 | 0 | 2 | 6 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 山形 Yamagata | | | | | | | | | | | | | | | |
| Total | 213 | 85 | 45 | 40 | 32 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 21.1 | 4.4 | |
| 0-4 | 38 | 33 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 5-9 | 29 | 7 | 10 | 3 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.6 | 4.4 | |
| 10-14 | 15 | 4 | 2 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.8 | 4.2 | |
| 15-19 | 4 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 20-24 | 7 | 1 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 25-29 | 13 | 0 | 2 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.5 | 4.6 | |
| 30-34 | 23 | 2 | 7 | 5 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 35-39 | 16 | 7 | 3 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 40-44 | 20 | 9 | 3 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.3 | 4.4 | |
| 45-49 | 22 | 10 | 6 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 50-54 | 15 | 7 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.4 | 3.9 | |
| 55-59 | 10 | 4 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | |
| 60-64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 65-69 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 福島 Fukushima | | | | | | | | | | | | | | | |
| Total | 209 | 68 | 38 | 35 | 44 | 19 | 3 | 1 | 1 | 0 | 0 | 0 | 27.1 | 4.8 | |
| 0-4 | 31 | 29 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 5-9 | 12 | 3 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 10-14 | 15 | 0 | 3 | 7 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 24.1 | 4.6 | |
| 15-19 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 20-24 | 16 | 5 | 3 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.4 | 4.8 | |
| 25-29 | 28 | 3 | 6 | 5 | 8 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 31.2 | 5.0 | |
| 30-34 | 15 | 0 | 2 | 2 | 5 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 50.4 | 5.7 | |
| 35-39 | 9 | 3 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 40-44 | 7 | 2 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 18 | 6 | 4 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 50-54 | 19 | 4 | 4 | 3 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 55-59 | 13 | 3 | 4 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21.4 | 4.4 | |
| 60-64 | 5 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 65-69 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 18 | 8 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | |
| 茨城 Ibaraki | | | | | | | | | | | | | | | |
| Total | 198 | 47 | 49 | 52 | 37 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 21.5 | 4.4 | |
| 0-4 | 42 | 16 | 13 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15.7 | 4.0 | |
| 5-9 | 17 | 3 | 8 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | |
| 10-14 | 19 | 4 | 5 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.9 | 4.5 | |
| 15-19 | 13 | 1 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.2 | 4.4 | |
| 20-24 | 8 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 25-29 | 18 | 3 | 1 | 4 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 30-34 | 17 | 0 | 3 | 10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.7 | 4.4 | |
| 35-39 | 16 | 1 | 2 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 28.9 | 4.9 | |
| 40-44 | 14 | 2 | 4 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | |
| 45-49 | 11 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 30.8 | 4.9 | |
| 50-54 | 3 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 55-59 | 8 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 60-64 | 6 | 2 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 65-69 | 6 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-3 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Phuket/3073/2013 [B(Yamagata lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|-----|-----|----|-----|-----|-----|------|-------|---|------------------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 栃木 Tochigi | | | | | | | | | | | | | | | |
| Total | 201 | 18 | 26 | 39 | 55 | 40 | 19 | 3 | 1 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 5-9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 20-24 | 15 | 0 | 3 | 2 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 36.5 | 5.2 | |
| 25-29 | 46 | 2 | 5 | 7 | 11 | 12 | 5 | 3 | 1 | 0 | 0 | 0 | 53.1 | 5.7 | |
| 30-34 | 39 | 1 | 2 | 8 | 13 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 48.0 | 5.6 | |
| 35-39 | 36 | 2 | 3 | 12 | 9 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 36.1 | 5.2 | |
| 40-44 | 18 | 1 | 3 | 6 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 30.1 | 4.9 | |
| 45-49 | 16 | 6 | 3 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 50-54 | 15 | 3 | 2 | 0 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 42.4 | 5.4 | |
| 55-59 | 6 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | |
| 60-64 | 5 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 65-69 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 70- | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 群馬 Gunma | | | | | | | | | | | | | | | |
| Total | 437 | 34 | 84 | 160 | 112 | 34 | 12 | 1 | 0 | 0 | 0 | 0 | 25.3 | 4.7 | |
| 0-4 | 52 | 8 | 8 | 29 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.7 | 4.3 | |
| 5-9 | 38 | 18 | 12 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.2 | 4.0 | |
| 10-14 | 52 | 4 | 19 | 13 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 15-19 | 32 | 3 | 16 | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 17.7 | 4.1 | |
| 20-24 | 22 | 0 | 2 | 11 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 26.6 | 4.7 | |
| 25-29 | 42 | 0 | 4 | 20 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 27.8 | 4.8 | |
| 30-34 | 49 | 0 | 8 | 25 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 24.4 | 4.6 | |
| 35-39 | 30 | 0 | 4 | 12 | 7 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 31.0 | 5.0 | |
| 40-44 | 20 | 0 | 0 | 6 | 10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 38.6 | 5.3 | |
| 45-49 | 28 | 0 | 2 | 6 | 10 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 47.6 | 5.6 | |
| 50-54 | 23 | 0 | 1 | 7 | 9 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 37.7 | 5.2 | |
| 55-59 | 28 | 1 | 2 | 11 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 29.4 | 4.9 | |
| 60-64 | 16 | 0 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.6 | 4.1 | |
| 65-69 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 70- | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 千葉 Chiba | | | | | | | | | | | | | | | |
| Total | 286 | 2 | 32 | 56 | 83 | 67 | 36 | 7 | 3 | 0 | 0 | 0 | 45.4 | 5.5 | |
| 0-4 | 11 | 0 | 5 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 27.4 | 4.8 | |
| 5-9 | 13 | 0 | 2 | 6 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 36.0 | 5.2 | |
| 10-14 | 21 | 0 | 1 | 3 | 6 | 8 | 2 | 0 | 1 | 0 | 0 | 0 | 57.5 | 5.8 | |
| 15-19 | 14 | 0 | 0 | 1 | 6 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | |
| 20-24 | 18 | 0 | 1 | 4 | 4 | 4 | 4 | 0 | 1 | 0 | 0 | 0 | 58.8 | 5.9 | |
| 25-29 | 25 | 0 | 2 | 0 | 7 | 7 | 6 | 3 | 0 | 0 | 0 | 0 | 77.8 | 6.3 | |
| 30-34 | 21 | 0 | 0 | 1 | 6 | 8 | 5 | 1 | 0 | 0 | 0 | 0 | 77.4 | 6.3 | |
| 35-39 | 22 | 0 | 1 | 5 | 4 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 54.8 | 5.8 | |
| 40-44 | 25 | 0 | 6 | 6 | 5 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 33.9 | 5.1 | |
| 45-49 | 36 | 0 | 1 | 10 | 15 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 43.2 | 5.4 | |
| 50-54 | 26 | 1 | 5 | 3 | 11 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | |
| 55-59 | 29 | 0 | 6 | 4 | 8 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 39.1 | 5.3 | |
| 60-64 | 18 | 1 | 2 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.5 | 4.7 | |
| 65-69 | 7 | 0 | 0 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 29.7 | 4.9 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 東京 Tokyo | | | | | | | | | | | | | | | |
| Total | 377 | 0 | 0 | 1 | 2 | 18 | 82 | 206 | 61 | 7 | 0 | 0 | 290.3 | 8.2 | |
| 0-4 | 67 | 0 | 0 | 1 | 2 | 7 | 18 | 32 | 6 | 1 | 0 | 0 | 225.1 | 7.8 | |
| 5-9 | 35 | 0 | 0 | 0 | 0 | 3 | 8 | 15 | 9 | 0 | 0 | 0 | 289.8 | 8.2 | |
| 10-14 | 45 | 0 | 0 | 0 | 0 | 2 | 16 | 23 | 4 | 0 | 0 | 0 | 250.1 | 8.0 | |
| 15-19 | 37 | 0 | 0 | 0 | 0 | 4 | 7 | 18 | 6 | 2 | 0 | 0 | 291.4 | 8.2 | |
| 20-24 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 24 | 4 | 0 | 0 | 271.3 | 8.1 | |
| 25-29 | 40 | 0 | 0 | 0 | 0 | 0 | 5 | 28 | 7 | 0 | 0 | 0 | 331.3 | 8.4 | |
| 30-34 | 17 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 5 | 0 | 0 | 0 | 376.7 | 8.6 | |
| 35-39 | 16 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 2 | 2 | 0 | 0 | 349.0 | 8.4 | |
| 40-44 | 17 | 0 | 0 | 0 | 0 | 1 | 1 | 13 | 2 | 0 | 0 | 0 | 307.2 | 8.3 | |
| 45-49 | 14 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 4 | 0 | 0 | 0 | 320.0 | 8.3 | |
| 50-54 | 22 | 0 | 0 | 0 | 0 | 1 | 2 | 15 | 3 | 1 | 0 | 0 | 330.2 | 8.4 | |
| 55-59 | 20 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 5 | 1 | 0 | 0 | 380.5 | 8.6 | |
| 60-64 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 557.2 | 9.1 | |
| 65-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-3 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Phuket/3073/2013 [B(Yamagata lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|------------------|------------------|--|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | | |
| 神奈川県 Kanagawa | | | | | | | | | | | | | | | | |
| Total | 321 | 73 | 72 | 71 | 67 | 27 | 11 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | | |
| 0-4 | 41 | 28 | 3 | 1 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 5-9 | 20 | 4 | 4 | 2 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 32.2 | 5.0 | | |
| 10-14 | 26 | 3 | 7 | 8 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21.9 | 4.5 | | |
| 15-19 | 28 | 2 | 7 | 8 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 24.8 | 4.6 | | |
| 20-24 | 29 | 2 | 5 | 9 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 27.2 | 4.8 | | |
| 25-29 | 29 | 2 | 2 | 7 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 35.2 | 5.1 | | |
| 30-34 | 28 | 2 | 5 | 9 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | | |
| 35-39 | 30 | 6 | 7 | 10 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 24.5 | 4.6 | | |
| 40-44 | 10 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | | |
| 45-49 | 20 | 6 | 7 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 50-54 | 15 | 2 | 4 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22.3 | 4.5 | | |
| 55-59 | 15 | 3 | 8 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | |
| 60-64 | 3 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 65-69 | 7 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 70- | 20 | 3 | 9 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17.0 | 4.1 | | |
| 新潟県 Niigata | | | | | | | | | | | | | | | | |
| Total | 397 | 24 | 30 | 34 | 87 | 93 | 89 | 31 | 9 | 0 | 0 | 0 | 70.6 | 6.1 | | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |
| 5-9 | 58 | 2 | 8 | 3 | 21 | 17 | 6 | 1 | 0 | 0 | 0 | 0 | 47.0 | 5.6 | | |
| 10-14 | 79 | 4 | 5 | 10 | 24 | 15 | 15 | 6 | 0 | 0 | 0 | 0 | 59.5 | 5.9 | | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |
| 20-24 | 6 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 160.0 | 7.3 | | |
| 25-29 | 30 | 0 | 0 | 0 | 2 | 9 | 14 | 4 | 1 | 0 | 0 | 0 | 136.1 | 7.1 | | |
| 30-34 | 54 | 0 | 0 | 3 | 6 | 22 | 11 | 8 | 4 | 0 | 0 | 0 | 113.1 | 6.8 | | |
| 35-39 | 42 | 3 | 0 | 2 | 2 | 13 | 15 | 6 | 1 | 0 | 0 | 0 | 122.6 | 6.9 | | |
| 40-44 | 24 | 4 | 4 | 0 | 3 | 4 | 7 | 2 | 0 | 0 | 0 | 0 | 69.6 | 6.1 | | |
| 45-49 | 35 | 4 | 7 | 6 | 8 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 35.8 | 5.2 | | |
| 50-54 | 33 | 1 | 2 | 6 | 8 | 2 | 10 | 2 | 2 | 0 | 0 | 0 | 70.3 | 6.1 | | |
| 55-59 | 27 | 4 | 3 | 3 | 9 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 46.5 | 5.5 | | |
| 60-64 | 5 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | | |
| 65-69 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | | |
| 70- | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 富山県 Toyama | | | | | | | | | | | | | | | | |
| Total | 242 | 50 | 58 | 54 | 49 | 26 | 5 | 0 | 0 | 0 | 0 | 0 | 24.7 | 4.6 | | |
| 0-4 | 39 | 28 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.7 | 3.4 | | |
| 5-9 | 25 | 6 | 7 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 23.1 | 4.5 | | |
| 10-14 | 22 | 3 | 6 | 3 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 4.6 | | |
| 15-19 | 16 | 1 | 8 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.6 | 4.1 | | |
| 20-24 | 25 | 0 | 2 | 9 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 38.9 | 5.3 | | |
| 25-29 | 28 | 0 | 4 | 6 | 9 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 37.1 | 5.2 | | |
| 30-34 | 16 | 0 | 3 | 4 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 29.5 | 4.9 | | |
| 35-39 | 7 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32.8 | 5.0 | | |
| 40-44 | 8 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | |
| 45-49 | 17 | 2 | 5 | 6 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 20.9 | 4.4 | | |
| 50-54 | 10 | 1 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.1 | 4.1 | | |
| 55-59 | 11 | 3 | 1 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 30.8 | 4.9 | | |
| 60-64 | 5 | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 65-69 | 7 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | | |
| 70- | 6 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | | |
| 福井県 Fukui | | | | | | | | | | | | | | | | |
| Total | 199 | 32 | 37 | 49 | 49 | 22 | 9 | 1 | 0 | 0 | 0 | 0 | 28.7 | 4.8 | | |
| 0-4 | 12 | 5 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | | |
| 5-9 | 12 | 2 | 2 | 4 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 | | |
| 10-14 | 17 | 0 | 5 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22.6 | 4.5 | | |
| 15-19 | 22 | 2 | 2 | 5 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 36.1 | 5.2 | | |
| 20-24 | 23 | 2 | 1 | 5 | 8 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 42.7 | 5.4 | | |
| 25-29 | 7 | 2 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | | |
| 30-34 | 13 | 0 | 1 | 4 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 32.3 | 5.0 | | |
| 35-39 | 10 | 0 | 2 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 37.3 | 5.2 | | |
| 40-44 | 14 | 1 | 1 | 7 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 27.5 | 4.8 | | |
| 45-49 | 15 | 3 | 1 | 5 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | | |
| 50-54 | 16 | 5 | 3 | 1 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 42.6 | 5.4 | | |
| 55-59 | 7 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | | |
| 60-64 | 20 | 6 | 7 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 17.2 | 4.1 | | |
| 65-69 | 6 | 0 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | | |
| 70- | 5 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |

表2-3 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Phuket/3073/2013 [B(Yamagata lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 山梨 Yamanashi | | | | | | | | | | | | | | | |
| Total | 142 | 4 | 19 | 16 | 43 | 25 | 23 | 9 | 3 | 0 | 0 | 0 | 53.0 | 5.7 | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 5-9 | 18 | 0 | 3 | 3 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 43.2 | 5.4 | |
| 10-14 | 13 | 1 | 4 | 0 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 37.8 | 5.2 | |
| 15-19 | 17 | 0 | 1 | 1 | 4 | 4 | 4 | 2 | 1 | 0 | 0 | 0 | 86.8 | 6.4 | |
| 20-24 | 4 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 67.3 | 6.1 | |
| 25-29 | 9 | 1 | 1 | 0 | 1 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 113.1 | 6.8 | |
| 30-34 | 4 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 113.1 | 6.8 | |
| 35-39 | 11 | 0 | 0 | 0 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 66.2 | 6.0 | |
| 40-44 | 12 | 0 | 0 | 3 | 2 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 67.3 | 6.1 | |
| 45-49 | 10 | 0 | 1 | 1 | 5 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 45.9 | 5.5 | |
| 50-54 | 7 | 0 | 1 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 44.2 | 5.5 | |
| 55-59 | 15 | 2 | 3 | 2 | 4 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 42.2 | 5.4 | |
| 60-64 | 7 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 48.8 | 5.6 | |
| 65-69 | 4 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | |
| 70- | 11 | 0 | 3 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.7 | 4.7 | |
| 長野 Nagano | | | | | | | | | | | | | | | |
| Total | 204 | 18 | 10 | 64 | 50 | 37 | 20 | 5 | 0 | 0 | 0 | 0 | 41.2 | 5.4 | |
| 0-4 | 14 | 9 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 5-9 | 16 | 5 | 1 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.7 | 4.7 | |
| 10-14 | 18 | 1 | 0 | 10 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 34.0 | 5.1 | |
| 15-19 | 13 | 0 | 2 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 37.9 | 5.2 | |
| 20-24 | 16 | 0 | 0 | 2 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 64.4 | 6.0 | |
| 25-29 | 18 | 0 | 0 | 4 | 6 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 63.5 | 6.0 | |
| 30-34 | 19 | 1 | 0 | 5 | 6 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 52.4 | 5.7 | |
| 35-39 | 16 | 0 | 0 | 3 | 6 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 54.2 | 5.8 | |
| 40-44 | 11 | 0 | 1 | 3 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 45-49 | 17 | 1 | 0 | 6 | 4 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 47.6 | 5.6 | |
| 50-54 | 19 | 0 | 2 | 7 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 5.0 | |
| 55-59 | 9 | 0 | 1 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 29.4 | 4.9 | |
| 60-64 | 8 | 0 | 1 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 65-69 | 4 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 70- | 6 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 静岡 Shizuoka | | | | | | | | | | | | | | | |
| Total | 220 | 59 | 26 | 42 | 53 | 25 | 11 | 4 | 0 | 0 | 0 | 0 | 34.4 | 5.1 | |
| 0-4 | 22 | 17 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | |
| 5-9 | 22 | 6 | 3 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 10-14 | 22 | 5 | 3 | 5 | 7 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 30.1 | 4.9 | |
| 15-19 | 22 | 1 | 3 | 8 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 32.8 | 5.0 | |
| 20-24 | 22 | 2 | 3 | 3 | 7 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 42.9 | 5.4 | |
| 25-29 | 22 | 0 | 4 | 3 | 7 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 42.6 | 5.4 | |
| 30-34 | 8 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 59.4 | 5.9 | |
| 35-39 | 14 | 1 | 3 | 5 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 29.0 | 4.9 | |
| 40-44 | 5 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 45-49 | 17 | 6 | 5 | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 27.4 | 4.8 | |
| 50-54 | 11 | 3 | 1 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 55-59 | 11 | 4 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 32.8 | 5.0 | |
| 60-64 | 14 | 6 | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 30.8 | 4.9 | |
| 65-69 | 8 | 5 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 愛知 Aichi | | | | | | | | | | | | | | | |
| Total | 198 | 79 | 44 | 47 | 22 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 18.9 | 4.2 | |
| 0-4 | 22 | 19 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 5-9 | 24 | 10 | 7 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17.2 | 4.1 | |
| 10-14 | 20 | 3 | 6 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 15-19 | 20 | 0 | 4 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.3 | 4.3 | |
| 20-24 | 13 | 1 | 3 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.9 | 4.2 | |
| 25-29 | 11 | 3 | 2 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 30-34 | 10 | 1 | 3 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.3 | 4.5 | |
| 35-39 | 12 | 5 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 40-44 | 8 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 45-49 | 14 | 8 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 50-54 | 11 | 5 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | |
| 55-59 | 11 | 4 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.1 | 4.2 | |
| 60-64 | 15 | 11 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 65-69 | 7 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-3 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Phuket/3073/2013 [B(Yamagata lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | | |
|---|-------------|----------------------------|----|----|-----|----|-----|-----|-----|------|-------|---|--------|------------------|-----|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | | |
| 三重 Mie | | | | | | | | | | | | | | | | |
| Total | 315 | 5 | 61 | 91 | 94 | 52 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 29.5 | 4.9 | |
| 0-4 | 42 | 2 | 30 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.1 | 3.6 | |
| 5-9 | 19 | 0 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.3 | 4.5 | |
| 10-14 | 29 | 0 | 2 | 9 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34.7 | 5.1 | |
| 15-19 | 42 | 0 | 0 | 12 | 15 | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 5.4 | |
| 20-24 | 15 | 0 | 2 | 4 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 36.5 | 5.2 | |
| 25-29 | 30 | 0 | 0 | 6 | 14 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 48.1 | 5.6 | |
| 30-34 | 13 | 0 | 0 | 2 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 61.3 | 5.9 | |
| 35-39 | 18 | 0 | 1 | 2 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.9 | 5.5 | |
| 40-44 | 17 | 1 | 6 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.3 | 4.2 | |
| 45-49 | 28 | 2 | 4 | 12 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 27.5 | 4.8 | |
| 50-54 | 20 | 0 | 2 | 6 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | |
| 55-59 | 18 | 0 | 4 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.2 | 4.8 | |
| 60-64 | 15 | 0 | 2 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.6 | 4.8 | |
| 65-69 | 5 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.2 | 3.7 | |
| 70- | 4 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 京都 Kyoto | | | | | | | | | | | | | | | | |
| Total | 207 | 39 | 28 | 33 | 48 | 43 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 38.1 | 5.3 | |
| 0-4 | 7 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 5-9 | 11 | 2 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 10-14 | 16 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | |
| 15-19 | 5 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 | |
| 20-24 | 8 | 0 | 0 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47.6 | 5.6 | |
| 25-29 | 10 | 0 | 1 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.9 | 5.4 | |
| 30-34 | 18 | 1 | 2 | 2 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 45.2 | 5.5 | |
| 35-39 | 15 | 0 | 2 | 2 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 45.9 | 5.5 | |
| 40-44 | 20 | 2 | 4 | 2 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 45-49 | 28 | 10 | 2 | 6 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 35.6 | 5.2 | |
| 50-54 | 41 | 5 | 8 | 6 | 11 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 35.6 | 5.2 | |
| 55-59 | 16 | 4 | 1 | 2 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 42.4 | 5.4 | |
| 60-64 | 9 | 4 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 60.6 | 5.9 | |
| 65-69 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 愛媛 Ehime | | | | | | | | | | | | | | | | |
| Total | 250 | 56 | 31 | 67 | 57 | 28 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 0-4 | 44 | 29 | 5 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | |
| 5-9 | 25 | 7 | 4 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 10-14 | 25 | 2 | 5 | 8 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26.2 | 4.7 | |
| 15-19 | 24 | 2 | 2 | 7 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 34.2 | 5.1 | |
| 20-24 | 22 | 0 | 0 | 6 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 25-29 | 22 | 0 | 3 | 6 | 4 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 38.8 | 5.3 | |
| 30-34 | 11 | 0 | 0 | 4 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.6 | 5.4 | |
| 35-39 | 11 | 0 | 0 | 5 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 33.1 | 5.0 | |
| 40-44 | 8 | 0 | 1 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 45-49 | 14 | 2 | 2 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 50-54 | 15 | 6 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.1 | 4.1 | |
| 55-59 | 7 | 0 | 1 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 60-64 | 19 | 6 | 4 | 3 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 26.1 | 4.7 | |
| 65-69 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 320.0 | 8.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 高知 Kochi | | | | | | | | | | | | | | | | |
| Total | 397 | 22 | 29 | 99 | 108 | 99 | 34 | 6 | 0 | 0 | 0 | 0 | 0 | 42.1 | 5.4 | |
| 0-4 | 15 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 5-9 | 19 | 0 | 0 | 5 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.0 | 5.4 | |
| 10-14 | 26 | 0 | 1 | 13 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.5 | 5.0 | |
| 15-19 | 49 | 1 | 1 | 10 | 14 | 17 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 51.9 | 5.7 | |
| 20-24 | 42 | 1 | 2 | 7 | 18 | 9 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 46.6 | 5.5 | |
| 25-29 | 49 | 0 | 2 | 10 | 7 | 14 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 65.6 | 6.0 | |
| 30-34 | 47 | 1 | 1 | 4 | 16 | 19 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 58.3 | 5.9 | |
| 35-39 | 35 | 0 | 3 | 5 | 14 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 42.4 | 5.4 | |
| 40-44 | 17 | 2 | 3 | 8 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 45-49 | 22 | 2 | 1 | 4 | 10 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 41.4 | 5.4 | |
| 50-54 | 26 | 2 | 2 | 8 | 4 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 41.2 | 5.4 | |
| 55-59 | 18 | 2 | 2 | 4 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | |
| 60-64 | 7 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 65-69 | 8 | 1 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | |
| 70- | 17 | 3 | 3 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 4.3 | |

表2-3 都道府県別インフルエンザHI抗体保有状況
 Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
 B/Phuket/3073/2013 [B(Yamagata lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | |
| 佐賀 Saga | 232 | 61 | 8 | 26 | 50 | 56 | 31 | 0 | 0 | 0 | 0 | 0 | 54.4 | 5.8 |
| Total | 44 | 31 | 3 | 3 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 30.6 | 4.9 |
| 0-4 | 17 | 4 | 2 | 4 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 37.9 | 5.2 |
| 5-9 | 60 | 15 | 1 | 4 | 14 | 18 | 8 | 0 | 0 | 0 | 0 | 0 | 61.6 | 5.9 |
| 10-14 | 22 | 1 | 0 | 2 | 5 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 65.6 | 6.0 |
| 15-19 | 5 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 |
| 20-24 | 15 | 0 | 0 | 1 | 2 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 96.2 | 6.6 |
| 25-29 | 19 | 0 | 0 | 2 | 5 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 66.7 | 6.1 |
| 30-34 | 6 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 44.9 | 5.5 |
| 35-39 | 4 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 |
| 40-44 | 6 | 2 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 |
| 45-49 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 113.1 | 6.8 |
| 50-54 | 4 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 |
| 55-59 | 17 | 3 | 1 | 0 | 8 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 51.2 | 5.7 |
| 60-64 | 7 | 1 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 44.9 | 5.5 |
| 65-69 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 |
| 70- | | | | | | | | | | | | | | |

表2-4 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Maryland/15/2016 [B(Victoria lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|-----|----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 北海道 Hokkaido | | | | | | | | | | | | | | | |
| Total | 201 | 5 | 52 | 102 | 36 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 19.8 | 4.3 | |
| 0-4 | 30 | 2 | 15 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 3.8 | |
| 5-9 | 12 | 0 | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 10-14 | 15 | 0 | 3 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.2 | 4.2 | |
| 15-19 | 8 | 1 | 1 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 20-24 | 8 | 0 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 25-29 | 11 | 0 | 2 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.3 | 4.4 | |
| 30-34 | 15 | 0 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.5 | 3.9 | |
| 35-39 | 18 | 2 | 6 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.3 | 4.2 | |
| 40-44 | 5 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | |
| 45-49 | 27 | 0 | 3 | 14 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 50-54 | 13 | 0 | 2 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | |
| 55-59 | 19 | 0 | 1 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.8 | 4.7 | |
| 60-64 | 4 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 65-69 | 16 | 0 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.6 | 4.1 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 山形 Yamagata | | | | | | | | | | | | | | | |
| Total | 213 | 148 | 35 | 19 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15.8 | 4.0 | |
| 0-4 | 38 | 37 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 5-9 | 29 | 26 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 10-14 | 15 | 9 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 3.5 | |
| 15-19 | 4 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 20-24 | 7 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 25-29 | 13 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 30-34 | 23 | 16 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.2 | 3.6 | |
| 35-39 | 16 | 7 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 40-44 | 20 | 6 | 5 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 45-49 | 22 | 12 | 5 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.7 | 4.2 | |
| 50-54 | 15 | 12 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 55-59 | 10 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 60-64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 65-69 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 福島 Fukushima | | | | | | | | | | | | | | | |
| Total | 209 | 115 | 48 | 18 | 20 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 18.9 | 4.2 | |
| 0-4 | 31 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 5-9 | 12 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 10-14 | 15 | 10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.5 | 3.5 | |
| 15-19 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 20-24 | 16 | 8 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 25-29 | 28 | 20 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 30-34 | 15 | 5 | 7 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 35-39 | 9 | 3 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | |
| 40-44 | 7 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 45-49 | 18 | 4 | 6 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 25.6 | 4.7 | |
| 50-54 | 19 | 2 | 7 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.8 | 4.4 | |
| 55-59 | 13 | 5 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 60-64 | 5 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 65-69 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 18 | 11 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | |
| 茨城 Ibaraki | | | | | | | | | | | | | | | |
| Total | 198 | 84 | 57 | 29 | 25 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 17.2 | 4.1 | |
| 0-4 | 42 | 26 | 10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 5-9 | 17 | 10 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 10-14 | 19 | 5 | 10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | |
| 15-19 | 13 | 2 | 5 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.8 | 4.2 | |
| 20-24 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 25-29 | 18 | 10 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 30-34 | 17 | 4 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.1 | 3.7 | |
| 35-39 | 16 | 6 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 40-44 | 14 | 1 | 5 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.1 | 4.4 | |
| 45-49 | 11 | 2 | 1 | 4 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 29.4 | 4.9 | |
| 50-54 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 55-59 | 8 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 60-64 | 6 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 65-69 | 6 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-4 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Maryland/15/2016 [B(Victoria lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|-----|-----|-----|-----|-----|-----|------|-------|---|------------------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 栃木 Tochigi | | | | | | | | | | | | | | | |
| Total | 201 | 37 | 52 | 43 | 44 | 18 | 7 | 0 | 0 | 0 | 0 | 0 | 24.6 | 4.6 | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 5-9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 20-24 | 15 | 4 | 3 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 27.4 | 4.8 | |
| 25-29 | 46 | 9 | 16 | 6 | 11 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 21.6 | 4.4 | |
| 30-34 | 39 | 9 | 12 | 9 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 19.5 | 4.3 | |
| 35-39 | 36 | 6 | 8 | 12 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | |
| 40-44 | 18 | 0 | 4 | 4 | 1 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 45-49 | 16 | 2 | 4 | 6 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 50-54 | 15 | 3 | 0 | 2 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 44.9 | 5.5 | |
| 55-59 | 6 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | |
| 60-64 | 5 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 65-69 | 4 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 70- | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 群馬 Gunma | | | | | | | | | | | | | | | |
| Total | 437 | 30 | 59 | 145 | 117 | 69 | 15 | 2 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | |
| 0-4 | 52 | 9 | 8 | 23 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22.0 | 4.5 | |
| 5-9 | 38 | 12 | 9 | 8 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21.1 | 4.4 | |
| 10-14 | 52 | 2 | 16 | 19 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 20.8 | 4.4 | |
| 15-19 | 32 | 3 | 4 | 7 | 8 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 37.2 | 5.2 | |
| 20-24 | 22 | 0 | 0 | 2 | 8 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 62.2 | 6.0 | |
| 25-29 | 42 | 0 | 1 | 6 | 16 | 15 | 3 | 1 | 0 | 0 | 0 | 0 | 52.1 | 5.7 | |
| 30-34 | 49 | 0 | 2 | 18 | 15 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 37.8 | 5.2 | |
| 35-39 | 30 | 0 | 3 | 10 | 9 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | |
| 40-44 | 20 | 0 | 0 | 12 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 45-49 | 28 | 0 | 6 | 11 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 26.3 | 4.7 | |
| 50-54 | 23 | 0 | 1 | 8 | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 38.8 | 5.3 | |
| 55-59 | 28 | 1 | 3 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 60-64 | 16 | 3 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.2 | 4.0 | |
| 65-69 | 4 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 70- | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 千葉 Chiba | | | | | | | | | | | | | | | |
| Total | 286 | 25 | 59 | 59 | 70 | 49 | 21 | 2 | 1 | 0 | 0 | 0 | 32.7 | 5.0 | |
| 0-4 | 11 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | |
| 5-9 | 13 | 6 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.9 | 3.9 | |
| 10-14 | 21 | 2 | 6 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 4.6 | |
| 15-19 | 14 | 1 | 4 | 3 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 24.8 | 4.6 | |
| 20-24 | 18 | 2 | 5 | 0 | 4 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 43.6 | 5.4 | |
| 25-29 | 25 | 2 | 7 | 1 | 7 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 33.4 | 5.1 | |
| 30-34 | 21 | 1 | 3 | 7 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 35-39 | 22 | 2 | 2 | 4 | 9 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 40-44 | 25 | 0 | 6 | 1 | 9 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 42.3 | 5.4 | |
| 45-49 | 36 | 0 | 5 | 7 | 7 | 11 | 5 | 0 | 1 | 0 | 0 | 0 | 46.7 | 5.5 | |
| 50-54 | 26 | 0 | 5 | 9 | 5 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 29.8 | 4.9 | |
| 55-59 | 29 | 1 | 2 | 8 | 8 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 39.0 | 5.3 | |
| 60-64 | 18 | 0 | 4 | 9 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 23.3 | 4.5 | |
| 65-69 | 7 | 0 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.9 | 3.9 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 東京 Tokyo | | | | | | | | | | | | | | | |
| Total | 377 | 0 | 0 | 1 | 33 | 143 | 174 | 25 | 0 | 1 | 0 | 0 | 114.1 | 6.8 | |
| 0-4 | 67 | 0 | 0 | 1 | 20 | 33 | 12 | 1 | 0 | 0 | 0 | 0 | 73.6 | 6.2 | |
| 5-9 | 35 | 0 | 0 | 0 | 3 | 15 | 13 | 4 | 0 | 0 | 0 | 0 | 114.3 | 6.8 | |
| 10-14 | 45 | 0 | 0 | 0 | 1 | 16 | 24 | 4 | 0 | 0 | 0 | 0 | 129.0 | 7.0 | |
| 15-19 | 37 | 0 | 0 | 0 | 2 | 12 | 19 | 4 | 0 | 0 | 0 | 0 | 127.8 | 7.0 | |
| 20-24 | 42 | 0 | 0 | 0 | 2 | 17 | 19 | 4 | 0 | 0 | 0 | 0 | 120.9 | 6.9 | |
| 25-29 | 40 | 0 | 0 | 0 | 1 | 19 | 19 | 1 | 0 | 0 | 0 | 0 | 113.1 | 6.8 | |
| 30-34 | 17 | 0 | 0 | 0 | 0 | 3 | 12 | 2 | 0 | 0 | 0 | 0 | 153.6 | 7.3 | |
| 35-39 | 16 | 0 | 0 | 0 | 1 | 3 | 11 | 1 | 0 | 0 | 0 | 0 | 134.5 | 7.1 | |
| 40-44 | 17 | 0 | 0 | 0 | 1 | 8 | 7 | 1 | 0 | 0 | 0 | 0 | 110.9 | 6.8 | |
| 45-49 | 14 | 0 | 0 | 0 | 0 | 3 | 7 | 3 | 0 | 1 | 0 | 0 | 185.6 | 7.5 | |
| 50-54 | 22 | 0 | 0 | 0 | 1 | 5 | 16 | 0 | 0 | 0 | 0 | 0 | 128.3 | 7.0 | |
| 55-59 | 20 | 0 | 0 | 0 | 1 | 8 | 11 | 0 | 0 | 0 | 0 | 0 | 113.1 | 6.8 | |
| 60-64 | 5 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 139.3 | 7.1 | |
| 65-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表2-4 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Maryland/15/2016 [B(Victoria lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|------|------------------|------------------|--|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | | |
| 神奈川県 Kanagawa | | | | | | | | | | | | | | | | |
| Total | 321 | 198 | 62 | 31 | 17 | 11 | 1 | 1 | 0 | 0 | 0 | 0 | 18.3 | 4.2 | | |
| 0-4 | 41 | 38 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | | |
| 5-9 | 20 | 18 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 10-14 | 26 | 17 | 2 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23.3 | 4.5 | | |
| 15-19 | 28 | 20 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | | |
| 20-24 | 29 | 20 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.7 | 3.5 | | |
| 25-29 | 29 | 23 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 3.5 | | |
| 30-34 | 28 | 18 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.5 | 3.5 | | |
| 35-39 | 30 | 10 | 10 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 4.2 | | |
| 40-44 | 10 | 3 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | | |
| 45-49 | 20 | 1 | 6 | 5 | 2 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 28.8 | 4.8 | | |
| 50-54 | 15 | 6 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | |
| 55-59 | 15 | 8 | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 26.9 | 4.8 | | |
| 60-64 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | | |
| 65-69 | 7 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 70- | 20 | 11 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.1 | 4.1 | | |
| 新潟県 Niigata | | | | | | | | | | | | | | | | |
| Total | 397 | 79 | 42 | 58 | 89 | 74 | 43 | 9 | 2 | 1 | 0 | 45.4 | 5.5 | | | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | | |
| 5-9 | 58 | 18 | 7 | 5 | 18 | 8 | 1 | 1 | 0 | 0 | 0 | 36.1 | 5.2 | | | |
| 10-14 | 79 | 20 | 6 | 13 | 16 | 18 | 4 | 2 | 0 | 0 | 0 | 43.4 | 5.4 | | | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | | |
| 20-24 | 6 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 69.6 | 6.1 | | | |
| 25-29 | 30 | 9 | 8 | 2 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 29.7 | 4.9 | | | |
| 30-34 | 54 | 12 | 11 | 12 | 11 | 4 | 2 | 2 | 0 | 0 | 0 | 28.8 | 4.8 | | | |
| 35-39 | 42 | 6 | 5 | 3 | 9 | 12 | 7 | 0 | 0 | 0 | 0 | 51.4 | 5.7 | | | |
| 40-44 | 24 | 1 | 1 | 4 | 3 | 2 | 11 | 2 | 0 | 0 | 0 | 82.4 | 6.4 | | | |
| 45-49 | 35 | 2 | 1 | 2 | 12 | 8 | 8 | 2 | 0 | 0 | 0 | 69.1 | 6.1 | | | |
| 50-54 | 33 | 1 | 0 | 9 | 9 | 8 | 4 | 0 | 1 | 1 | 0 | 56.6 | 5.8 | | | |
| 55-59 | 27 | 6 | 1 | 4 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | 53.8 | 5.8 | | | |
| 60-64 | 5 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | | |
| 65-69 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | | |
| 70- | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | | |
| 富山県 Toyama | | | | | | | | | | | | | | | | |
| Total | 242 | 81 | 63 | 49 | 32 | 16 | 1 | 0 | 0 | 0 | 0 | 20.3 | 4.3 | | | |
| 0-4 | 39 | 36 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | | |
| 5-9 | 25 | 12 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.1 | 3.5 | | | |
| 10-14 | 22 | 4 | 8 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 20.8 | 4.4 | | | |
| 15-19 | 16 | 3 | 6 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 18.0 | 4.2 | | | |
| 20-24 | 25 | 5 | 7 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 21.4 | 4.4 | | | |
| 25-29 | 28 | 6 | 10 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 17.1 | 4.1 | | | |
| 30-34 | 16 | 4 | 6 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | | | |
| 35-39 | 7 | 0 | 1 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 24.4 | 4.6 | | | |
| 40-44 | 8 | 1 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 26.9 | 4.8 | | | |
| 45-49 | 17 | 0 | 2 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 34.0 | 5.1 | | | |
| 50-54 | 10 | 2 | 2 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | | | |
| 55-59 | 11 | 2 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21.6 | 4.4 | | | |
| 60-64 | 5 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | | |
| 65-69 | 7 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | | |
| 70- | 6 | 1 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | | | |
| 福井県 Fukui | | | | | | | | | | | | | | | | |
| Total | 199 | 60 | 48 | 35 | 32 | 20 | 3 | 1 | 0 | 0 | 0 | 24.1 | 4.6 | | | |
| 0-4 | 12 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | | |
| 5-9 | 12 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | | |
| 10-14 | 17 | 5 | 5 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 21.2 | 4.4 | | | |
| 15-19 | 22 | 5 | 2 | 6 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 27.7 | 4.8 | | | |
| 20-24 | 23 | 7 | 5 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 24.8 | 4.6 | | | |
| 25-29 | 7 | 4 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | | | |
| 30-34 | 13 | 1 | 6 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | | | |
| 35-39 | 10 | 2 | 1 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 33.6 | 5.1 | | | |
| 40-44 | 14 | 1 | 2 | 3 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 32.3 | 5.0 | | | |
| 45-49 | 15 | 0 | 4 | 2 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | | | |
| 50-54 | 16 | 3 | 2 | 5 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 37.9 | 5.2 | | | |
| 55-59 | 7 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | | | |
| 60-64 | 20 | 7 | 7 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 16.2 | 4.0 | | | |
| 65-69 | 6 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | | | |
| 70- | 5 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | | |

表2-4 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Maryland/15/2016 [B(Victoria lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|-------|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 山梨 Yamanashi | | | | | | | | | | | | | | | |
| Total | 142 | 13 | 29 | 19 | 29 | 27 | 14 | 7 | 3 | 1 | 0 | 43.6 | 5.4 | | |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |
| 5-9 | 18 | 7 | 7 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 16.6 | 4.0 | | |
| 10-14 | 13 | 0 | 5 | 2 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 32.3 | 5.0 | | |
| 15-19 | 17 | 0 | 2 | 2 | 4 | 6 | 1 | 1 | 0 | 1 | 0 | 60.1 | 5.9 | | |
| 20-24 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 25-29 | 9 | 2 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 48.8 | 5.6 | | |
| 30-34 | 4 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 35-39 | 11 | 0 | 1 | 2 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 48.3 | 5.6 | | |
| 40-44 | 12 | 0 | 1 | 1 | 1 | 4 | 3 | 2 | 0 | 0 | 0 | 84.8 | 6.4 | | |
| 45-49 | 10 | 0 | 2 | 0 | 1 | 1 | 2 | 1 | 3 | 0 | 0 | 121.3 | 6.9 | | |
| 50-54 | 7 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 65.6 | 6.0 | | |
| 55-59 | 15 | 2 | 4 | 2 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 60-64 | 7 | 0 | 0 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 53.8 | 5.8 | | |
| 65-69 | 4 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 70- | 11 | 1 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 長野 Nagano | | | | | | | | | | | | | | | |
| Total | 204 | 69 | 26 | 58 | 29 | 19 | 2 | 1 | 0 | 0 | 0 | 26.0 | 4.7 | | |
| 0-4 | 14 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | |
| 5-9 | 16 | 13 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | |
| 10-14 | 18 | 5 | 2 | 5 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | | |
| 15-19 | 13 | 3 | 3 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 24.6 | 4.6 | | |
| 20-24 | 16 | 4 | 1 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | | |
| 25-29 | 18 | 6 | 4 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | | |
| 30-34 | 19 | 7 | 4 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 35-39 | 16 | 3 | 1 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 27.5 | 4.8 | | |
| 40-44 | 11 | 1 | 1 | 3 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 45.9 | 5.5 | | |
| 45-49 | 17 | 0 | 2 | 6 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 38.4 | 5.3 | | |
| 50-54 | 19 | 3 | 2 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | | |
| 55-59 | 9 | 3 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | | |
| 60-64 | 8 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | | |
| 65-69 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 70- | 6 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | | |
| 静岡 Shizuoka | | | | | | | | | | | | | | | |
| Total | 220 | 102 | 26 | 32 | 34 | 19 | 7 | 0 | 0 | 0 | 0 | 29.6 | 4.9 | | |
| 0-4 | 22 | 17 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 5-9 | 22 | 15 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | | |
| 10-14 | 22 | 11 | 3 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 27.4 | 4.8 | | |
| 15-19 | 22 | 12 | 3 | 3 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | | |
| 20-24 | 22 | 5 | 2 | 7 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 30.1 | 4.9 | | |
| 25-29 | 22 | 12 | 1 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | | |
| 30-34 | 8 | 3 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 45.9 | 5.5 | | |
| 35-39 | 14 | 1 | 3 | 2 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | | |
| 40-44 | 5 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | | |
| 45-49 | 17 | 3 | 3 | 3 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 42.0 | 5.4 | | |
| 50-54 | 11 | 4 | 1 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 36.2 | 5.2 | | |
| 55-59 | 11 | 4 | 2 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 26.9 | 4.8 | | |
| 60-64 | 14 | 8 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | | |
| 65-69 | 8 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |
| 愛知 Aichi | | | | | | | | | | | | | | | |
| Total | 198 | 128 | 44 | 17 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 14.7 | 3.9 | | |
| 0-4 | 22 | 20 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 5-9 | 24 | 22 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 10-14 | 20 | 10 | 6 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 16.2 | 4.0 | | |
| 15-19 | 20 | 9 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 13.7 | 3.8 | | |
| 20-24 | 13 | 6 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 13.5 | 3.8 | | |
| 25-29 | 11 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | | |
| 30-34 | 10 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.6 | 3.7 | | |
| 35-39 | 12 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 3.5 | | |
| 40-44 | 8 | 2 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 45-49 | 14 | 7 | 1 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 26.9 | 4.8 | | |
| 50-54 | 11 | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 55-59 | 11 | 5 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 60-64 | 15 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | |
| 65-69 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |

表2-4 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Maryland/15/2016 [B(Victoria lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|------------------|------------------|-----|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | | |
| 三重 Mie | | | | | | | | | | | | | | | | |
| Total | 315 | 110 | 78 | 70 | 39 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 0-4 | 42 | 38 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 5-9 | 19 | 10 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.8 | 3.4 | |
| 10-14 | 29 | 9 | 12 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.7 | 3.8 | |
| 15-19 | 42 | 6 | 9 | 13 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 20-24 | 15 | 3 | 4 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | |
| 25-29 | 30 | 16 | 4 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.1 | 4.2 | |
| 30-34 | 13 | 4 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 35-39 | 18 | 2 | 5 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 40-44 | 17 | 3 | 5 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.0 | 4.4 | |
| 45-49 | 28 | 5 | 4 | 7 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 34.4 | 5.1 | |
| 50-54 | 20 | 1 | 3 | 11 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.1 | 4.5 | |
| 55-59 | 18 | 2 | 6 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.3 | 4.2 | |
| 60-64 | 15 | 5 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 65-69 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 京都 Kyoto | | | | | | | | | | | | | | | | |
| Total | 207 | 49 | 36 | 30 | 47 | 25 | 12 | 7 | 1 | 0 | 0 | 0 | 35.4 | 5.1 | | |
| 0-4 | 7 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 5-9 | 11 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | | |
| 10-14 | 16 | 6 | 5 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 15-19 | 5 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 20-24 | 8 | 0 | 2 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 25-29 | 10 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 | |
| 30-34 | 18 | 4 | 3 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.7 | 4.9 | |
| 35-39 | 15 | 2 | 2 | 2 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34.1 | 5.1 | |
| 40-44 | 20 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 62.6 | 6.0 | |
| 45-49 | 28 | 5 | 5 | 3 | 5 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 43.8 | 5.5 | |
| 50-54 | 41 | 2 | 5 | 11 | 15 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 36.0 | 5.2 | |
| 55-59 | 16 | 1 | 5 | 1 | 2 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 60-64 | 9 | 4 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 65-69 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 愛媛 Ehime | | | | | | | | | | | | | | | | |
| Total | 250 | 74 | 65 | 51 | 41 | 15 | 3 | 0 | 1 | 0 | 0 | 0 | 21.6 | 4.4 | | |
| 0-4 | 44 | 35 | 4 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.5 | 4.2 | | |
| 5-9 | 25 | 7 | 7 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.5 | 4.2 | | |
| 10-14 | 25 | 2 | 10 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 15-19 | 24 | 6 | 7 | 3 | 5 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 27.2 | 4.8 | |
| 20-24 | 22 | 6 | 5 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.8 | 4.6 | |
| 25-29 | 22 | 7 | 5 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.1 | 4.3 | |
| 30-34 | 11 | 1 | 4 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.7 | 4.2 | |
| 35-39 | 11 | 0 | 1 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.7 | 4.5 | |
| 40-44 | 8 | 0 | 3 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 45-49 | 14 | 1 | 2 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34.1 | 5.1 | |
| 50-54 | 15 | 1 | 8 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.6 | 4.0 | |
| 55-59 | 7 | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 36.2 | 5.2 | |
| 60-64 | 19 | 6 | 8 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.5 | 3.9 | |
| 65-69 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | |
| 70- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 高知 Kochi | | | | | | | | | | | | | | | | |
| Total | 397 | 95 | 92 | 90 | 84 | 28 | 6 | 2 | 0 | 0 | 0 | 0 | 23.7 | 4.6 | | |
| 0-4 | 15 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | | |
| 5-9 | 19 | 1 | 3 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.3 | 4.5 | |
| 10-14 | 26 | 2 | 7 | 9 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.2 | 4.4 | |
| 15-19 | 49 | 7 | 8 | 9 | 12 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 33.4 | 5.1 | |
| 20-24 | 42 | 11 | 13 | 9 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.7 | 4.2 | |
| 25-29 | 49 | 16 | 10 | 13 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.3 | 4.4 | |
| 30-34 | 47 | 18 | 14 | 7 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.7 | 4.1 | |
| 35-39 | 35 | 6 | 8 | 10 | 9 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23.6 | 4.6 | |
| 40-44 | 17 | 5 | 3 | 5 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 45-49 | 22 | 1 | 1 | 3 | 9 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 48.8 | 5.6 | |
| 50-54 | 26 | 4 | 4 | 6 | 10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 29.2 | 4.9 | |
| 55-59 | 18 | 2 | 5 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 60-64 | 7 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.2 | 3.7 | |
| 65-69 | 8 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 70- | 17 | 6 | 4 | 3 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 25.7 | 4.7 | |

表2-4 都道府県別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by prefecture
B/Maryland/15/2016 [B(Victoria lineage)]

| 都道府県／年齢群(歳) Prefecture/ Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) | |
|---|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 佐賀 Saga | | | | | | | | | | | | | | | |
| Total | 232 | 51 | 44 | 49 | 58 | 20 | 8 | 2 | 0 | 0 | 0 | 0 | 27.8 | 4.8 | |
| 0-4 | 44 | 12 | 14 | 10 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 19.2 | 4.3 | |
| 5-9 | 17 | 2 | 7 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | |
| 10-14 | 60 | 23 | 10 | 8 | 11 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 28.0 | 4.8 | |
| 15-19 | 22 | 1 | 0 | 8 | 8 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 41.3 | 5.4 | |
| 20-24 | 5 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 25-29 | 15 | 3 | 1 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 30-34 | 19 | 0 | 7 | 4 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22.3 | 4.5 | |
| 35-39 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 40-44 | 4 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 67.3 | 6.1 | |
| 45-49 | 6 | 0 | 0 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 50.4 | 5.7 | |
| 50-54 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 55-59 | 4 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 60-64 | 17 | 5 | 0 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.0 | 4.9 | |
| 65-69 | 7 | 1 | 0 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 44.9 | 5.5 | |
| 70- | 4 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 47.6 | 5.6 | |

表3-1 年齢別インフルエンザHI抗体保有状況
Age distribution of influenza hemagglutination inhibition (HI) antibody titer
A/Brisbane/02/2018 [A(H1N1)pdm09]

| 年齢(歳) Age (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) |
|----------------------|-------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|------------------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | | |
| Total | 5446 | 1620 | 817 | 876 | 896 | 678 | 403 | 115 | 37 | 4 | 0 | 36.4 | 5.2 | |
| 0 | 92 | 67 | 18 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 16.0 | 4.0 | |
| 1 | 180 | 126 | 21 | 2 | 6 | 10 | 12 | 2 | 1 | 0 | 0 | 40.0 | 5.3 | |
| 2 | 123 | 70 | 18 | 7 | 10 | 11 | 5 | 2 | 0 | 0 | 0 | 32.4 | 5.0 | |
| 3 | 111 | 47 | 25 | 10 | 13 | 7 | 7 | 1 | 1 | 0 | 0 | 28.3 | 4.8 | |
| 4 | 67 | 23 | 9 | 10 | 6 | 8 | 6 | 4 | 1 | 0 | 0 | 45.4 | 5.5 | |
| 5 | 70 | 21 | 10 | 14 | 10 | 8 | 5 | 2 | 0 | 0 | 0 | 34.7 | 5.1 | |
| 6 | 88 | 18 | 9 | 10 | 17 | 16 | 12 | 6 | 0 | 0 | 0 | 53.8 | 5.8 | |
| 7 | 62 | 14 | 8 | 9 | 13 | 8 | 7 | 2 | 1 | 0 | 0 | 44.3 | 5.5 | |
| 8 | 90 | 7 | 13 | 16 | 25 | 21 | 7 | 0 | 1 | 0 | 0 | 39.0 | 5.3 | |
| 9 | 132 | 15 | 11 | 14 | 28 | 26 | 25 | 9 | 3 | 1 | 0 | 65.8 | 6.0 | |
| 10 | 102 | 8 | 7 | 12 | 26 | 19 | 16 | 9 | 4 | 1 | 0 | 68.5 | 6.1 | |
| 11 | 84 | 18 | 12 | 13 | 15 | 15 | 9 | 2 | 0 | 0 | 0 | 40.8 | 5.4 | |
| 12 | 163 | 17 | 17 | 27 | 29 | 36 | 21 | 11 | 4 | 1 | 0 | 56.0 | 5.8 | |
| 13 | 139 | 13 | 23 | 21 | 24 | 35 | 16 | 5 | 2 | 0 | 0 | 45.4 | 5.5 | |
| 14 | 67 | 5 | 13 | 18 | 14 | 11 | 4 | 2 | 0 | 0 | 0 | 32.3 | 5.0 | |
| 15 | 84 | 5 | 13 | 15 | 13 | 25 | 11 | 1 | 1 | 0 | 0 | 44.8 | 5.5 | |
| 16 | 54 | 7 | 4 | 9 | 15 | 12 | 7 | 0 | 0 | 0 | 0 | 45.7 | 5.5 | |
| 17 | 49 | 7 | 4 | 8 | 5 | 13 | 9 | 2 | 1 | 0 | 0 | 60.4 | 5.9 | |
| 18 | 120 | 16 | 23 | 29 | 29 | 14 | 5 | 1 | 3 | 0 | 0 | 31.5 | 5.0 | |
| 19 | 83 | 4 | 4 | 19 | 25 | 12 | 13 | 3 | 3 | 0 | 0 | 53.0 | 5.7 | |
| 20 | 71 | 7 | 11 | 10 | 24 | 14 | 3 | 2 | 0 | 0 | 0 | 37.5 | 5.2 | |
| 21 | 42 | 5 | 3 | 7 | 14 | 5 | 8 | 0 | 0 | 0 | 0 | 46.5 | 5.5 | |
| 22 | 72 | 11 | 6 | 9 | 21 | 16 | 6 | 2 | 1 | 0 | 0 | 48.5 | 5.6 | |
| 23 | 81 | 6 | 12 | 23 | 15 | 15 | 8 | 2 | 0 | 0 | 0 | 36.5 | 5.2 | |
| 24 | 100 | 7 | 6 | 33 | 29 | 17 | 5 | 2 | 1 | 0 | 0 | 37.7 | 5.2 | |
| 25 | 93 | 14 | 10 | 18 | 23 | 14 | 11 | 2 | 1 | 0 | 0 | 42.9 | 5.4 | |
| 26 | 94 | 17 | 16 | 24 | 14 | 13 | 8 | 2 | 0 | 0 | 0 | 33.1 | 5.0 | |
| 27 | 101 | 15 | 17 | 20 | 17 | 20 | 7 | 5 | 0 | 0 | 0 | 38.4 | 5.3 | |
| 28 | 101 | 20 | 17 | 21 | 23 | 9 | 8 | 3 | 0 | 0 | 0 | 33.4 | 5.1 | |
| 29 | 114 | 23 | 14 | 22 | 24 | 11 | 17 | 3 | 0 | 0 | 0 | 41.2 | 5.4 | |
| 30 | 114 | 22 | 13 | 23 | 21 | 21 | 10 | 3 | 1 | 0 | 0 | 41.5 | 5.4 | |
| 31 | 96 | 16 | 18 | 17 | 24 | 15 | 5 | 1 | 0 | 0 | 0 | 32.2 | 5.0 | |
| 32 | 79 | 17 | 14 | 11 | 20 | 14 | 2 | 0 | 1 | 0 | 0 | 33.1 | 5.0 | |
| 33 | 83 | 17 | 11 | 17 | 14 | 12 | 9 | 2 | 1 | 0 | 0 | 40.4 | 5.3 | |
| 34 | 84 | 21 | 13 | 17 | 18 | 8 | 6 | 1 | 0 | 0 | 0 | 32.1 | 5.0 | |
| 35 | 79 | 21 | 11 | 18 | 10 | 9 | 8 | 0 | 1 | 1 | 0 | 37.2 | 5.2 | |
| 36 | 83 | 23 | 15 | 13 | 14 | 10 | 7 | 1 | 0 | 0 | 0 | 33.2 | 5.1 | |
| 37 | 76 | 21 | 6 | 14 | 18 | 9 | 3 | 4 | 1 | 0 | 0 | 42.6 | 5.4 | |
| 38 | 68 | 23 | 9 | 17 | 13 | 2 | 3 | 1 | 0 | 0 | 0 | 27.6 | 4.8 | |
| 39 | 84 | 26 | 9 | 24 | 12 | 6 | 4 | 3 | 0 | 0 | 0 | 31.9 | 5.0 | |
| 40 | 40 | 16 | 7 | 5 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 29.1 | 4.9 | |
| 41 | 59 | 26 | 10 | 7 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 29.8 | 4.9 | |
| 42 | 67 | 28 | 9 | 12 | 11 | 4 | 3 | 0 | 0 | 0 | 0 | 28.0 | 4.8 | |
| 43 | 59 | 18 | 17 | 10 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 20.7 | 4.4 | |
| 44 | 59 | 21 | 10 | 10 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 25.8 | 4.7 | |
| 45 | 86 | 37 | 18 | 11 | 11 | 6 | 3 | 0 | 0 | 0 | 0 | 24.4 | 4.6 | |
| 46 | 86 | 42 | 12 | 13 | 12 | 4 | 3 | 0 | 0 | 0 | 0 | 26.1 | 4.7 | |
| 47 | 78 | 33 | 13 | 14 | 8 | 4 | 4 | 1 | 1 | 0 | 0 | 28.9 | 4.9 | |
| 48 | 78 | 33 | 17 | 13 | 7 | 7 | 1 | 0 | 0 | 0 | 0 | 22.3 | 4.5 | |
| 49 | 87 | 40 | 20 | 15 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 50 | 72 | 35 | 16 | 8 | 8 | 1 | 2 | 2 | 0 | 0 | 0 | 23.2 | 4.5 | |
| 51 | 82 | 38 | 16 | 9 | 12 | 5 | 2 | 0 | 0 | 0 | 0 | 24.2 | 4.6 | |
| 52 | 77 | 34 | 19 | 8 | 6 | 3 | 4 | 1 | 2 | 0 | 0 | 27.2 | 4.8 | |
| 53 | 52 | 26 | 8 | 6 | 3 | 6 | 3 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | |
| 54 | 79 | 36 | 13 | 6 | 10 | 9 | 5 | 0 | 0 | 0 | 0 | 32.4 | 5.0 | |
| 55 | 76 | 21 | 18 | 11 | 11 | 11 | 4 | 0 | 0 | 0 | 0 | 28.1 | 4.8 | |
| 56 | 58 | 29 | 6 | 6 | 9 | 5 | 3 | 0 | 0 | 0 | 0 | 33.8 | 5.1 | |
| 57 | 63 | 26 | 10 | 12 | 10 | 4 | 1 | 0 | 0 | 0 | 0 | 24.6 | 4.6 | |
| 58 | 55 | 21 | 7 | 10 | 5 | 5 | 6 | 1 | 0 | 0 | 0 | 36.9 | 5.2 | |
| 59 | 50 | 20 | 7 | 6 | 6 | 6 | 4 | 1 | 0 | 0 | 0 | 37.3 | 5.2 | |
| 60 | 44 | 16 | 6 | 10 | 7 | 2 | 2 | 1 | 0 | 0 | 0 | 29.0 | 4.9 | |
| 61 | 30 | 11 | 4 | 8 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 28.8 | 4.8 | |
| 62 | 50 | 17 | 8 | 13 | 8 | 2 | 1 | 1 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 63 | 37 | 17 | 6 | 8 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 23.8 | 4.6 | |
| 64 | 42 | 23 | 8 | 3 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 26.8 | 4.7 | |
| 65 | 32 | 15 | 9 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 18.4 | 4.2 | |
| 66 | 26 | 14 | 4 | 2 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 67 | 20 | 9 | 5 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 18.8 | 4.2 | |
| 68 | 14 | 8 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 69 | 18 | 10 | 5 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 25.9 | 4.7 | |
| 70- | 95 | 60 | 12 | 10 | 5 | 4 | 3 | 1 | 0 | 0 | 0 | 26.4 | 4.7 | |

表3-2 年齢別インフルエンザHI抗体保有状況
Age distribution of influenza hemagglutination inhibition (HI) antibody titer
A/Kansas/14/2017 [A(H3N2)]

| 年齢(歳) Age (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) |
|----------------------|-------------|----------------------------|------|------|------|-----|-----|-----|-----|------|-------|--------|------------------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | | |
| Total | 5446 | 1188 | 1088 | 1384 | 1031 | 510 | 214 | 29 | 2 | 0 | 0 | 0 | 26.5 | 4.7 |
| 0 | 92 | 36 | 25 | 22 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 17.2 | 4.1 |
| 1 | 180 | 76 | 28 | 34 | 16 | 23 | 3 | 0 | 0 | 0 | 0 | 0 | 26.6 | 4.7 |
| 2 | 123 | 36 | 16 | 32 | 23 | 15 | 0 | 1 | 0 | 0 | 0 | 0 | 27.7 | 4.8 |
| 3 | 111 | 38 | 20 | 21 | 13 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 28.4 | 4.8 |
| 4 | 67 | 15 | 17 | 13 | 9 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 26.5 | 4.7 |
| 5 | 70 | 17 | 13 | 9 | 14 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 35.1 | 5.1 |
| 6 | 88 | 14 | 15 | 17 | 20 | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 33.8 | 5.1 |
| 7 | 62 | 10 | 8 | 21 | 9 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 32.8 | 5.0 |
| 8 | 90 | 17 | 18 | 22 | 22 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 26.1 | 4.7 |
| 9 | 132 | 21 | 23 | 38 | 34 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 26.7 | 4.7 |
| 10 | 102 | 18 | 15 | 20 | 22 | 17 | 9 | 1 | 0 | 0 | 0 | 0 | 36.2 | 5.2 |
| 11 | 84 | 18 | 14 | 13 | 15 | 14 | 7 | 2 | 1 | 0 | 0 | 0 | 38.8 | 5.3 |
| 12 | 163 | 21 | 28 | 49 | 47 | 13 | 5 | 0 | 0 | 0 | 0 | 0 | 26.8 | 4.7 |
| 13 | 139 | 15 | 19 | 34 | 43 | 17 | 9 | 2 | 0 | 0 | 0 | 0 | 33.6 | 5.1 |
| 14 | 67 | 11 | 12 | 9 | 23 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 32.8 | 5.0 |
| 15 | 84 | 8 | 13 | 11 | 17 | 24 | 7 | 4 | 0 | 0 | 0 | 0 | 45.0 | 5.5 |
| 16 | 54 | 12 | 3 | 10 | 13 | 10 | 5 | 1 | 0 | 0 | 0 | 0 | 44.9 | 5.5 |
| 17 | 49 | 10 | 7 | 9 | 12 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 37.3 | 5.2 |
| 18 | 120 | 11 | 13 | 35 | 44 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 30.6 | 4.9 |
| 19 | 83 | 8 | 11 | 21 | 27 | 11 | 4 | 1 | 0 | 0 | 0 | 0 | 32.9 | 5.0 |
| 20 | 71 | 11 | 11 | 20 | 17 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 30.3 | 4.9 |
| 21 | 42 | 3 | 7 | 12 | 10 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 32.9 | 5.0 |
| 22 | 72 | 11 | 15 | 16 | 12 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 31.2 | 5.0 |
| 23 | 81 | 15 | 14 | 15 | 17 | 14 | 5 | 1 | 0 | 0 | 0 | 0 | 33.8 | 5.1 |
| 24 | 100 | 16 | 19 | 24 | 23 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 28.5 | 4.8 |
| 25 | 93 | 12 | 21 | 30 | 13 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 26.1 | 4.7 |
| 26 | 94 | 22 | 22 | 21 | 16 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 24.7 | 4.6 |
| 27 | 101 | 15 | 28 | 30 | 15 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 22.9 | 4.5 |
| 28 | 101 | 26 | 21 | 36 | 8 | 6 | 3 | 0 | 1 | 0 | 0 | 0 | 22.6 | 4.5 |
| 29 | 114 | 21 | 28 | 28 | 21 | 13 | 2 | 1 | 0 | 0 | 0 | 0 | 24.8 | 4.6 |
| 30 | 114 | 24 | 23 | 36 | 12 | 11 | 5 | 3 | 0 | 0 | 0 | 0 | 26.8 | 4.7 |
| 31 | 96 | 19 | 25 | 34 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 19.8 | 4.3 |
| 32 | 79 | 21 | 21 | 24 | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 |
| 33 | 83 | 18 | 12 | 29 | 15 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 26.1 | 4.7 |
| 34 | 84 | 12 | 21 | 27 | 20 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 21.6 | 4.4 |
| 35 | 79 | 14 | 12 | 31 | 9 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 26.7 | 4.7 |
| 36 | 83 | 20 | 14 | 26 | 15 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 25.5 | 4.7 |
| 37 | 76 | 16 | 20 | 17 | 14 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 24.3 | 4.6 |
| 38 | 68 | 21 | 12 | 13 | 14 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 27.3 | 4.8 |
| 39 | 84 | 19 | 19 | 21 | 17 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 24.0 | 4.6 |
| 40 | 40 | 8 | 11 | 10 | 8 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 22.3 | 4.5 |
| 41 | 59 | 17 | 15 | 14 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 |
| 42 | 67 | 18 | 9 | 22 | 11 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 26.5 | 4.7 |
| 43 | 59 | 13 | 16 | 15 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 20.9 | 4.4 |
| 44 | 59 | 11 | 11 | 16 | 15 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 25.9 | 4.7 |
| 45 | 86 | 15 | 22 | 27 | 15 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 21.6 | 4.4 |
| 46 | 86 | 16 | 21 | 22 | 18 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 24.4 | 4.6 |
| 47 | 78 | 16 | 26 | 16 | 14 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 20.2 | 4.3 |
| 48 | 78 | 29 | 13 | 19 | 15 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 |
| 49 | 87 | 21 | 22 | 20 | 13 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 23.7 | 4.6 |
| 50 | 72 | 18 | 10 | 18 | 19 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 27.6 | 4.8 |
| 51 | 82 | 23 | 17 | 23 | 8 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 23.9 | 4.6 |
| 52 | 77 | 19 | 17 | 23 | 13 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 22.3 | 4.5 |
| 53 | 52 | 11 | 14 | 17 | 6 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 21.0 | 4.4 |
| 54 | 79 | 19 | 14 | 22 | 16 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 |
| 55 | 76 | 16 | 18 | 19 | 11 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 |
| 56 | 58 | 17 | 14 | 17 | 6 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 21.0 | 4.4 |
| 57 | 63 | 15 | 16 | 15 | 10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 23.1 | 4.5 |
| 58 | 55 | 12 | 10 | 12 | 15 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 27.6 | 4.8 |
| 59 | 50 | 16 | 13 | 5 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 28.9 | 4.9 |
| 60 | 44 | 11 | 13 | 13 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 4.2 |
| 61 | 30 | 9 | 7 | 10 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 20.7 | 4.4 |
| 62 | 50 | 9 | 13 | 10 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 24.1 | 4.6 |
| 63 | 37 | 7 | 15 | 9 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 17.0 | 4.1 |
| 64 | 42 | 11 | 9 | 14 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.5 | 4.4 |
| 65 | 32 | 11 | 4 | 8 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 26.0 | 4.7 |
| 66 | 26 | 10 | 6 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.3 | 4.2 |
| 67 | 20 | 7 | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 4.2 |
| 68 | 14 | 5 | 1 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.4 | 4.9 |
| 69 | 18 | 4 | 5 | 4 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22.1 | 4.5 |
| 70- | 95 | 26 | 18 | 20 | 24 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 25.2 | 4.7 |

表3-3 年齢別インフルエンザHI抗体保有状況
Age distribution of influenza hemagglutination inhibition (HI) antibody titer
B/Phuket/3073/2013 [B(Yamagata lineage)]

| 年齢(歳) Age (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | G.M.T. | G.M.T. (Log2) |
|----------------------|-------------|----------------------------|-----|------|------|-----|-----|-----|-----|------|-------|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | |
| Total | 5446 | 780 | 748 | 1187 | 1197 | 747 | 424 | 278 | 78 | 7 | 0 | 40.6 | 5.3 |
| 0 | 92 | 49 | 19 | 17 | 3 | 0 | 1 | 3 | 0 | 0 | 0 | 19.7 | 4.3 |
| 1 | 180 | 84 | 35 | 26 | 7 | 2 | 10 | 14 | 2 | 0 | 0 | 33.6 | 5.1 |
| 2 | 123 | 65 | 21 | 12 | 6 | 7 | 4 | 7 | 1 | 0 | 0 | 33.8 | 5.1 |
| 3 | 111 | 43 | 15 | 21 | 13 | 5 | 5 | 6 | 3 | 0 | 0 | 37.6 | 5.2 |
| 4 | 67 | 27 | 13 | 16 | 1 | 4 | 3 | 2 | 0 | 1 | 0 | 27.8 | 4.8 |
| 5 | 70 | 18 | 16 | 15 | 13 | 1 | 4 | 2 | 1 | 0 | 0 | 27.5 | 4.8 |
| 6 | 88 | 33 | 15 | 13 | 11 | 5 | 4 | 3 | 4 | 0 | 0 | 37.6 | 5.2 |
| 7 | 62 | 10 | 18 | 11 | 10 | 4 | 4 | 2 | 3 | 0 | 0 | 31.9 | 5.0 |
| 8 | 90 | 12 | 13 | 25 | 24 | 10 | 3 | 1 | 2 | 0 | 0 | 32.3 | 5.0 |
| 9 | 132 | 6 | 18 | 25 | 37 | 29 | 8 | 9 | 0 | 0 | 0 | 42.5 | 5.4 |
| 10 | 102 | 8 | 20 | 24 | 19 | 14 | 7 | 7 | 3 | 0 | 0 | 39.1 | 5.3 |
| 11 | 84 | 8 | 13 | 24 | 25 | 3 | 5 | 6 | 0 | 0 | 0 | 33.6 | 5.1 |
| 12 | 163 | 14 | 16 | 34 | 35 | 31 | 21 | 10 | 2 | 0 | 0 | 49.3 | 5.6 |
| 13 | 139 | 19 | 20 | 28 | 40 | 15 | 11 | 6 | 0 | 0 | 0 | 37.1 | 5.2 |
| 14 | 67 | 4 | 10 | 20 | 15 | 11 | 5 | 2 | 0 | 0 | 0 | 34.7 | 5.1 |
| 15 | 84 | 3 | 26 | 18 | 20 | 7 | 3 | 6 | 0 | 1 | 0 | 29.9 | 4.9 |
| 16 | 54 | 6 | 10 | 13 | 10 | 8 | 5 | 2 | 0 | 0 | 0 | 35.1 | 5.1 |
| 17 | 49 | 0 | 5 | 7 | 11 | 12 | 5 | 7 | 2 | 0 | 0 | 64.7 | 6.0 |
| 18 | 120 | 3 | 7 | 36 | 32 | 32 | 6 | 3 | 1 | 0 | 0 | 41.7 | 5.4 |
| 19 | 83 | 2 | 3 | 17 | 24 | 22 | 7 | 3 | 4 | 1 | 0 | 57.8 | 5.9 |
| 20 | 71 | 5 | 7 | 14 | 23 | 12 | 6 | 2 | 2 | 0 | 0 | 44.4 | 5.5 |
| 21 | 42 | 2 | 3 | 13 | 7 | 8 | 2 | 7 | 0 | 0 | 0 | 51.0 | 5.7 |
| 22 | 72 | 2 | 8 | 17 | 20 | 8 | 10 | 5 | 2 | 0 | 0 | 47.8 | 5.6 |
| 23 | 81 | 3 | 5 | 17 | 22 | 17 | 7 | 8 | 2 | 0 | 0 | 55.1 | 5.8 |
| 24 | 100 | 5 | 11 | 22 | 28 | 17 | 10 | 6 | 1 | 0 | 0 | 44.6 | 5.5 |
| 25 | 93 | 3 | 4 | 18 | 26 | 14 | 16 | 10 | 2 | 0 | 0 | 62.5 | 6.0 |
| 26 | 94 | 5 | 9 | 15 | 28 | 16 | 10 | 10 | 1 | 0 | 0 | 53.4 | 5.7 |
| 27 | 101 | 4 | 11 | 21 | 21 | 23 | 13 | 6 | 2 | 0 | 0 | 50.3 | 5.7 |
| 28 | 101 | 3 | 9 | 19 | 32 | 18 | 12 | 6 | 2 | 0 | 0 | 49.8 | 5.6 |
| 29 | 114 | 1 | 7 | 23 | 20 | 24 | 22 | 15 | 2 | 0 | 0 | 67.0 | 6.1 |
| 30 | 114 | 1 | 12 | 25 | 25 | 23 | 15 | 5 | 8 | 0 | 0 | 54.7 | 5.8 |
| 31 | 96 | 2 | 8 | 20 | 30 | 21 | 9 | 5 | 1 | 0 | 0 | 47.0 | 5.6 |
| 32 | 79 | 0 | 4 | 25 | 24 | 15 | 7 | 4 | 0 | 0 | 0 | 42.9 | 5.4 |
| 33 | 83 | 3 | 8 | 13 | 21 | 23 | 8 | 6 | 1 | 0 | 0 | 52.8 | 5.7 |
| 34 | 84 | 4 | 7 | 16 | 19 | 24 | 11 | 3 | 0 | 0 | 0 | 49.7 | 5.6 |
| 35 | 79 | 4 | 8 | 15 | 19 | 17 | 9 | 6 | 1 | 0 | 0 | 50.9 | 5.7 |
| 36 | 83 | 3 | 5 | 25 | 17 | 21 | 8 | 3 | 1 | 0 | 0 | 45.6 | 5.5 |
| 37 | 76 | 7 | 10 | 11 | 21 | 12 | 10 | 4 | 0 | 1 | 0 | 47.9 | 5.6 |
| 38 | 68 | 7 | 8 | 17 | 17 | 14 | 5 | 0 | 0 | 0 | 0 | 36.1 | 5.2 |
| 39 | 84 | 7 | 8 | 19 | 22 | 16 | 7 | 3 | 1 | 1 | 0 | 45.0 | 5.5 |
| 40 | 40 | 6 | 4 | 15 | 5 | 3 | 5 | 1 | 1 | 0 | 0 | 37.6 | 5.2 |
| 41 | 59 | 14 | 10 | 12 | 9 | 7 | 3 | 4 | 0 | 0 | 0 | 35.9 | 5.2 |
| 42 | 67 | 7 | 9 | 16 | 17 | 10 | 3 | 5 | 0 | 0 | 0 | 38.6 | 5.3 |
| 43 | 59 | 5 | 13 | 16 | 10 | 5 | 5 | 5 | 0 | 0 | 0 | 34.3 | 5.1 |
| 44 | 59 | 4 | 11 | 16 | 14 | 4 | 7 | 1 | 2 | 0 | 0 | 35.7 | 5.2 |
| 45 | 86 | 11 | 11 | 21 | 22 | 11 | 9 | 0 | 1 | 0 | 0 | 36.5 | 5.2 |
| 46 | 86 | 14 | 8 | 15 | 29 | 9 | 10 | 0 | 1 | 0 | 0 | 40.8 | 5.3 |
| 47 | 78 | 12 | 9 | 18 | 18 | 10 | 5 | 4 | 2 | 0 | 0 | 41.7 | 5.4 |
| 48 | 78 | 17 | 15 | 25 | 14 | 4 | 3 | 0 | 0 | 0 | 0 | 24.0 | 4.6 |
| 49 | 87 | 19 | 16 | 19 | 17 | 6 | 4 | 6 | 0 | 0 | 0 | 33.0 | 5.0 |
| 50 | 72 | 7 | 13 | 15 | 21 | 9 | 5 | 2 | 0 | 0 | 0 | 33.7 | 5.1 |
| 51 | 82 | 8 | 13 | 15 | 23 | 11 | 8 | 3 | 1 | 0 | 0 | 39.6 | 5.3 |
| 52 | 77 | 6 | 7 | 16 | 23 | 14 | 5 | 5 | 1 | 0 | 0 | 45.4 | 5.5 |
| 53 | 52 | 10 | 4 | 9 | 12 | 8 | 4 | 3 | 1 | 1 | 0 | 53.0 | 5.7 |
| 54 | 79 | 15 | 14 | 17 | 10 | 9 | 6 | 6 | 2 | 0 | 0 | 40.9 | 5.4 |
| 55 | 76 | 8 | 10 | 20 | 18 | 10 | 4 | 4 | 1 | 1 | 0 | 39.6 | 5.3 |
| 56 | 58 | 11 | 9 | 9 | 13 | 6 | 6 | 3 | 1 | 0 | 0 | 42.4 | 5.4 |
| 57 | 63 | 7 | 8 | 14 | 19 | 9 | 3 | 3 | 0 | 0 | 0 | 37.1 | 5.2 |
| 58 | 55 | 11 | 9 | 13 | 12 | 6 | 2 | 1 | 1 | 0 | 0 | 32.1 | 5.0 |
| 59 | 50 | 7 | 9 | 10 | 13 | 4 | 1 | 4 | 2 | 0 | 0 | 38.7 | 5.3 |
| 60 | 44 | 11 | 11 | 8 | 8 | 4 | 1 | 1 | 0 | 0 | 0 | 25.7 | 4.7 |
| 61 | 30 | 4 | 4 | 8 | 6 | 3 | 3 | 1 | 1 | 0 | 0 | 40.0 | 5.3 |
| 62 | 50 | 12 | 6 | 11 | 14 | 3 | 2 | 0 | 2 | 0 | 0 | 34.6 | 5.1 |
| 63 | 37 | 10 | 6 | 12 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 24.6 | 4.6 |
| 64 | 42 | 10 | 8 | 11 | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 25.9 | 4.7 |
| 65 | 32 | 7 | 6 | 9 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 23.6 | 4.6 |
| 66 | 26 | 5 | 2 | 12 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 26.9 | 4.8 |
| 67 | 20 | 11 | 4 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 18.5 | 4.2 |
| 68 | 14 | 2 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.0 | 3.9 |
| 69 | 18 | 5 | 2 | 4 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 34.1 | 5.1 |
| 70- | 95 | 19 | 27 | 25 | 19 | 5 | 0 | 0 | 0 | 0 | 0 | 20.4 | 4.3 |

表3-4 年齢別インフルエンザHI抗体保有状況
Age distribution of influenza hemagglutination inhibition (HI) antibody titer
B/Maryland/15/2016 [B(Victoria lineage)]

| 年齢(歳) Age (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) |
|----------------------|-------------|----------------------------|------|------|-----|-----|-----|-----|-----|------|-------|--------|------------------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | | |
| Total | 5446 | 1553 | 1017 | 1005 | 890 | 587 | 323 | 59 | 9 | 3 | 0 | 30.2 | 4.9 | |
| 0 | 92 | 58 | 18 | 7 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 18.1 | 4.2 | |
| 1 | 180 | 113 | 21 | 13 | 13 | 16 | 4 | 0 | 0 | 0 | 0 | 29.0 | 4.9 | |
| 2 | 123 | 82 | 10 | 11 | 9 | 10 | 1 | 0 | 0 | 0 | 0 | 29.0 | 4.9 | |
| 3 | 111 | 56 | 16 | 19 | 9 | 6 | 5 | 0 | 0 | 0 | 0 | 25.7 | 4.7 | |
| 4 | 67 | 40 | 8 | 9 | 5 | 1 | 2 | 2 | 0 | 0 | 0 | 27.9 | 4.8 | |
| 5 | 70 | 40 | 10 | 6 | 9 | 4 | 1 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 6 | 88 | 43 | 17 | 10 | 6 | 7 | 3 | 2 | 0 | 0 | 0 | 27.2 | 4.8 | |
| 7 | 62 | 34 | 16 | 4 | 1 | 2 | 5 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 8 | 90 | 43 | 23 | 14 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 18.6 | 4.2 | |
| 9 | 132 | 46 | 16 | 24 | 27 | 13 | 4 | 2 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 10 | 102 | 36 | 11 | 21 | 13 | 8 | 11 | 2 | 0 | 0 | 0 | 37.2 | 5.2 | |
| 11 | 84 | 24 | 27 | 14 | 7 | 6 | 6 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | |
| 12 | 163 | 30 | 37 | 25 | 34 | 22 | 9 | 6 | 0 | 0 | 0 | 32.3 | 5.0 | |
| 13 | 139 | 35 | 33 | 31 | 16 | 19 | 5 | 0 | 0 | 0 | 0 | 25.4 | 4.7 | |
| 14 | 67 | 17 | 17 | 13 | 8 | 10 | 2 | 0 | 0 | 0 | 0 | 25.3 | 4.7 | |
| 15 | 84 | 17 | 17 | 13 | 13 | 16 | 8 | 0 | 0 | 0 | 0 | 34.3 | 5.1 | |
| 16 | 54 | 14 | 11 | 9 | 12 | 3 | 4 | 0 | 1 | 0 | 0 | 30.3 | 4.9 | |
| 17 | 49 | 12 | 4 | 6 | 7 | 11 | 7 | 1 | 0 | 1 | 0 | 57.1 | 5.8 | |
| 18 | 120 | 23 | 22 | 32 | 29 | 8 | 4 | 2 | 0 | 0 | 0 | 27.2 | 4.8 | |
| 19 | 83 | 18 | 10 | 15 | 18 | 12 | 8 | 2 | 0 | 0 | 0 | 39.6 | 5.3 | |
| 20 | 71 | 20 | 18 | 10 | 12 | 6 | 4 | 1 | 0 | 0 | 0 | 27.0 | 4.8 | |
| 21 | 42 | 11 | 5 | 2 | 8 | 9 | 4 | 3 | 0 | 0 | 0 | 54.7 | 5.8 | |
| 22 | 72 | 14 | 20 | 13 | 10 | 9 | 6 | 0 | 0 | 0 | 0 | 27.3 | 4.8 | |
| 23 | 81 | 21 | 15 | 12 | 14 | 8 | 8 | 2 | 1 | 0 | 0 | 36.5 | 5.2 | |
| 24 | 100 | 26 | 22 | 14 | 19 | 15 | 4 | 0 | 0 | 0 | 0 | 28.8 | 4.8 | |
| 25 | 93 | 29 | 17 | 14 | 16 | 13 | 4 | 0 | 0 | 0 | 0 | 29.9 | 4.9 | |
| 26 | 94 | 43 | 13 | 12 | 14 | 7 | 4 | 1 | 0 | 0 | 0 | 30.5 | 4.9 | |
| 27 | 101 | 23 | 14 | 22 | 20 | 18 | 3 | 1 | 0 | 0 | 0 | 32.6 | 5.0 | |
| 28 | 101 | 41 | 20 | 19 | 8 | 7 | 6 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 29 | 114 | 31 | 24 | 17 | 16 | 18 | 8 | 0 | 0 | 0 | 0 | 30.9 | 4.9 | |
| 30 | 114 | 25 | 28 | 22 | 19 | 8 | 9 | 2 | 1 | 0 | 0 | 28.8 | 4.9 | |
| 31 | 96 | 23 | 26 | 22 | 16 | 4 | 5 | 0 | 0 | 0 | 0 | 22.6 | 4.5 | |
| 32 | 79 | 26 | 20 | 13 | 13 | 4 | 3 | 0 | 0 | 0 | 0 | 22.8 | 4.5 | |
| 33 | 83 | 22 | 22 | 14 | 14 | 9 | 2 | 0 | 0 | 0 | 0 | 24.0 | 4.6 | |
| 34 | 84 | 18 | 23 | 19 | 14 | 7 | 1 | 2 | 0 | 0 | 0 | 23.7 | 4.6 | |
| 35 | 79 | 16 | 20 | 16 | 18 | 4 | 5 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 36 | 83 | 15 | 17 | 17 | 25 | 5 | 4 | 0 | 0 | 0 | 0 | 27.2 | 4.8 | |
| 37 | 76 | 11 | 14 | 12 | 22 | 13 | 4 | 0 | 0 | 0 | 0 | 32.7 | 5.0 | |
| 38 | 68 | 13 | 9 | 18 | 17 | 7 | 3 | 1 | 0 | 0 | 0 | 31.1 | 5.0 | |
| 39 | 84 | 10 | 13 | 23 | 12 | 14 | 11 | 1 | 0 | 0 | 0 | 36.4 | 5.2 | |
| 40 | 40 | 5 | 9 | 11 | 4 | 5 | 5 | 1 | 0 | 0 | 0 | 32.2 | 5.0 | |
| 41 | 59 | 6 | 13 | 11 | 13 | 11 | 3 | 2 | 0 | 0 | 0 | 33.3 | 5.1 | |
| 42 | 67 | 8 | 12 | 9 | 19 | 9 | 8 | 2 | 0 | 0 | 0 | 39.1 | 5.3 | |
| 43 | 59 | 4 | 8 | 16 | 10 | 8 | 9 | 4 | 0 | 0 | 0 | 43.1 | 5.4 | |
| 44 | 59 | 7 | 10 | 9 | 14 | 9 | 8 | 2 | 0 | 0 | 0 | 41.1 | 5.4 | |
| 45 | 86 | 6 | 10 | 20 | 17 | 18 | 12 | 2 | 1 | 0 | 0 | 44.4 | 5.5 | |
| 46 | 86 | 7 | 6 | 17 | 22 | 24 | 7 | 3 | 0 | 0 | 0 | 46.8 | 5.5 | |
| 47 | 78 | 11 | 10 | 12 | 14 | 16 | 12 | 2 | 0 | 1 | 0 | 48.7 | 5.6 | |
| 48 | 78 | 10 | 17 | 18 | 15 | 10 | 3 | 3 | 2 | 0 | 0 | 33.0 | 5.0 | |
| 49 | 87 | 11 | 20 | 24 | 14 | 11 | 6 | 0 | 1 | 0 | 0 | 28.5 | 4.8 | |
| 50 | 72 | 8 | 6 | 26 | 15 | 14 | 3 | 0 | 0 | 0 | 0 | 32.9 | 5.0 | |
| 51 | 82 | 9 | 13 | 24 | 19 | 10 | 6 | 0 | 1 | 0 | 0 | 31.8 | 5.0 | |
| 52 | 77 | 7 | 9 | 17 | 23 | 13 | 6 | 1 | 0 | 1 | 0 | 39.2 | 5.3 | |
| 53 | 52 | 11 | 8 | 9 | 10 | 6 | 6 | 1 | 1 | 0 | 0 | 40.0 | 5.3 | |
| 54 | 79 | 19 | 12 | 17 | 15 | 7 | 9 | 0 | 0 | 0 | 0 | 33.2 | 5.1 | |
| 55 | 76 | 10 | 15 | 15 | 20 | 8 | 7 | 1 | 0 | 0 | 0 | 32.4 | 5.0 | |
| 56 | 58 | 15 | 7 | 14 | 8 | 10 | 4 | 0 | 0 | 0 | 0 | 34.0 | 5.1 | |
| 57 | 63 | 7 | 12 | 17 | 14 | 8 | 4 | 1 | 0 | 0 | 0 | 30.5 | 4.9 | |
| 58 | 55 | 14 | 12 | 12 | 11 | 4 | 2 | 0 | 0 | 0 | 0 | 24.9 | 4.6 | |
| 59 | 50 | 13 | 9 | 10 | 7 | 5 | 6 | 0 | 0 | 0 | 0 | 32.6 | 5.0 | |
| 60 | 44 | 18 | 10 | 8 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 61 | 30 | 5 | 6 | 9 | 7 | 1 | 2 | 0 | 0 | 0 | 0 | 25.7 | 4.7 | |
| 62 | 50 | 20 | 6 | 12 | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 27.0 | 4.8 | |
| 63 | 37 | 12 | 14 | 5 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 18.9 | 4.2 | |
| 64 | 42 | 13 | 10 | 14 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 18.6 | 4.2 | |
| 65 | 32 | 11 | 5 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 20.7 | 4.4 | |
| 66 | 26 | 7 | 8 | 4 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 21.5 | 4.4 | |
| 67 | 20 | 13 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 68 | 14 | 6 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 | |
| 69 | 18 | 7 | 5 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 18.8 | 4.2 | |
| 70- | 95 | 34 | 22 | 22 | 11 | 5 | 1 | 0 | 0 | 0 | 0 | 20.5 | 4.4 | |

表4-1 年齢群別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer
A/Brisbane/02/2018 [A(H1N1)pdm09]

| 年齢群 (歳) Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | |
|------------------------------|-------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | G.M.T. (Log2) |
| Total | 5446 | 1620 | 817 | 876 | 896 | 678 | 403 | 115 | 37 | 4 | 0 | 36.4 | 5.2 |
| 0-4 | 573 | 333 | 91 | 31 | 37 | 37 | 32 | 9 | 3 | 0 | 0 | 32.4 | 5.0 |
| 5-9 | 442 | 75 | 51 | 63 | 93 | 79 | 56 | 19 | 5 | 1 | 0 | 49.1 | 5.6 |
| 10-14 | 555 | 61 | 72 | 91 | 108 | 116 | 66 | 29 | 10 | 2 | 0 | 49.4 | 5.6 |
| 15-19 | 390 | 39 | 48 | 80 | 87 | 76 | 45 | 7 | 8 | 0 | 0 | 43.5 | 5.4 |
| 20-24 | 366 | 36 | 38 | 82 | 103 | 67 | 30 | 8 | 2 | 0 | 0 | 40.1 | 5.3 |
| 25-29 | 503 | 89 | 74 | 105 | 101 | 67 | 51 | 15 | 1 | 0 | 0 | 37.7 | 5.2 |
| 30-34 | 456 | 93 | 69 | 85 | 97 | 70 | 32 | 7 | 3 | 0 | 0 | 35.9 | 5.2 |
| 35-39 | 390 | 114 | 50 | 86 | 67 | 36 | 25 | 9 | 2 | 1 | 0 | 34.4 | 5.1 |
| 40-44 | 284 | 109 | 53 | 44 | 43 | 28 | 7 | 0 | 0 | 0 | 0 | 26.1 | 4.7 |
| 45-49 | 415 | 185 | 80 | 66 | 44 | 25 | 13 | 1 | 1 | 0 | 0 | 24.1 | 4.6 |
| 50-54 | 362 | 169 | 72 | 37 | 39 | 24 | 16 | 3 | 2 | 0 | 0 | 27.1 | 4.8 |
| 55-59 | 302 | 117 | 48 | 45 | 41 | 31 | 18 | 2 | 0 | 0 | 0 | 31.0 | 5.0 |
| 60-64 | 203 | 84 | 32 | 42 | 24 | 10 | 7 | 4 | 0 | 0 | 0 | 26.6 | 4.7 |
| 65-69 | 110 | 56 | 27 | 9 | 7 | 8 | 2 | 1 | 0 | 0 | 0 | 21.6 | 4.4 |
| 70- | 95 | 60 | 12 | 10 | 5 | 4 | 3 | 1 | 0 | 0 | 0 | 26.4 | 4.7 |

表4-2 年齢群別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer
A/Kansas/14/2017 [A(H3N2)]

| 年齢群 (歳) Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | |
|------------------------------|-------------|----------------------------|------|------|------|-----|-----|-----|-----|------|-------|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | G.M.T. (Log2) |
| Total | 5446 | 1188 | 1088 | 1384 | 1031 | 510 | 214 | 29 | 2 | 0 | 0 | 26.5 | 4.7 |
| 0-4 | 573 | 201 | 106 | 122 | 67 | 63 | 13 | 1 | 0 | 0 | 0 | 25.5 | 4.7 |
| 5-9 | 442 | 79 | 77 | 107 | 99 | 53 | 26 | 1 | 0 | 0 | 0 | 29.9 | 4.9 |
| 10-14 | 555 | 83 | 88 | 125 | 150 | 69 | 33 | 6 | 1 | 0 | 0 | 32.4 | 5.0 |
| 15-19 | 390 | 49 | 47 | 86 | 113 | 64 | 24 | 7 | 0 | 0 | 0 | 36.4 | 5.2 |
| 20-24 | 366 | 56 | 66 | 87 | 79 | 54 | 21 | 3 | 0 | 0 | 0 | 31.0 | 5.0 |
| 25-29 | 503 | 96 | 120 | 145 | 73 | 51 | 16 | 1 | 1 | 0 | 0 | 24.2 | 4.6 |
| 30-34 | 456 | 94 | 102 | 150 | 66 | 29 | 12 | 3 | 0 | 0 | 0 | 22.9 | 4.5 |
| 35-39 | 390 | 90 | 77 | 108 | 69 | 29 | 14 | 3 | 0 | 0 | 0 | 25.4 | 4.7 |
| 40-44 | 284 | 67 | 62 | 77 | 51 | 17 | 10 | 0 | 0 | 0 | 0 | 23.7 | 4.6 |
| 45-49 | 415 | 97 | 104 | 104 | 75 | 25 | 9 | 1 | 0 | 0 | 0 | 22.4 | 4.5 |
| 50-54 | 362 | 90 | 72 | 103 | 62 | 23 | 12 | 0 | 0 | 0 | 0 | 24.0 | 4.6 |
| 55-59 | 302 | 76 | 71 | 68 | 48 | 20 | 18 | 1 | 0 | 0 | 0 | 25.2 | 4.7 |
| 60-64 | 203 | 47 | 57 | 56 | 32 | 7 | 4 | 0 | 0 | 0 | 0 | 20.1 | 4.3 |
| 65-69 | 110 | 37 | 21 | 26 | 23 | 1 | 1 | 1 | 0 | 0 | 0 | 22.2 | 4.5 |
| 70- | 95 | 26 | 18 | 20 | 24 | 5 | 1 | 1 | 0 | 0 | 0 | 25.2 | 4.7 |

表4-3 年齢群別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer
B/Phuket/3073/2013 [B(Yamagata lineage)]

| 年齢群 (歳) Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | |
|------------------------------|-------------|----------------------------|-----|------|------|-----|-----|-----|-----|------|-------|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | G.M.T. (Log2) |
| Total | 5446 | 780 | 748 | 1187 | 1197 | 747 | 424 | 278 | 78 | 7 | 0 | 40.6 | 5.3 |
| 0-4 | 573 | 268 | 103 | 92 | 30 | 18 | 23 | 32 | 6 | 1 | 0 | 31.2 | 5.0 |
| 5-9 | 442 | 79 | 80 | 89 | 95 | 49 | 23 | 17 | 10 | 0 | 0 | 35.5 | 5.1 |
| 10-14 | 555 | 53 | 79 | 130 | 134 | 74 | 49 | 31 | 5 | 0 | 0 | 39.8 | 5.3 |
| 15-19 | 390 | 14 | 51 | 91 | 97 | 81 | 26 | 21 | 7 | 2 | 0 | 43.1 | 5.4 |
| 20-24 | 366 | 17 | 34 | 83 | 100 | 62 | 35 | 28 | 7 | 0 | 0 | 48.1 | 5.6 |
| 25-29 | 503 | 16 | 40 | 96 | 127 | 95 | 73 | 47 | 9 | 0 | 0 | 56.4 | 5.8 |
| 30-34 | 456 | 10 | 39 | 99 | 119 | 106 | 50 | 23 | 10 | 0 | 0 | 49.6 | 5.6 |
| 35-39 | 390 | 28 | 39 | 87 | 96 | 80 | 39 | 16 | 3 | 2 | 0 | 45.1 | 5.5 |
| 40-44 | 284 | 36 | 47 | 75 | 55 | 29 | 23 | 16 | 3 | 0 | 0 | 36.4 | 5.2 |
| 45-49 | 415 | 73 | 59 | 98 | 100 | 40 | 31 | 10 | 4 | 0 | 0 | 34.9 | 5.1 |
| 50-54 | 362 | 46 | 51 | 72 | 89 | 51 | 28 | 19 | 5 | 1 | 0 | 41.3 | 5.4 |
| 55-59 | 302 | 44 | 45 | 66 | 75 | 35 | 16 | 15 | 5 | 1 | 0 | 38.0 | 5.2 |
| 60-64 | 203 | 47 | 35 | 50 | 42 | 16 | 7 | 2 | 4 | 0 | 0 | 29.6 | 4.9 |
| 65-69 | 110 | 30 | 19 | 34 | 19 | 6 | 1 | 1 | 0 | 0 | 0 | 23.6 | 4.6 |
| 70- | 95 | 19 | 27 | 25 | 19 | 5 | 0 | 0 | 0 | 0 | 0 | 20.4 | 4.3 |

表4-4 年齢群別インフルエンザHI抗体保有状況
Age group distribution of influenza hemagglutination inhibition (HI) antibody titer
B/Maryland/15/2016 [B(Victoria lineage)]

| 年齢群 (歳) Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | |
|------------------------------|-------------|----------------------------|------|------|-----|-----|-----|-----|-----|------|-------|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | G.M.T. (Log2) |
| Total | 5446 | 1553 | 1017 | 1005 | 890 | 587 | 323 | 59 | 9 | 3 | 0 | 30.2 | 4.9 |
| 0-4 | 573 | 349 | 73 | 59 | 41 | 37 | 12 | 2 | 0 | 0 | 0 | 26.1 | 4.7 |
| 5-9 | 442 | 206 | 82 | 58 | 48 | 29 | 14 | 5 | 0 | 0 | 0 | 25.7 | 4.7 |
| 10-14 | 555 | 142 | 125 | 104 | 78 | 65 | 33 | 8 | 0 | 0 | 0 | 28.6 | 4.8 |
| 15-19 | 390 | 84 | 64 | 75 | 79 | 50 | 31 | 5 | 1 | 1 | 0 | 34.4 | 5.1 |
| 20-24 | 366 | 92 | 80 | 51 | 63 | 47 | 26 | 6 | 1 | 0 | 0 | 31.9 | 5.0 |
| 25-29 | 503 | 167 | 88 | 84 | 74 | 63 | 25 | 2 | 0 | 0 | 0 | 29.9 | 4.9 |
| 30-34 | 456 | 114 | 119 | 90 | 76 | 32 | 20 | 4 | 1 | 0 | 0 | 24.6 | 4.6 |
| 35-39 | 390 | 65 | 73 | 86 | 94 | 43 | 27 | 2 | 0 | 0 | 0 | 30.4 | 4.9 |
| 40-44 | 284 | 30 | 52 | 56 | 60 | 42 | 33 | 11 | 0 | 0 | 0 | 38.0 | 5.2 |
| 45-49 | 415 | 45 | 63 | 91 | 82 | 79 | 40 | 10 | 4 | 1 | 0 | 39.5 | 5.3 |
| 50-54 | 362 | 54 | 48 | 93 | 82 | 50 | 30 | 2 | 2 | 1 | 0 | 34.9 | 5.1 |
| 55-59 | 302 | 59 | 55 | 68 | 60 | 35 | 23 | 2 | 0 | 0 | 0 | 30.9 | 4.9 |
| 60-64 | 203 | 68 | 46 | 48 | 26 | 8 | 7 | 0 | 0 | 0 | 0 | 21.8 | 4.4 |
| 65-69 | 110 | 44 | 27 | 20 | 16 | 2 | 1 | 0 | 0 | 0 | 0 | 19.2 | 4.3 |
| 70- | 95 | 34 | 22 | 22 | 11 | 5 | 1 | 0 | 0 | 0 | 0 | 20.5 | 4.4 |

表5-1 乳児月齢別インフルエンザHI抗体保有状況
Age distribution of influenza hemagglutination inhibition (HI) antibody titer in infants
A/Brisbane/02/2018 [A(H1N1)pdm09]

| 月齢 (か月) Age (months) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) |
|-------------------------|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | |
| Total | 92 | 67 | 18 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 16.0 | 4.0 |
| 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 |
| 1 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 |
| 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 3 | 7 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 4 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 5 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 |
| 6 | 8 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 7 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 |
| 8 | 15 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 9 | 12 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 10 | 15 | 10 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 |
| 11 | 13 | 10 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 |
| 0-5 | 24 | 15 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.6 | 3.8 |
| 6-11 | 68 | 52 | 12 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 17.6 | 4.1 |

表5-2 乳児月齢別インフルエンザHI抗体保有状況
Age distribution of influenza hemagglutination inhibition (HI) antibody titer in infants
A/Kansas/14/2017 [A(H3N2)]

| 月齢 (か月) Age (months) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. | G.M.T. (Log2) |
|-------------------------|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|---|--------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | |
| Total | 92 | 36 | 25 | 22 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 17.2 | 4.1 |
| 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 |
| 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 3 | 7 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.2 | 3.9 |
| 4 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 5 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 |
| 6 | 8 | 1 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 |
| 7 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 |
| 8 | 15 | 8 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 4.0 |
| 9 | 12 | 2 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 |
| 10 | 15 | 4 | 2 | 5 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 27.4 | 4.8 |
| 11 | 13 | 5 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21.8 | 4.4 |
| 0-5 | 24 | 12 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 3.6 |
| 6-11 | 68 | 24 | 16 | 19 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 19.1 | 4.3 |

表5-3 乳児月齢別インフルエンザHI抗体保有状況
Age distribution of influenza hemagglutination inhibition (HI) antibody titer in infants
B/Phuket/3073/2013 [B(Yamagata lineage)]

| 月齢 (か月) Age (months) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) |
|-------------------------|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|--------|------------------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | | |
| Total | 92 | 49 | 19 | 17 | 3 | 0 | 1 | 3 | 0 | 0 | 0 | 19.7 | 4.3 | |
| 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 1 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 2 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 3 | 7 | 1 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 22.4 | 4.5 | |
| 4 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 5 | 6 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | |
| 6 | 8 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 7 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 8 | 15 | 8 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.2 | 3.6 | |
| 9 | 12 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 10 | 15 | 8 | 4 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 29.7 | 4.9 | |
| 11 | 13 | 7 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 0-5 | 24 | 8 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 17.6 | 4.1 | |
| 6-11 | 68 | 41 | 14 | 8 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 21.1 | 4.4 | |

表5-4 乳児月齢別インフルエンザHI抗体保有状況
Age distribution of influenza hemagglutination inhibition (HI) antibody titer in infants
B/Maryland/15/2016 [B(Victoria lineage)]

| 月齢 (か月) Age (months) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) |
|-------------------------|-------------|----------------------------|----|----|----|----|-----|-----|-----|------|-------|--------|------------------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. | | |
| Total | 92 | 58 | 18 | 7 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 18.1 | 4.2 | |
| 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |
| 1 | 3 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 3 | 7 | 1 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 4 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 5 | 6 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 6 | 8 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 7 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 3.3 | |
| 8 | 15 | 11 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 4.1 | |
| 9 | 12 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 10 | 15 | 10 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 26.4 | 4.7 | |
| 11 | 13 | 8 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | |
| 0-5 | 24 | 11 | 7 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 17.0 | 4.1 | |
| 6-11 | 68 | 47 | 11 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 18.7 | 4.2 | |

表6 予防接種歴別年齢群別インフルエンザ感受性調査対象者数

The number of examinees for influenza susceptibility investigation by vaccination history (previous season) and age group

| 年齢群 (歳) Age group (years) | 合計 Total | 前シーズン (2018/19シーズン) の予防接種歴 Vaccination history in 2018/19 season | | | | | 接種率 Vaccinee (%) |
|------------------------------|-------------|---|-------------------|--------------------|--------------------|--------------------|---------------------|
| | | 無 Non-vaccinee A | 有 Vaccinee | | | 不明 Unknown E | |
| | | | 1回 1 dose B | 2回 2 doses C | その他 Others D | | |
| Total | 5446 | 2330 | 1402 | 470 | 160 | 1084 | 46.6 |
| 0-4 | 573 | 243 | 26 | 165 | 10 | 129 | 45.3 |
| 5-9 | 442 | 129 | 46 | 141 | 14 | 112 | 60.9 |
| 10-14 | 555 | 206 | 82 | 123 | 22 | 122 | 52.4 |
| 15-19 | 390 | 149 | 134 | 6 | 5 | 96 | 49.3 |
| 20-24 | 366 | 173 | 114 | 2 | 12 | 65 | 42.5 |
| 25-29 | 503 | 247 | 152 | 6 | 12 | 86 | 40.8 |
| 30-34 | 456 | 213 | 158 | 7 | 10 | 68 | 45.1 |
| 35-39 | 390 | 159 | 132 | 6 | 18 | 75 | 49.5 |
| 40-44 | 284 | 124 | 103 | 1 | 8 | 48 | 47.5 |
| 45-49 | 415 | 198 | 123 | 5 | 17 | 72 | 42.3 |
| 50-54 | 362 | 192 | 107 | 1 | 8 | 54 | 37.7 |
| 55-59 | 302 | 135 | 89 | 2 | 15 | 61 | 44.0 |
| 60-64 | 203 | 94 | 75 | 2 | 5 | 27 | 46.6 |
| 65-69 | 110 | 45 | 30 | 2 | 1 | 32 | 42.3 |
| 70- | 95 | 23 | 31 | 1 | 3 | 37 | 60.3 |

Vaccinee (%) = (B+C+D) / (A+B+C+D) * 100

表7 予防接種歴別都道府県別インフルエンザ感受性調査対象者数

The number of examinees for influenza susceptibility investigation by vaccination history (previous season) and prefecture

| 都道府県 Prefecture | 合計 Total | 前シーズン (2018/19シーズン) の予防接種歴 Vaccination history in 2018/19 season | | | | | 接種率 Vaccinee (%) |
|--------------------|-------------|---|-------------------|--------------------|--------------------|--------------------|---------------------|
| | | 無 Non-vaccinee A | 有 Vaccinee | | | 不明 Unknown E | |
| | | | 1回 1 dose B | 2回 2 doses C | その他 Others D | | |
| 合計 Total | 5446 | 2330 | 1402 | 470 | 160 | 1084 | 46.6 |
| 北海道 Hokkaido | 201 | 0 | 0 | 0 | 0 | 201 | 0.0 |
| 山形 Yamagata | 213 | 100 | 48 | 25 | 26 | 14 | 49.7 |
| 福島 Fukushima | 209 | 127 | 57 | 22 | 0 | 3 | 38.3 |
| 茨城 Ibaraki | 198 | 102 | 45 | 33 | 3 | 15 | 44.3 |
| 栃木 Tochigi | 201 | 100 | 56 | 2 | 11 | 32 | 40.8 |
| 群馬 Gunma | 437 | 267 | 99 | 31 | 10 | 30 | 34.4 |
| 千葉 Chiba | 286 | 149 | 78 | 19 | 16 | 24 | 43.1 |
| 東京 Tokyo | 377 | 156 | 98 | 60 | 25 | 38 | 54.0 |
| 神奈川 Kanagawa | 321 | 0 | 0 | 0 | 0 | 321 | 0.0 |
| 新潟 Niigata | 397 | 190 | 91 | 60 | 4 | 52 | 44.9 |
| 富山 Toyama | 242 | 103 | 77 | 34 | 8 | 20 | 53.6 |
| 福井 Fukui | 199 | 77 | 101 | 12 | 3 | 6 | 60.1 |
| 山梨 Yamanashi | 142 | 6 | 4 | 2 | 0 | 130 | 50.0 |
| 長野 Nagano | 204 | 83 | 77 | 15 | 7 | 22 | 54.4 |
| 静岡 Shizuoka | 220 | 80 | 52 | 0 | 0 | 88 | 39.4 |
| 愛知 Aichi | 198 | 102 | 58 | 32 | 0 | 6 | 46.9 |
| 三重 Mie | 315 | 127 | 132 | 26 | 14 | 16 | 57.5 |
| 京都 Kyoto | 207 | 96 | 72 | 21 | 7 | 11 | 51.0 |
| 愛媛 Ehime | 250 | 131 | 51 | 24 | 20 | 24 | 42.0 |
| 高知 Kochi | 397 | 214 | 140 | 29 | 1 | 13 | 44.3 |
| 佐賀 Saga | 232 | 120 | 66 | 23 | 5 | 18 | 43.9 |

Vaccinee (%) = (B+C+D) / (A+B+C+D) * 100

表8-1 予防接種歴別インフルエンザHI抗体保有状況

Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by vaccination history (previous season)

A/Brisbane/02/2018 [A(H1N1)pdm09]

| 前シーズン(2018/19シーズン)の 予防接種歴/年齢群(歳) Vaccination history in 2018/19 season/Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | |
|---|-------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|------|------------------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 無 Non-vaccinee | | | | | | | | | | | | | | | |
| Total | 2330 | 916 | 373 | 329 | 314 | 211 | 137 | 37 | 12 | 1 | 0 | 32.5 | 5.0 | | |
| 0-4 | 243 | 159 | 30 | 7 | 13 | 11 | 17 | 5 | 1 | 0 | 0 | 39.0 | 5.3 | | |
| 5-9 | 129 | 28 | 9 | 15 | 30 | 21 | 21 | 5 | 0 | 0 | 0 | 54.5 | 5.8 | | |
| 10-14 | 206 | 33 | 34 | 32 | 39 | 34 | 24 | 5 | 4 | 1 | 0 | 43.0 | 5.4 | | |
| 15-19 | 149 | 20 | 26 | 36 | 32 | 23 | 10 | 1 | 1 | 0 | 0 | 32.6 | 5.0 | | |
| 20-24 | 173 | 23 | 24 | 44 | 39 | 21 | 17 | 4 | 1 | 0 | 0 | 36.3 | 5.2 | | |
| 25-29 | 247 | 65 | 44 | 46 | 47 | 27 | 11 | 6 | 1 | 0 | 0 | 31.5 | 5.0 | | |
| 30-34 | 213 | 67 | 40 | 33 | 36 | 23 | 9 | 4 | 1 | 0 | 0 | 30.7 | 4.9 | | |
| 35-39 | 159 | 69 | 20 | 28 | 20 | 10 | 7 | 4 | 1 | 0 | 0 | 32.2 | 5.0 | | |
| 40-44 | 124 | 61 | 28 | 17 | 10 | 6 | 2 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 45-49 | 198 | 116 | 33 | 24 | 10 | 9 | 4 | 1 | 1 | 0 | 0 | 22.9 | 4.5 | | |
| 50-54 | 192 | 112 | 32 | 18 | 12 | 10 | 6 | 1 | 1 | 0 | 0 | 25.3 | 4.7 | | |
| 55-59 | 135 | 69 | 21 | 10 | 18 | 10 | 6 | 1 | 0 | 0 | 0 | 30.1 | 4.9 | | |
| 60-64 | 94 | 53 | 14 | 15 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 22.5 | 4.5 | | |
| 65-69 | 45 | 24 | 15 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 14.9 | 3.9 | | |
| 70- | 23 | 17 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | | |
| 有1回 Vaccinee 1 dose | | | | | | | | | | | | | | | |
| Total | 1402 | 252 | 199 | 283 | 281 | 211 | 132 | 30 | 13 | 1 | 0 | 38.6 | 5.3 | | |
| 0-4 | 26 | 13 | 5 | 2 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 30.6 | 4.9 | | |
| 5-9 | 46 | 9 | 9 | 7 | 10 | 6 | 5 | 0 | 0 | 0 | 0 | 33.8 | 5.1 | | |
| 10-14 | 82 | 5 | 9 | 18 | 14 | 19 | 11 | 5 | 1 | 0 | 0 | 49.6 | 5.6 | | |
| 15-19 | 134 | 7 | 13 | 26 | 29 | 29 | 17 | 6 | 7 | 0 | 0 | 54.6 | 5.8 | | |
| 20-24 | 114 | 2 | 10 | 26 | 33 | 29 | 10 | 3 | 1 | 0 | 0 | 44.2 | 5.5 | | |
| 25-29 | 152 | 7 | 16 | 31 | 36 | 28 | 29 | 5 | 0 | 0 | 0 | 48.0 | 5.6 | | |
| 30-34 | 158 | 16 | 17 | 35 | 38 | 30 | 17 | 3 | 2 | 0 | 0 | 42.4 | 5.4 | | |
| 35-39 | 132 | 19 | 16 | 31 | 33 | 16 | 12 | 3 | 1 | 1 | 0 | 38.8 | 5.3 | | |
| 40-44 | 103 | 27 | 19 | 20 | 19 | 14 | 4 | 0 | 0 | 0 | 0 | 28.8 | 4.8 | | |
| 45-49 | 123 | 39 | 22 | 26 | 21 | 7 | 8 | 0 | 0 | 0 | 0 | 27.1 | 4.8 | | |
| 50-54 | 107 | 29 | 28 | 14 | 17 | 11 | 6 | 1 | 1 | 0 | 0 | 28.0 | 4.8 | | |
| 55-59 | 89 | 27 | 12 | 18 | 14 | 13 | 4 | 1 | 0 | 0 | 0 | 32.7 | 5.0 | | |
| 60-64 | 75 | 20 | 12 | 21 | 11 | 5 | 3 | 3 | 0 | 0 | 0 | 29.2 | 4.9 | | |
| 65-69 | 30 | 15 | 6 | 4 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 21.9 | 4.5 | | |
| 70- | 31 | 17 | 5 | 4 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 26.9 | 4.8 | | |
| 有2回 Vaccinee 2 doses | | | | | | | | | | | | | | | |
| Total | 470 | 121 | 64 | 67 | 63 | 81 | 44 | 22 | 6 | 2 | 0 | 46.3 | 5.5 | | |
| 0-4 | 165 | 83 | 30 | 13 | 11 | 15 | 8 | 3 | 2 | 0 | 0 | 32.4 | 5.0 | | |
| 5-9 | 141 | 19 | 19 | 29 | 21 | 28 | 18 | 5 | 1 | 1 | 0 | 45.1 | 5.5 | | |
| 10-14 | 123 | 12 | 8 | 18 | 27 | 27 | 15 | 12 | 3 | 1 | 0 | 64.3 | 6.0 | | |
| 15-19 | 6 | 2 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 47.6 | 5.6 | | |
| 20-24 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 56.6 | 5.8 | | |
| 25-29 | 6 | 1 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 30-34 | 7 | 1 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 50.4 | 5.7 | | |
| 35-39 | 6 | 1 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 69.6 | 6.1 | | |
| 40-44 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | | |
| 45-49 | 5 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 15.2 | 3.9 | | |
| 50-54 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | | |
| 55-59 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 60-64 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | | |
| 65-69 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 56.6 | 5.8 | | |
| 70- | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | | |

表8-2 予防接種歴別インフルエンザHI抗体保有状況

Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by vaccination history (previous season)

A/Kansas/14/2017 [A(H3N2)]

| 前シーズン(2018/19シーズン)の 予防接種歴/年齢群(歳) Vaccination history in 2018/19 season/Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | | |
|---|-------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|------------------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | G.M.T. (Log2) | G.M.T. (Log2) | |
| 無 Non-vaccinee | | | | | | | | | | | | | | |
| Total | 2330 | 533 | 527 | 599 | 387 | 194 | 74 | 14 | 2 | 0 | 0 | 24.6 | 4.6 | |
| 0-4 | 243 | 81 | 44 | 58 | 34 | 22 | 4 | 0 | 0 | 0 | 0 | 24.4 | 4.6 | |
| 5-9 | 129 | 17 | 17 | 32 | 32 | 20 | 10 | 1 | 0 | 0 | 0 | 34.7 | 5.1 | |
| 10-14 | 206 | 18 | 37 | 46 | 59 | 27 | 13 | 5 | 1 | 0 | 0 | 33.5 | 5.1 | |
| 15-19 | 149 | 11 | 19 | 42 | 39 | 27 | 9 | 2 | 0 | 0 | 0 | 34.6 | 5.1 | |
| 20-24 | 173 | 26 | 36 | 46 | 27 | 28 | 9 | 1 | 0 | 0 | 0 | 28.9 | 4.9 | |
| 25-29 | 247 | 47 | 67 | 75 | 28 | 24 | 5 | 0 | 1 | 0 | 0 | 22.1 | 4.5 | |
| 30-34 | 213 | 47 | 58 | 70 | 23 | 9 | 3 | 3 | 0 | 0 | 0 | 20.3 | 4.3 | |
| 35-39 | 159 | 40 | 45 | 35 | 27 | 6 | 5 | 1 | 0 | 0 | 0 | 21.6 | 4.4 | |
| 40-44 | 124 | 40 | 31 | 31 | 18 | 4 | 0 | 0 | 0 | 0 | 0 | 19.2 | 4.3 | |
| 45-49 | 198 | 51 | 52 | 48 | 35 | 10 | 2 | 0 | 0 | 0 | 0 | 20.9 | 4.4 | |
| 50-54 | 192 | 61 | 42 | 47 | 28 | 9 | 5 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 55-59 | 135 | 39 | 36 | 31 | 16 | 5 | 8 | 0 | 0 | 0 | 0 | 22.1 | 4.5 | |
| 60-64 | 94 | 30 | 29 | 22 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 17.6 | 4.1 | |
| 65-69 | 45 | 21 | 9 | 8 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 21.2 | 4.4 | |
| 70- | 23 | 4 | 5 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 20.7 | 4.4 | |
| 有1回 Vaccinee 1 dose | | | | | | | | | | | | | | |
| Total | 1402 | 147 | 252 | 400 | 362 | 160 | 70 | 11 | 0 | 0 | 0 | 29.2 | 4.9 | |
| 0-4 | 26 | 6 | 7 | 4 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 5-9 | 46 | 4 | 11 | 16 | 9 | 4 | 2 | 0 | 0 | 0 | 0 | 24.4 | 4.6 | |
| 10-14 | 82 | 6 | 13 | 15 | 31 | 14 | 3 | 0 | 0 | 0 | 0 | 33.0 | 5.0 | |
| 15-19 | 134 | 6 | 9 | 24 | 51 | 29 | 10 | 5 | 0 | 0 | 0 | 45.1 | 5.5 | |
| 20-24 | 114 | 12 | 19 | 22 | 34 | 17 | 8 | 2 | 0 | 0 | 0 | 34.7 | 5.1 | |
| 25-29 | 152 | 15 | 32 | 48 | 35 | 17 | 5 | 0 | 0 | 0 | 0 | 26.0 | 4.7 | |
| 30-34 | 158 | 20 | 28 | 59 | 29 | 16 | 6 | 0 | 0 | 0 | 0 | 25.8 | 4.7 | |
| 35-39 | 132 | 16 | 22 | 39 | 29 | 17 | 8 | 1 | 0 | 0 | 0 | 30.2 | 4.9 | |
| 40-44 | 103 | 13 | 17 | 30 | 26 | 9 | 8 | 0 | 0 | 0 | 0 | 29.6 | 4.9 | |
| 45-49 | 123 | 17 | 32 | 31 | 30 | 9 | 3 | 1 | 0 | 0 | 0 | 24.2 | 4.6 | |
| 50-54 | 107 | 8 | 21 | 42 | 23 | 8 | 5 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 55-59 | 89 | 11 | 19 | 20 | 22 | 10 | 6 | 1 | 0 | 0 | 0 | 29.8 | 4.9 | |
| 60-64 | 75 | 8 | 14 | 29 | 18 | 3 | 3 | 0 | 0 | 0 | 0 | 24.3 | 4.6 | |
| 65-69 | 30 | 1 | 4 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 23.6 | 4.6 | |
| 70- | 31 | 4 | 4 | 7 | 13 | 1 | 1 | 1 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 有2回 Vaccinee 2 doses | | | | | | | | | | | | | | |
| Total | 470 | 88 | 82 | 114 | 88 | 67 | 30 | 1 | 0 | 0 | 0 | 30.6 | 4.9 | |
| 0-4 | 165 | 53 | 24 | 38 | 16 | 28 | 5 | 1 | 0 | 0 | 0 | 30.3 | 4.9 | |
| 5-9 | 141 | 14 | 32 | 32 | 35 | 18 | 10 | 0 | 0 | 0 | 0 | 29.1 | 4.9 | |
| 10-14 | 123 | 17 | 19 | 34 | 28 | 13 | 12 | 0 | 0 | 0 | 0 | 31.8 | 5.0 | |
| 15-19 | 6 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 34.8 | 5.1 | |
| 20-24 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 25-29 | 6 | 0 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | |
| 30-34 | 7 | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 36.2 | 5.2 | |
| 35-39 | 6 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 31.7 | 5.0 | |
| 40-44 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | |
| 45-49 | 5 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |
| 50-54 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | |
| 55-59 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 3.8 | |
| 60-64 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 65-69 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 160.0 | 7.3 | |
| 70- | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | |

表8-3 予防接種歴別インフルエンザHI抗体保有状況

Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by vaccination history (previous season)

B/Phuket/3073/2013 [B(Yamagata lineage)]

| 前シーズン(2018/19シーズン)の 予防接種歴/年齢群(歳) Vaccination history in 2018/19 season/Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) |
|---|-------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|------------------|------------------|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | |
| 無 Non-vaccinee | | | | | | | | | | | | | | |
| Total | 2330 | 437 | 375 | 521 | 441 | 274 | 155 | 99 | 26 | 2 | 0 | 36.2 | 5.2 | |
| 0-4 | 243 | 119 | 48 | 34 | 12 | 3 | 10 | 15 | 2 | 0 | 0 | 29.6 | 4.9 | |
| 5-9 | 129 | 38 | 24 | 24 | 21 | 6 | 4 | 8 | 4 | 0 | 0 | 34.9 | 5.1 | |
| 10-14 | 206 | 28 | 35 | 48 | 44 | 22 | 21 | 7 | 1 | 0 | 0 | 35.7 | 5.2 | |
| 15-19 | 149 | 10 | 27 | 40 | 31 | 29 | 5 | 5 | 2 | 0 | 0 | 34.1 | 5.1 | |
| 20-24 | 173 | 12 | 18 | 44 | 40 | 20 | 17 | 17 | 5 | 0 | 0 | 48.6 | 5.6 | |
| 25-29 | 247 | 9 | 29 | 55 | 63 | 44 | 29 | 16 | 2 | 0 | 0 | 45.6 | 5.5 | |
| 30-34 | 213 | 8 | 27 | 54 | 55 | 48 | 9 | 8 | 4 | 0 | 0 | 39.7 | 5.3 | |
| 35-39 | 159 | 18 | 20 | 43 | 26 | 32 | 15 | 3 | 1 | 1 | 0 | 39.4 | 5.3 | |
| 40-44 | 124 | 20 | 31 | 33 | 20 | 9 | 9 | 2 | 0 | 0 | 0 | 26.5 | 4.7 | |
| 45-49 | 198 | 53 | 28 | 42 | 42 | 17 | 14 | 2 | 0 | 0 | 0 | 32.0 | 5.0 | |
| 50-54 | 192 | 36 | 34 | 33 | 37 | 24 | 14 | 9 | 4 | 1 | 0 | 39.8 | 5.3 | |
| 55-59 | 135 | 29 | 23 | 28 | 29 | 12 | 6 | 7 | 1 | 0 | 0 | 34.0 | 5.1 | |
| 60-64 | 94 | 30 | 17 | 23 | 15 | 7 | 2 | 0 | 0 | 0 | 0 | 24.3 | 4.6 | |
| 65-69 | 45 | 19 | 9 | 12 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 18.5 | 4.2 | |
| 70- | 23 | 8 | 5 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 | 4.1 | |
| 有1回 Vaccinee 1 dose | | | | | | | | | | | | | | |
| Total | 1402 | 76 | 131 | 261 | 377 | 279 | 160 | 94 | 21 | 3 | 0 | 50.8 | 5.7 | |
| 0-4 | 26 | 11 | 6 | 4 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 31.7 | 5.0 | |
| 5-9 | 46 | 8 | 7 | 9 | 14 | 5 | 2 | 1 | 0 | 0 | 0 | 32.7 | 5.0 | |
| 10-14 | 82 | 4 | 12 | 18 | 23 | 15 | 7 | 3 | 0 | 0 | 0 | 38.6 | 5.3 | |
| 15-19 | 134 | 0 | 10 | 25 | 39 | 34 | 13 | 9 | 3 | 1 | 0 | 54.3 | 5.8 | |
| 20-24 | 114 | 1 | 8 | 16 | 35 | 30 | 15 | 9 | 0 | 0 | 0 | 56.1 | 5.8 | |
| 25-29 | 152 | 3 | 5 | 17 | 32 | 40 | 30 | 21 | 4 | 0 | 0 | 81.1 | 6.3 | |
| 30-34 | 158 | 0 | 4 | 21 | 42 | 43 | 32 | 13 | 3 | 0 | 0 | 70.4 | 6.1 | |
| 35-39 | 132 | 2 | 6 | 19 | 41 | 33 | 19 | 9 | 2 | 1 | 0 | 61.3 | 5.9 | |
| 40-44 | 103 | 7 | 8 | 25 | 27 | 14 | 11 | 11 | 0 | 0 | 0 | 49.0 | 5.6 | |
| 45-49 | 123 | 6 | 14 | 28 | 39 | 14 | 14 | 5 | 3 | 0 | 0 | 43.2 | 5.4 | |
| 50-54 | 107 | 6 | 11 | 22 | 31 | 21 | 9 | 6 | 1 | 0 | 0 | 44.9 | 5.5 | |
| 55-59 | 89 | 5 | 9 | 21 | 25 | 17 | 5 | 6 | 0 | 1 | 0 | 43.8 | 5.5 | |
| 60-64 | 75 | 13 | 15 | 17 | 19 | 6 | 1 | 0 | 4 | 0 | 0 | 30.9 | 5.0 | |
| 65-69 | 30 | 4 | 7 | 10 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 24.1 | 4.6 | |
| 70- | 31 | 6 | 9 | 9 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 有2回 Vaccinee 2 doses | | | | | | | | | | | | | | |
| Total | 470 | 95 | 70 | 88 | 80 | 52 | 37 | 36 | 12 | 0 | 0 | 44.2 | 5.5 | |
| 0-4 | 165 | 68 | 31 | 25 | 9 | 8 | 8 | 14 | 2 | 0 | 0 | 36.5 | 5.2 | |
| 5-9 | 141 | 17 | 28 | 23 | 29 | 21 | 12 | 6 | 5 | 0 | 0 | 40.9 | 5.4 | |
| 10-14 | 123 | 7 | 9 | 31 | 32 | 19 | 12 | 10 | 3 | 0 | 0 | 49.6 | 5.6 | |
| 15-19 | 6 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 52.8 | 5.7 | |
| 20-24 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 25-29 | 6 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 71.3 | 6.2 | |
| 30-34 | 7 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 72.5 | 6.2 | |
| 35-39 | 6 | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 142.5 | 7.2 | |
| 40-44 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 320.0 | 8.3 | |
| 45-49 | 5 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 47.6 | 5.6 | |
| 50-54 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 320.0 | 8.3 | |
| 55-59 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | |
| 60-64 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 4.8 | |
| 65-69 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | |
| 70- | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 5.3 | |

表8-4 予防接種歴別インフルエンザHI抗体保有状況

Age group distribution of influenza hemagglutination inhibition (HI) antibody titer by vaccination history (previous season)

B/Maryland/15/2016 [B(Victoria lineage)]

| 前シーズン(2018/19シーズン)の 予防接種歴/年齢群(歳) Vaccination history in 2018/19 season/Age group (years) | 合計 Total | HI抗体価 HI antibody titer | | | | | | | | | | | G.M.T. (Log2) | G.M.T. (Log2) | |
|---|-------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|------------------|------------------|--|
| | | <10 | 10 | 20 | 40 | 80 | 160 | 320 | 640 | 1280 | ≥2560 | | | | |
| 無 Non-vaccinee | | | | | | | | | | | | | | | |
| Total | 2330 | 807 | 428 | 400 | 343 | 211 | 121 | 16 | 3 | 1 | 0 | 28.6 | 4.8 | | |
| 0-4 | 243 | 159 | 24 | 16 | 22 | 19 | 3 | 0 | 0 | 0 | 0 | 29.0 | 4.9 | | |
| 5-9 | 129 | 73 | 18 | 12 | 9 | 7 | 7 | 3 | 0 | 0 | 0 | 32.0 | 5.0 | | |
| 10-14 | 206 | 72 | 49 | 34 | 20 | 22 | 8 | 1 | 0 | 0 | 0 | 25.0 | 4.6 | | |
| 15-19 | 149 | 35 | 33 | 27 | 28 | 14 | 11 | 1 | 0 | 0 | 0 | 28.8 | 4.8 | | |
| 20-24 | 173 | 50 | 30 | 23 | 30 | 23 | 14 | 3 | 0 | 0 | 0 | 35.1 | 5.1 | | |
| 25-29 | 247 | 100 | 47 | 41 | 27 | 24 | 7 | 1 | 0 | 0 | 0 | 25.7 | 4.7 | | |
| 30-34 | 213 | 70 | 52 | 36 | 36 | 11 | 6 | 1 | 1 | 0 | 0 | 23.5 | 4.6 | | |
| 35-39 | 159 | 40 | 27 | 35 | 33 | 14 | 10 | 0 | 0 | 0 | 0 | 29.0 | 4.9 | | |
| 40-44 | 124 | 18 | 27 | 35 | 21 | 12 | 8 | 3 | 0 | 0 | 0 | 28.5 | 4.8 | | |
| 45-49 | 198 | 28 | 37 | 43 | 37 | 32 | 18 | 2 | 1 | 0 | 0 | 34.1 | 5.1 | | |
| 50-54 | 192 | 40 | 27 | 50 | 38 | 18 | 16 | 1 | 1 | 1 | 0 | 33.0 | 5.0 | | |
| 55-59 | 135 | 37 | 25 | 27 | 23 | 13 | 10 | 0 | 0 | 0 | 0 | 29.3 | 4.9 | | |
| 60-64 | 94 | 45 | 17 | 16 | 13 | 1 | 2 | 0 | 0 | 0 | 0 | 21.2 | 4.4 | | |
| 65-69 | 45 | 27 | 11 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 4.0 | | |
| 70- | 23 | 13 | 4 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 23.0 | 4.5 | | |
| 有1回 Vaccinee 1 dose | | | | | | | | | | | | | | | |
| Total | 1402 | 196 | 272 | 270 | 315 | 208 | 112 | 24 | 4 | 1 | 0 | 33.9 | 5.1 | | |
| 0-4 | 26 | 19 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 26.9 | 4.8 | | |
| 5-9 | 46 | 22 | 13 | 5 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 17.8 | 4.2 | | |
| 10-14 | 82 | 15 | 23 | 14 | 19 | 9 | 2 | 0 | 0 | 0 | 0 | 24.6 | 4.6 | | |
| 15-19 | 134 | 10 | 18 | 30 | 38 | 23 | 12 | 2 | 1 | 0 | 0 | 38.0 | 5.2 | | |
| 20-24 | 114 | 13 | 28 | 18 | 27 | 16 | 10 | 2 | 0 | 0 | 0 | 32.1 | 5.0 | | |
| 25-29 | 152 | 27 | 25 | 26 | 36 | 25 | 12 | 1 | 0 | 0 | 0 | 35.0 | 5.1 | | |
| 30-34 | 158 | 18 | 43 | 37 | 28 | 19 | 10 | 3 | 0 | 0 | 0 | 27.6 | 4.8 | | |
| 35-39 | 132 | 9 | 23 | 25 | 41 | 20 | 12 | 2 | 0 | 0 | 0 | 35.5 | 5.2 | | |
| 40-44 | 103 | 6 | 18 | 10 | 24 | 22 | 16 | 7 | 0 | 0 | 0 | 49.2 | 5.6 | | |
| 45-49 | 123 | 9 | 10 | 21 | 27 | 33 | 15 | 5 | 2 | 1 | 0 | 54.2 | 5.8 | | |
| 50-54 | 107 | 5 | 13 | 27 | 29 | 23 | 8 | 1 | 1 | 0 | 0 | 38.1 | 5.3 | | |
| 55-59 | 89 | 8 | 18 | 23 | 22 | 8 | 9 | 1 | 0 | 0 | 0 | 30.9 | 5.0 | | |
| 60-64 | 75 | 17 | 23 | 21 | 7 | 3 | 4 | 0 | 0 | 0 | 0 | 20.5 | 4.4 | | |
| 65-69 | 30 | 10 | 8 | 3 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 22.2 | 4.5 | | |
| 70- | 31 | 8 | 7 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 23.3 | 4.5 | | |
| 有2回 Vaccinee 2 doses | | | | | | | | | | | | | | | |
| Total | 470 | 159 | 88 | 77 | 59 | 48 | 30 | 9 | 0 | 0 | 0 | 30.7 | 4.9 | | |
| 0-4 | 165 | 88 | 24 | 20 | 11 | 13 | 7 | 2 | 0 | 0 | 0 | 29.2 | 4.9 | | |
| 5-9 | 141 | 47 | 31 | 20 | 23 | 12 | 6 | 2 | 0 | 0 | 0 | 27.3 | 4.8 | | |
| 10-14 | 123 | 17 | 30 | 25 | 17 | 16 | 13 | 5 | 0 | 0 | 0 | 33.3 | 5.1 | | |
| 15-19 | 6 | 3 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 50.4 | 5.7 | | |
| 20-24 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 25-29 | 6 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 25.2 | 4.7 | | |
| 30-34 | 7 | 2 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 52.8 | 5.7 | | |
| 35-39 | 6 | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 63.5 | 6.0 | | |
| 40-44 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 80.0 | 6.3 | | |
| 45-49 | 5 | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 30.3 | 4.9 | | |
| 50-54 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 160.0 | 7.3 | | |
| 55-59 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 60-64 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 65-69 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |
| 70- | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 4.3 | | |

表9 年齢群別インフルエンザ予防接種歴・罹患歴調査対象者数, 2019/20シーズン
 The number of examinees for investigation of influenza vaccination history and influenza disease history in 2019/20 season

| 年齢群 (歳) Age group (years) | 2019/20シーズンの予防接種歴 Vaccination history in 2019/20 season | | | | 2019/20シーズンの罹患歴 Disease history in 2019/20 season | | | | | | | |
|------------------------------|--|---------------|---------------|---------------|--|------------------|-----------------|--------------|-----------------------|---------------------|---------------|-------------------|
| | 無 Non-vaccinee | 有 Vaccinee | | | 不明 Unknown | 無 Non-illness | 有 *1 Illness | | | | 不明 Unknown | |
| | | 1回 1 dose | 2回 2 doses | その他 Others | | | A型 Type A | B型 Type B | A型+B型 Type A and B | 型不明 Type Unknown | | インフルエンザ様症状 ILI |
| Total | 869 | 895 | 198 | 5 | 3479 | 1794 | 103 | 14 | 1 | 5 | 33 | 3496 |
| 0-4 | 29 | 10 | 83 | 1 | 450 | 97 | 17 | 4 | 0 | 1 | 3 | 451 |
| 5-9 | 32 | 15 | 48 | 0 | 347 | 66 | 17 | 4 | 0 | 0 | 4 | 351 |
| 10-14 | 57 | 46 | 61 | 0 | 391 | 139 | 17 | 2 | 1 | 1 | 3 | 392 |
| 15-19 | 37 | 99 | 0 | 0 | 254 | 130 | 3 | 0 | 0 | 0 | 2 | 255 |
| 20-24 | 55 | 76 | 1 | 0 | 234 | 128 | 1 | 0 | 0 | 0 | 3 | 234 |
| 25-29 | 94 | 101 | 1 | 1 | 306 | 190 | 2 | 1 | 0 | 1 | 2 | 307 |
| 30-34 | 89 | 95 | 0 | 1 | 271 | 171 | 4 | 2 | 0 | 0 | 6 | 273 |
| 35-39 | 65 | 80 | 1 | 0 | 244 | 130 | 9 | 1 | 0 | 2 | 3 | 245 |
| 40-44 | 57 | 60 | 0 | 0 | 167 | 107 | 7 | 0 | 0 | 0 | 1 | 169 |
| 45-49 | 101 | 78 | 1 | 1 | 234 | 171 | 9 | 0 | 0 | 0 | 1 | 234 |
| 50-54 | 89 | 75 | 2 | 1 | 195 | 152 | 11 | 0 | 0 | 0 | 3 | 196 |
| 55-59 | 75 | 68 | 0 | 0 | 159 | 137 | 4 | 0 | 0 | 0 | 1 | 160 |
| 60-64 | 51 | 50 | 0 | 0 | 102 | 98 | 2 | 0 | 0 | 0 | 0 | 103 |
| 65-69 | 25 | 24 | 0 | 0 | 61 | 49 | 0 | 0 | 0 | 0 | 0 | 61 |
| 70- | 13 | 18 | 0 | 0 | 64 | 29 | 0 | 0 | 0 | 0 | 1 | 65 |

*1 : Including ≥ 2 times of influenza disease and/or ILI history in 2019/20 season

※ILI : influenza-like illness

表10-1 型別年齢群別インフルエンザワクチンの有効性：A型，2019/20シーズン
Vaccine effectiveness of influenza by type and age group ;type A in 2019/20 season

| 型／年齢群(歳) Type of influenza/ Age group (years) | 合計 Total | 2019/20シーズンの予防接種歴・罹患歴 *1 Vaccination history and Disease history in 2019/20 season | | | |
|---|-------------|---|-----------------------------|-----------------------------------|-----------------------------|
| | | 予防接種歴有 Vaccination history:Yes | | 予防接種歴なし Vaccination history:No | |
| | | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No |
| Type A ² | | | | | |
| Total | 690 | 22 | 372 | 17 | 279 |
| 0-2 | 43 | 3 | 28 | 3 | 9 |
| 3-6 | 23 | 2 | 13 | 2 | 6 |
| 7-12 | 76 | 7 | 37 | 4 | 28 |
| 13-64 | 509 | 10 | 272 | 8 | 219 |
| 65- | 39 | 0 | 22 | 0 | 17 |

表10-2 型別年齢群別インフルエンザワクチンの有効性：B型，2019/20シーズン
Vaccine effectiveness of influenza by type and age group : type B in 2019/20 season

| 型／年齢群(歳) Type of influenza/ Age group (years) | 合計 Total | 2019/20シーズンの予防接種歴・罹患歴 *1 Vaccination history and Disease history in 2019/20 season | | | |
|---|-------------|---|-----------------------------|-----------------------------------|-----------------------------|
| | | 予防接種歴有 Vaccination history:Yes | | 予防接種歴なし Vaccination history:No | |
| | | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No |
| Type B ³ | | | | | |
| Total | 690 | 6 | 388 | 3 | 293 |
| 0-2 | 43 | 1 | 30 | 0 | 12 |
| 3-6 | 23 | 2 | 13 | 0 | 8 |
| 7-12 | 76 | 2 | 42 | 2 | 30 |
| 13-64 | 509 | 1 | 281 | 1 | 226 |
| 65- | 39 | 0 | 22 | 0 | 17 |

*1 : Vaccination history "Yes" represent ≥ 1 dose of influenza vaccine

*2 : Disease history "No" including ≥ 1 time of type B influenza

*3 : Disease history "No" including ≥ 1 time of type A influenza

※VE : vaccine effectiveness / CI : confidence interval / NA : not analyzed

表11-1 抗体価別年齢群別インフルエンザワクチンの有効性(<1:40), 2019/20シーズン

Vaccine effectiveness of influenza by antibody titer and age group (<1:40) in 2019/20 season

| HI抗体価:A(H1N1)／年齢群(歳) HI antibody titer to A(H1N1)／ Age group (years) | 合計 Total | 2019/20シーズンの予防接種歴・罹患歴 ^{*1} Vaccination history and Disease history in 2019/20 season | | | |
|--|-------------|--|-----------------------------|-----------------------------------|-----------------------------|
| | | 予防接種歴有 Vaccination history:Yes | | 予防接種歴なし Vaccination history:No | |
| | | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No |
| <1:40 | | | | | |
| Total | 462 | 18 | 229 | 15 | 200 |
| 0-2 | 41 | 3 | 26 | 3 | 9 |
| 3-6 | 17 | 2 | 9 | 2 | 4 |
| 7-12 | 35 | 4 | 15 | 2 | 14 |
| 13-64 | 335 | 9 | 160 | 8 | 158 |
| 65- | 34 | 0 | 19 | 0 | 15 |

表11-2 抗体価別年齢群別インフルエンザワクチンの有効性(1:40-1:80), 2019/20シーズン

Vaccine effectiveness of influenza by antibody titer and age group (1:40-1:80) in 2019/20 season

| HI抗体価:A(H1N1)／年齢群(歳) HI antibody titer to A(H1N1)／ Age group (years) | 合計 Total | 2019/20シーズンの予防接種歴・罹患歴 ^{*1} Vaccination history and Disease history in 2019/20 season | | | |
|--|-------------|--|-----------------------------|-----------------------------------|-----------------------------|
| | | 予防接種歴有 Vaccination history:Yes | | 予防接種歴なし Vaccination history:No | |
| | | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No |
| 1:40-1:80 | | | | | |
| Total | 206 | 3 | 128 | 2 | 73 |
| 0-2 | 2 | 0 | 2 | 0 | 0 |
| 3-6 | 6 | 0 | 4 | 0 | 2 |
| 7-12 | 36 | 2 | 19 | 2 | 13 |
| 13-64 | 158 | 1 | 101 | 0 | 56 |
| 65- | 4 | 0 | 2 | 0 | 2 |

表11-3 抗体価別年齢群別インフルエンザワクチンの有効性(≥1:160), 2019/20シーズン

Vaccine effectiveness of influenza by antibody titer and age group (≥1:160) in 2019/20 season

| HI抗体価:A(H1N1)／年齢群(歳) HI antibody titer to A(H1N1)／ Age group (years) | 合計 Total | 2019/20シーズンの予防接種歴・罹患歴 ^{*1} Vaccination history and Disease history in 2019/20 season | | | |
|--|-------------|--|-----------------------------|-----------------------------------|-----------------------------|
| | | 予防接種歴有 Vaccination history:Yes | | 予防接種歴なし Vaccination history:No | |
| | | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No | 罹患歴有 Disease history:Yes | 罹患歴なし Disease history:No |
| ≥1:160 | | | | | |
| Total | 22 | 1 | 15 | 0 | 6 |
| 0-2 | 0 | 0 | 0 | 0 | 0 |
| 3-6 | 0 | 0 | 0 | 0 | 0 |
| 7-12 | 5 | 1 | 3 | 0 | 1 |
| 13-64 | 16 | 0 | 11 | 0 | 5 |
| 65- | 1 | 0 | 1 | 0 | 0 |

*1 : Vaccination history "Yes" represent ≥1 dose of influenza vaccine

Disease history "Yes" represent ≥1 time of type B influenza

Disease history "No" including ≥1 time of type A influenza

※VE : vaccine effectiveness / CI : confidence interval / NA : not analyzed

図1 年齢別インフルエンザHI抗体保有状況，2019年

Age distribution of influenza hemagglutination inhibition (HI) antibody positives, 2019

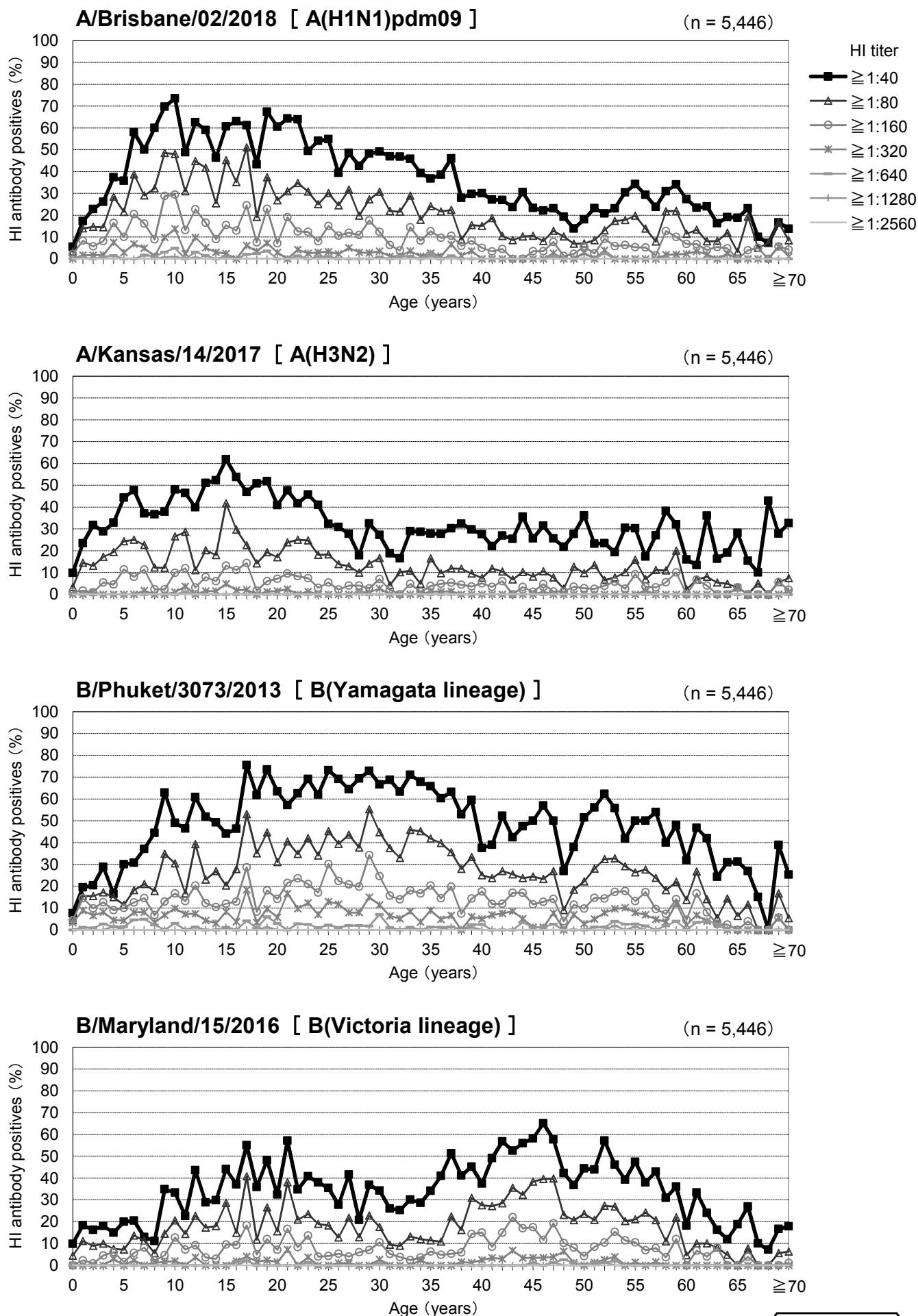


図2 年齢群別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives, 2019

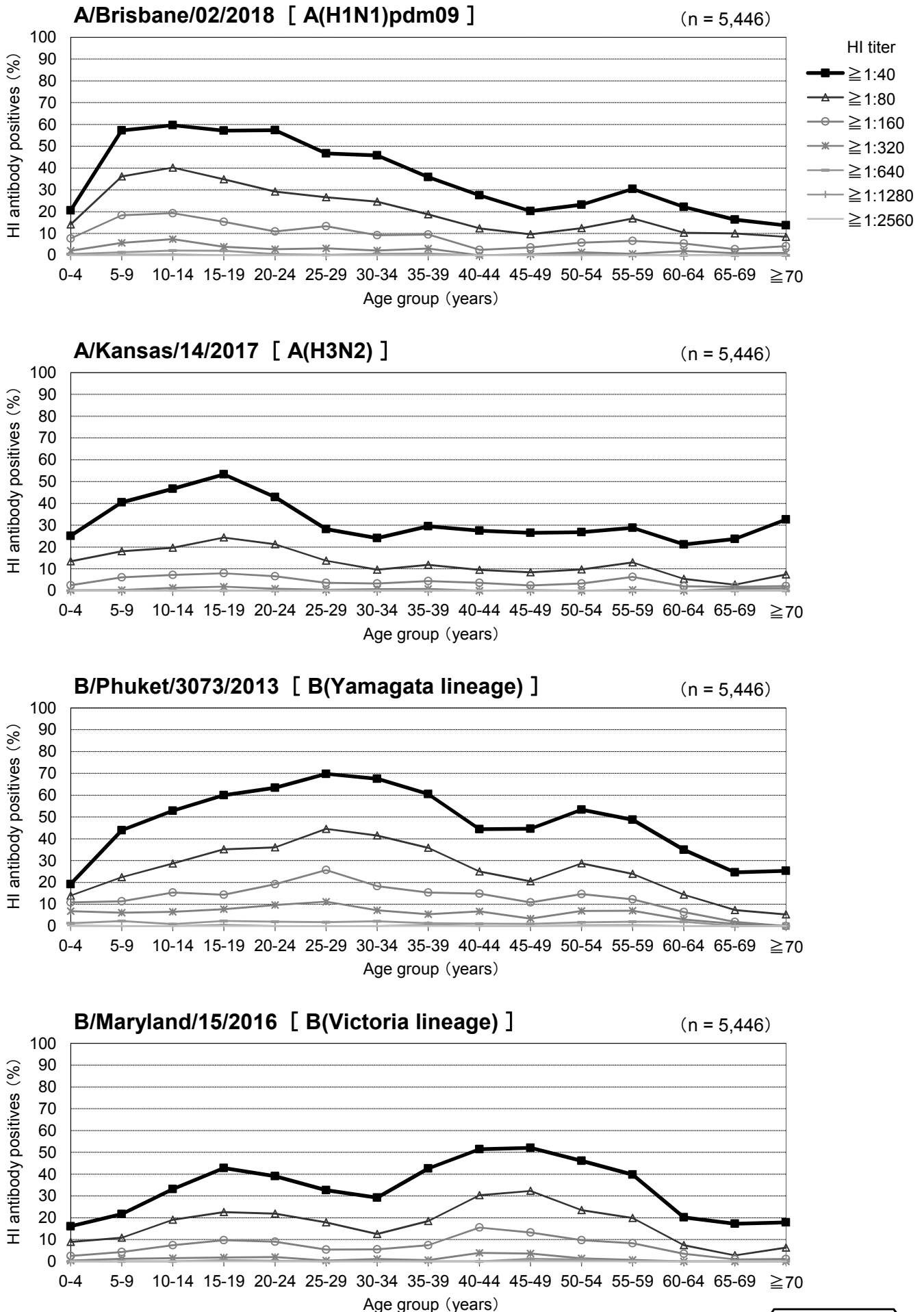


図3-1 年齢群別インフルエンザHI抗体保有状況(抗体価 \geq 1:40)の年度別比較 [A型]

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives (HI titer \geq 1:40) in different years

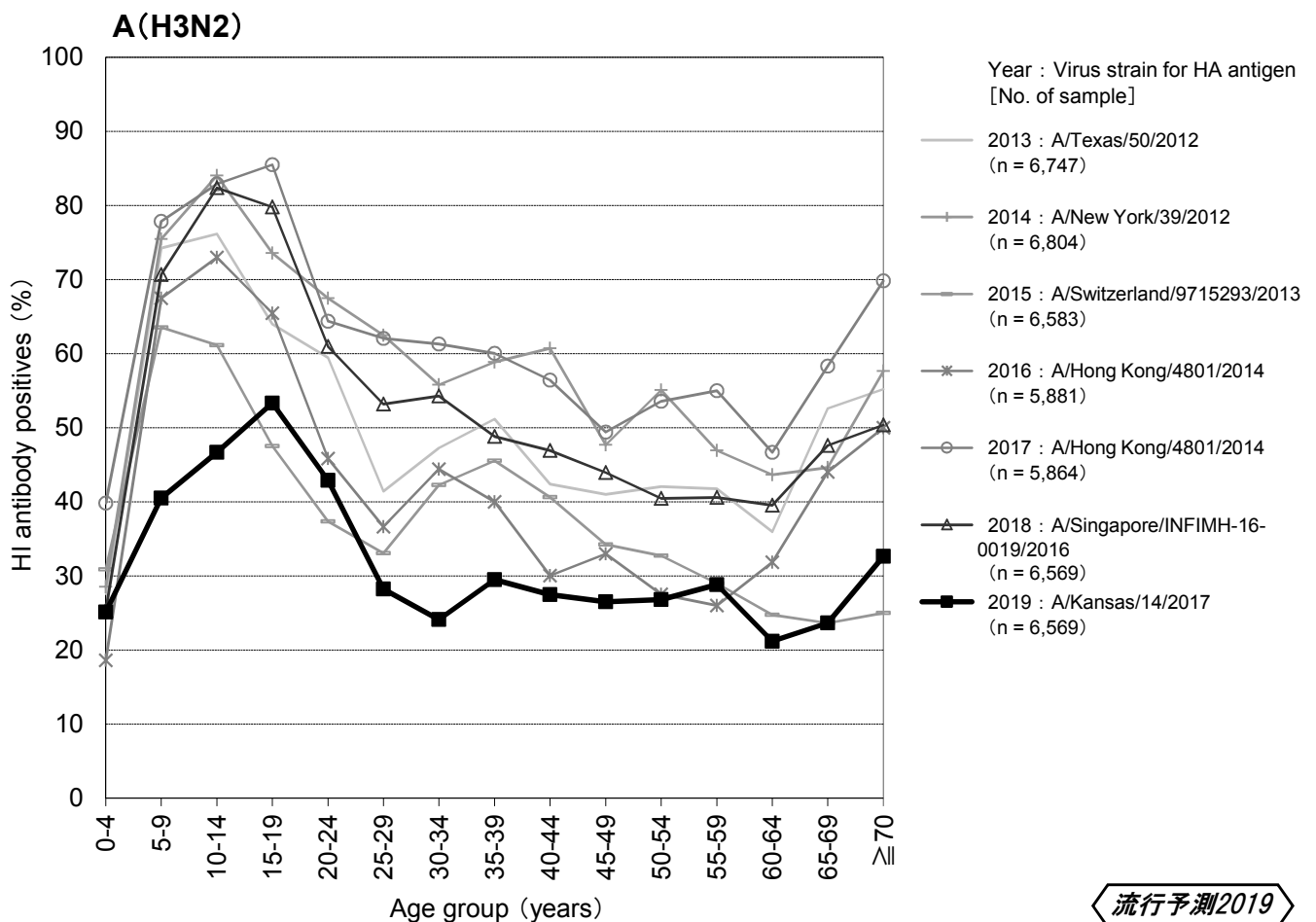
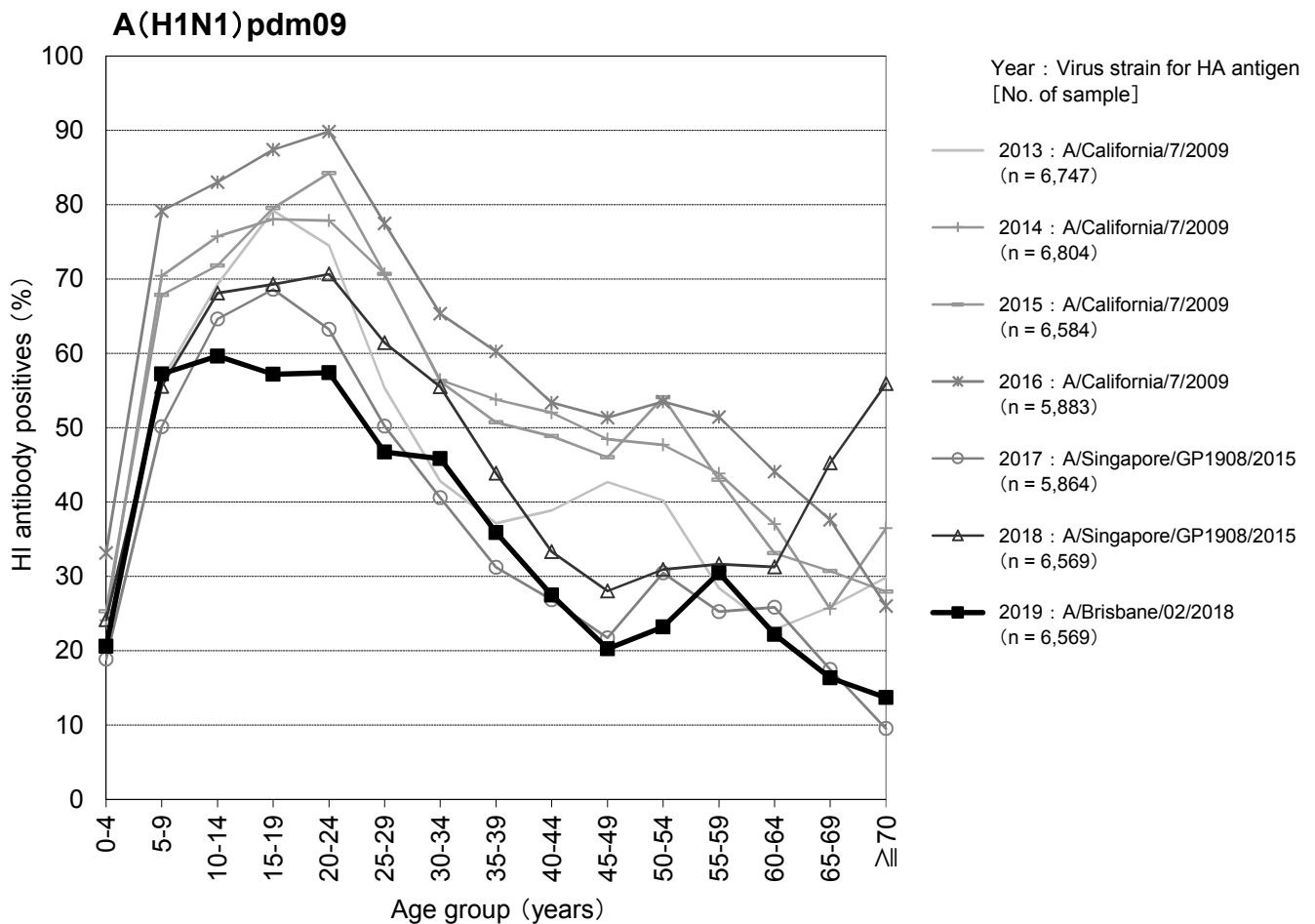


図3-2 年齢群別インフルエンザHI抗体保有状況(抗体価 \geq 1:40)の年度別比較 [B型]

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives (HI titer \geq 1:40) in different years

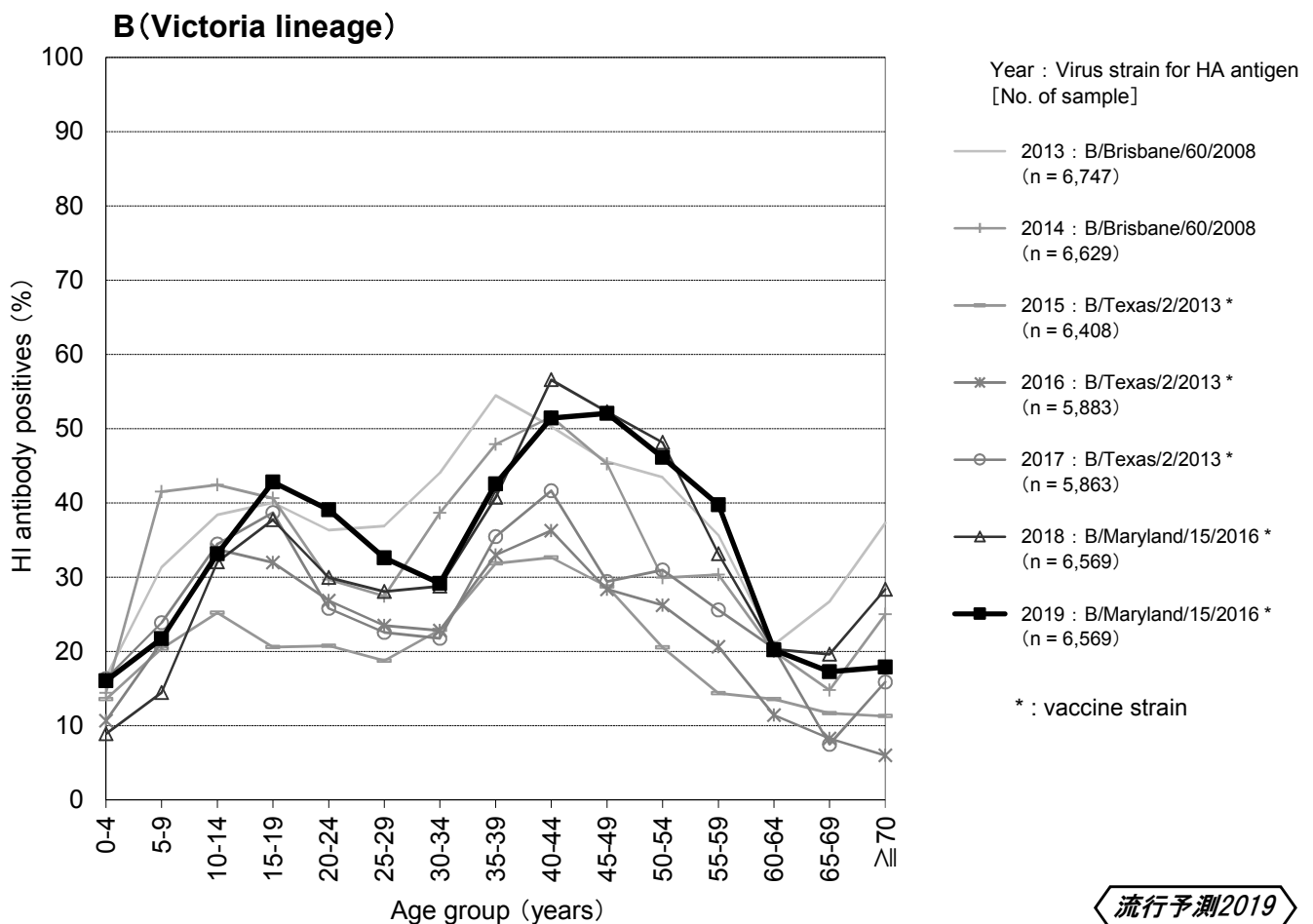
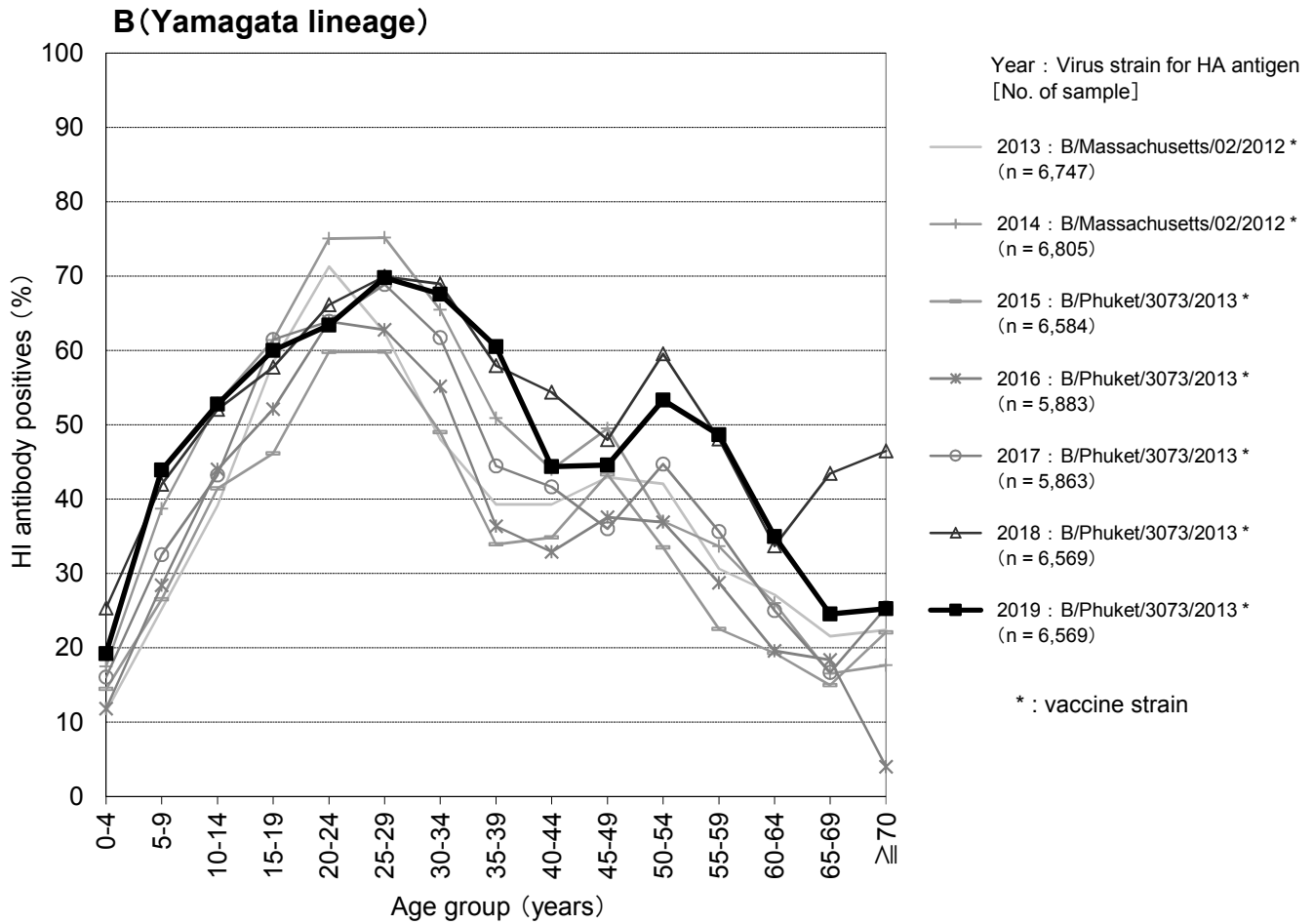
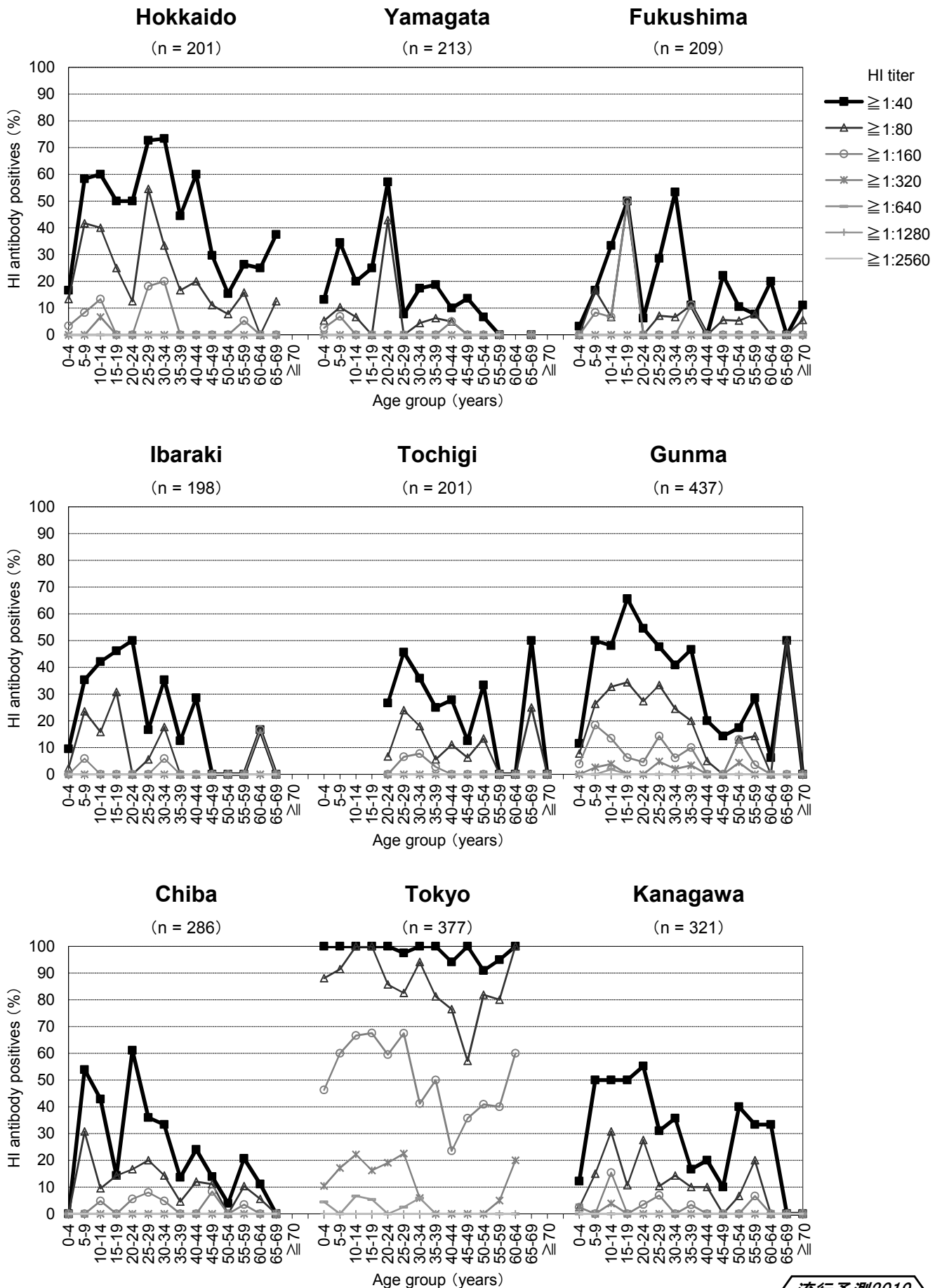


図4-1 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

A/Brisbane/02/2018 [A(H1N1)pdm09]



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図4-1 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

A/Brisbane/02/2018 [A(H1N1)pdm09]

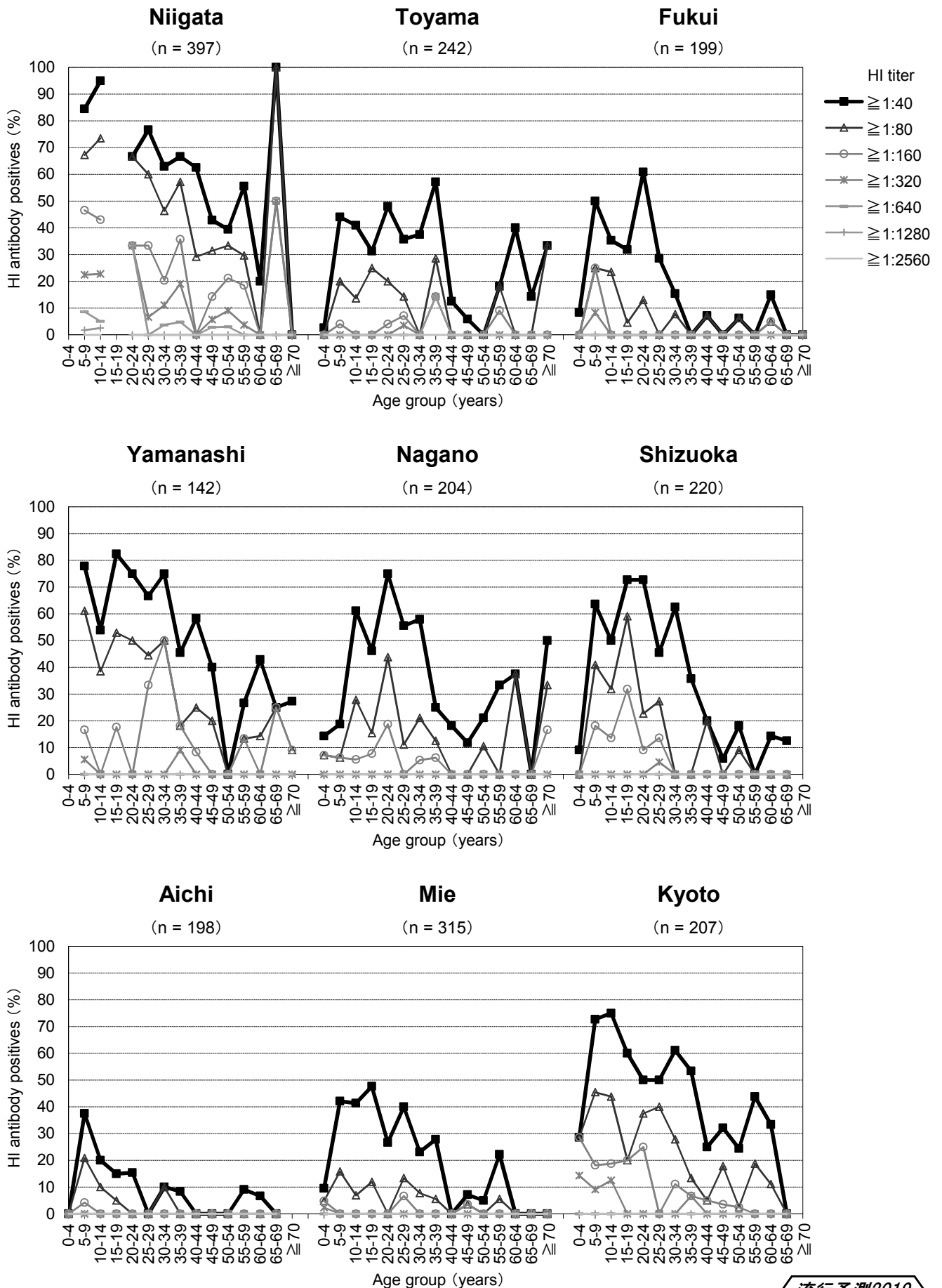


図4-1 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

A/Brisbane/02/2018 [A(H1N1)pdm09]

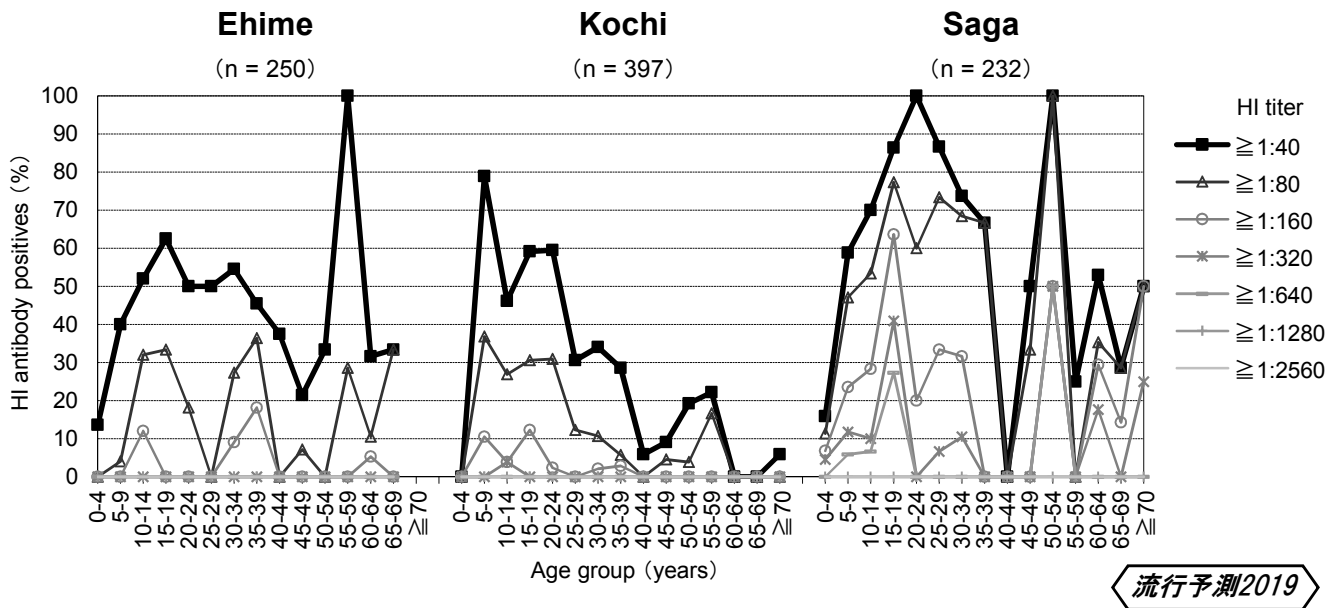


図4-2 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

A/Kansas/14/2017 [A(H3N2)]

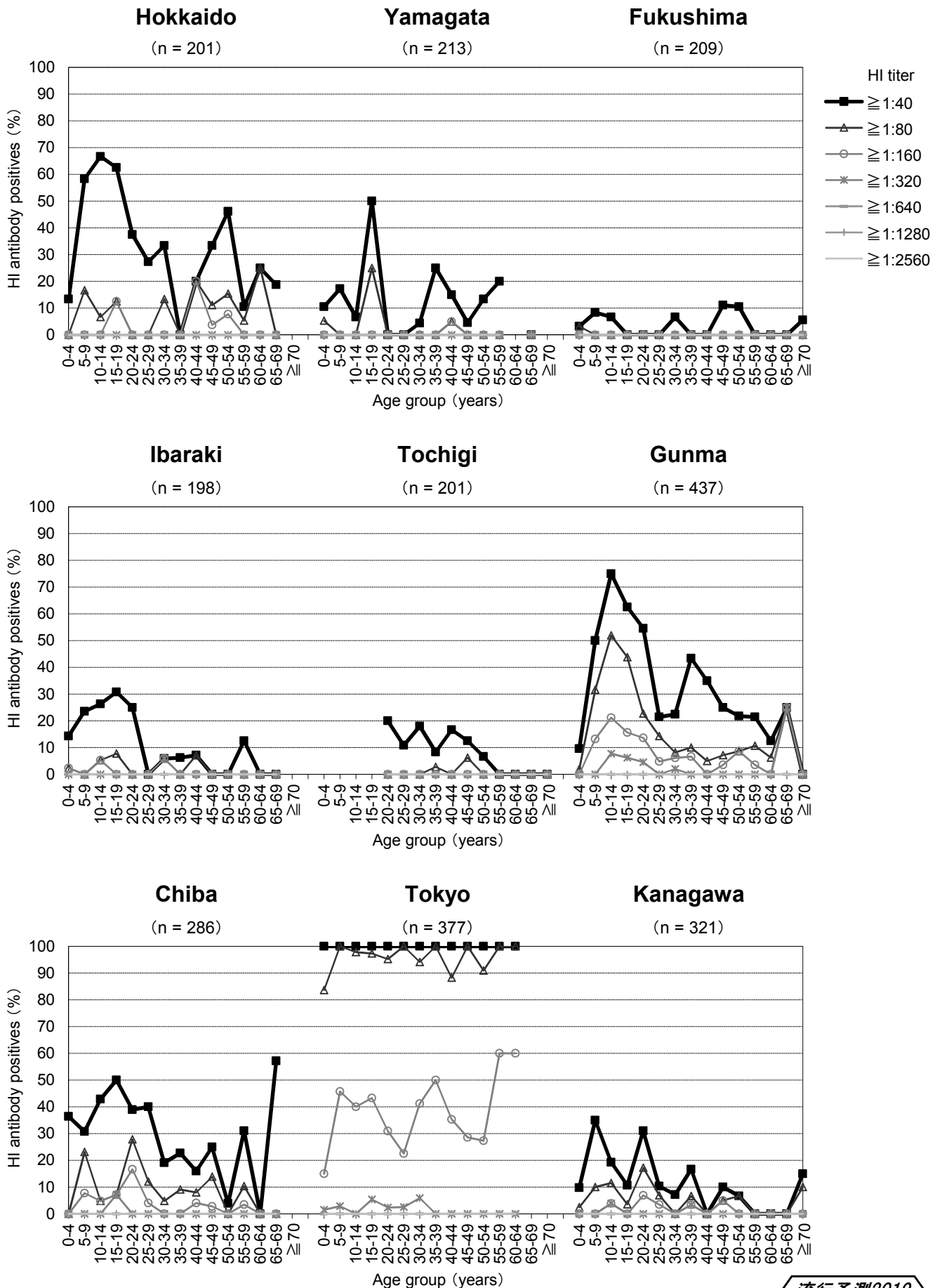


図4-2 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

A/Kansas/14/2017 [A(H3N2)]

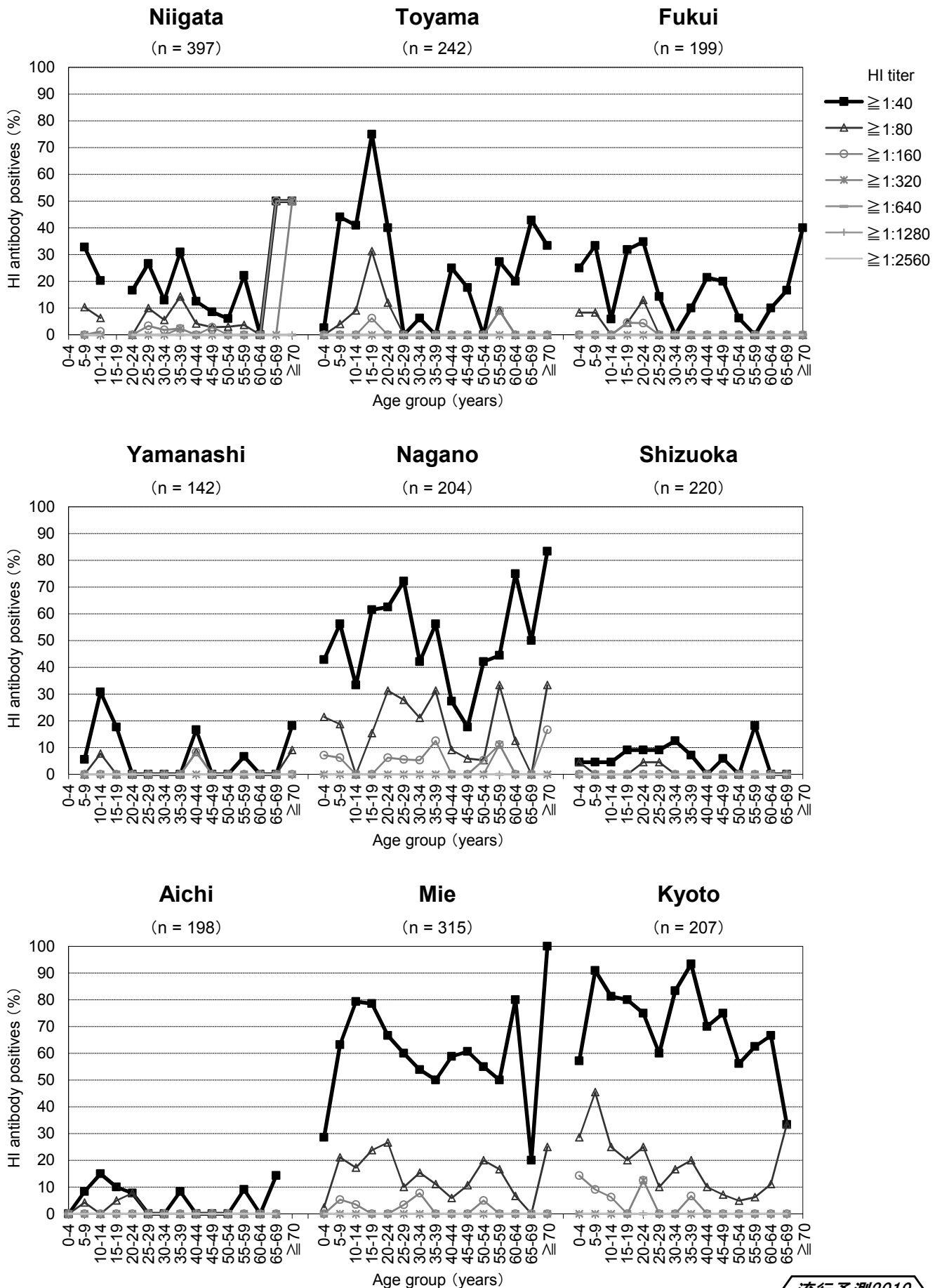


図4-2 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

A/Kansas/14/2017 [A(H3N2)]

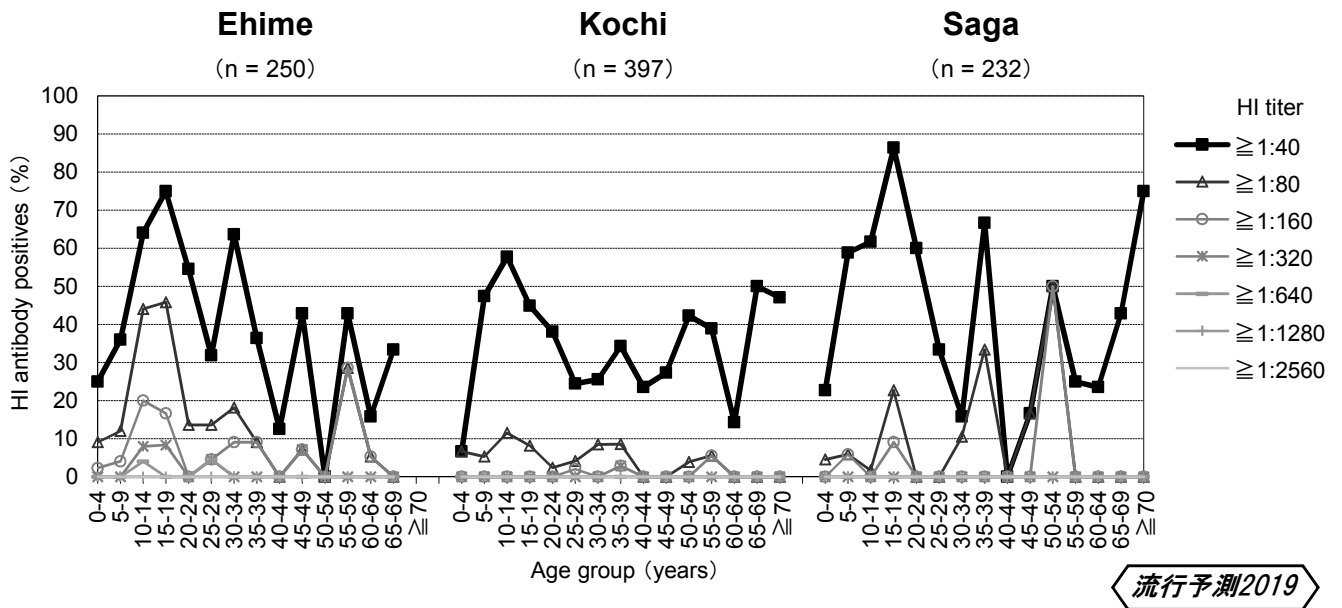
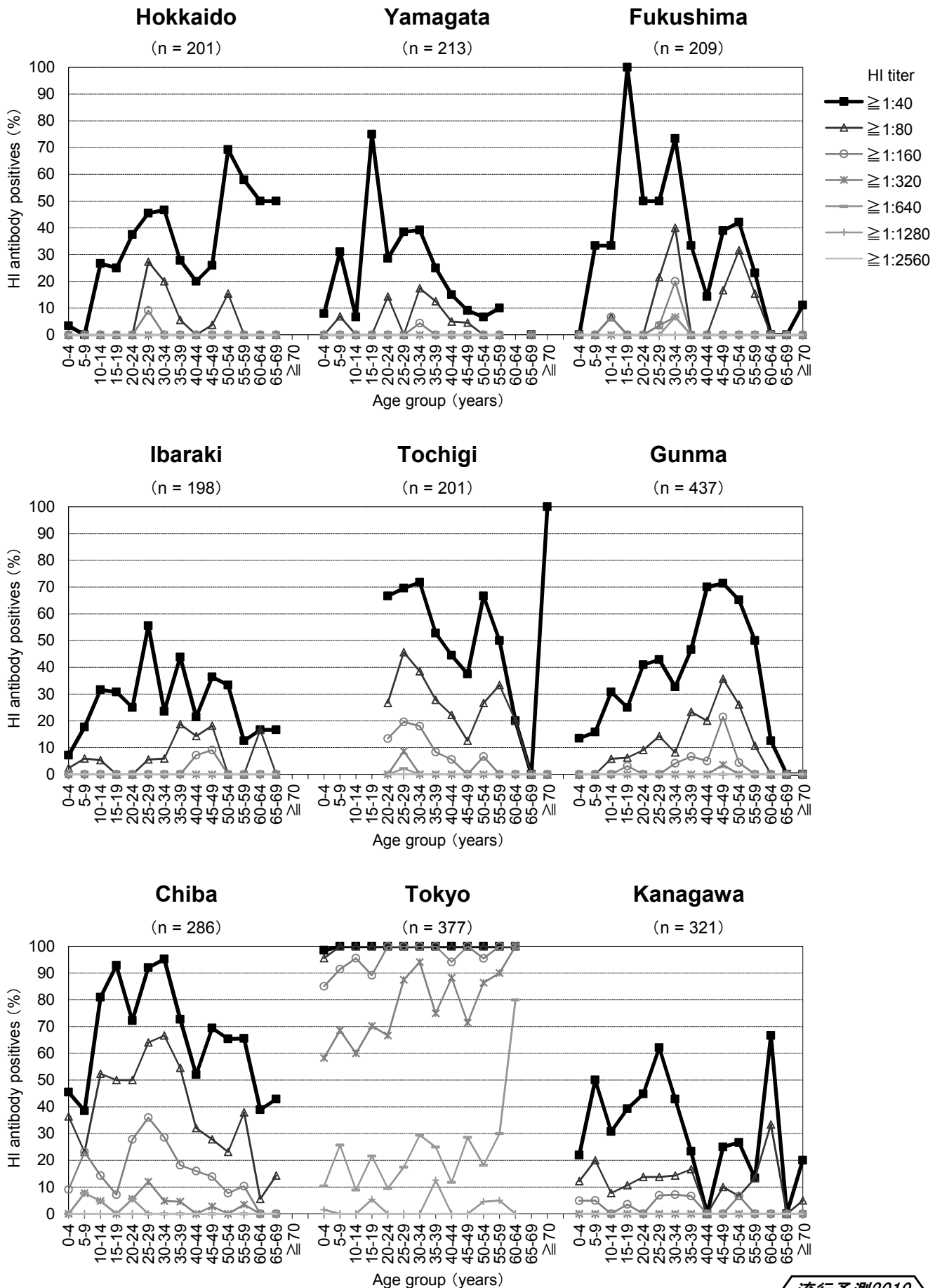


図4-3 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

B/Phuket/3073/2013 [B(Yamagata lineage)]

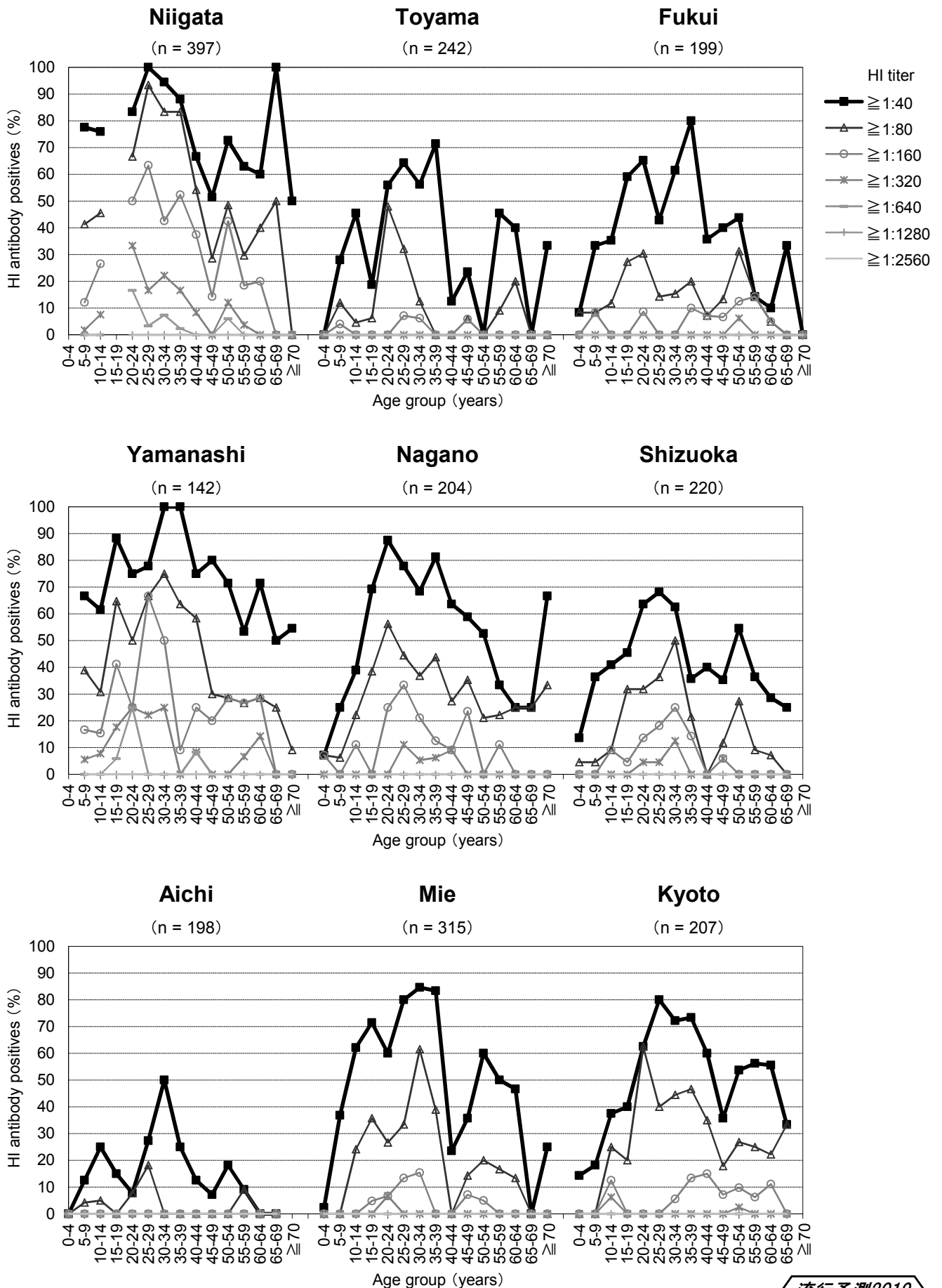


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図4-3 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

B/Phuket/3073/2013 [B(Yamagata lineage)]



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図4-3 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

B/Phuket/3073/2013 [B(Yamagata lineage)]

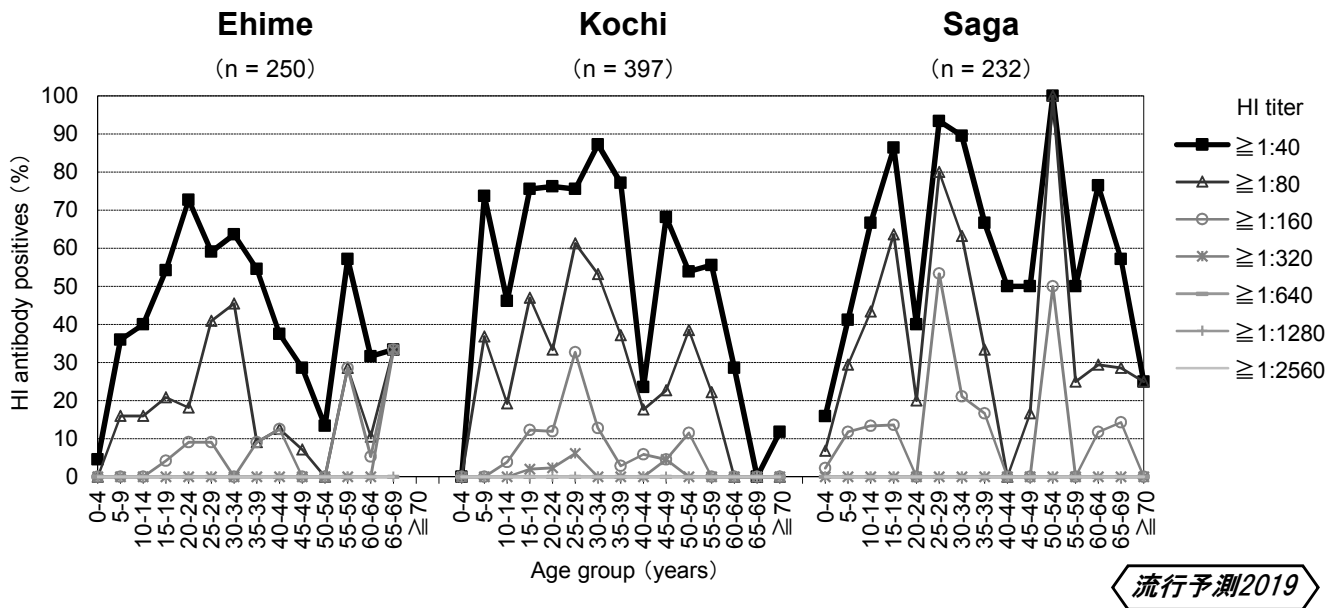
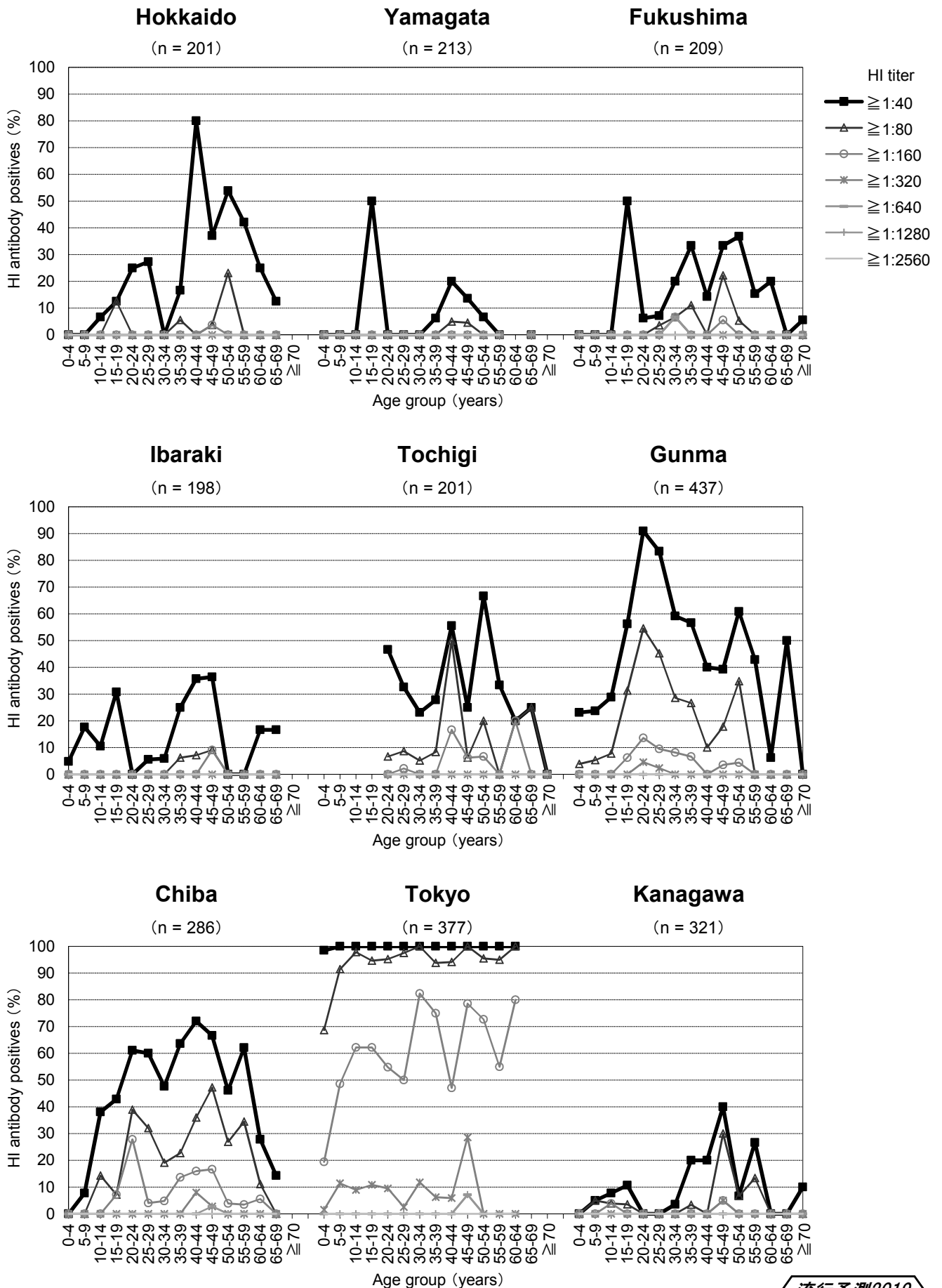


図4-4 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

B/Maryland/15/2016 [B(Victoria lineage)]

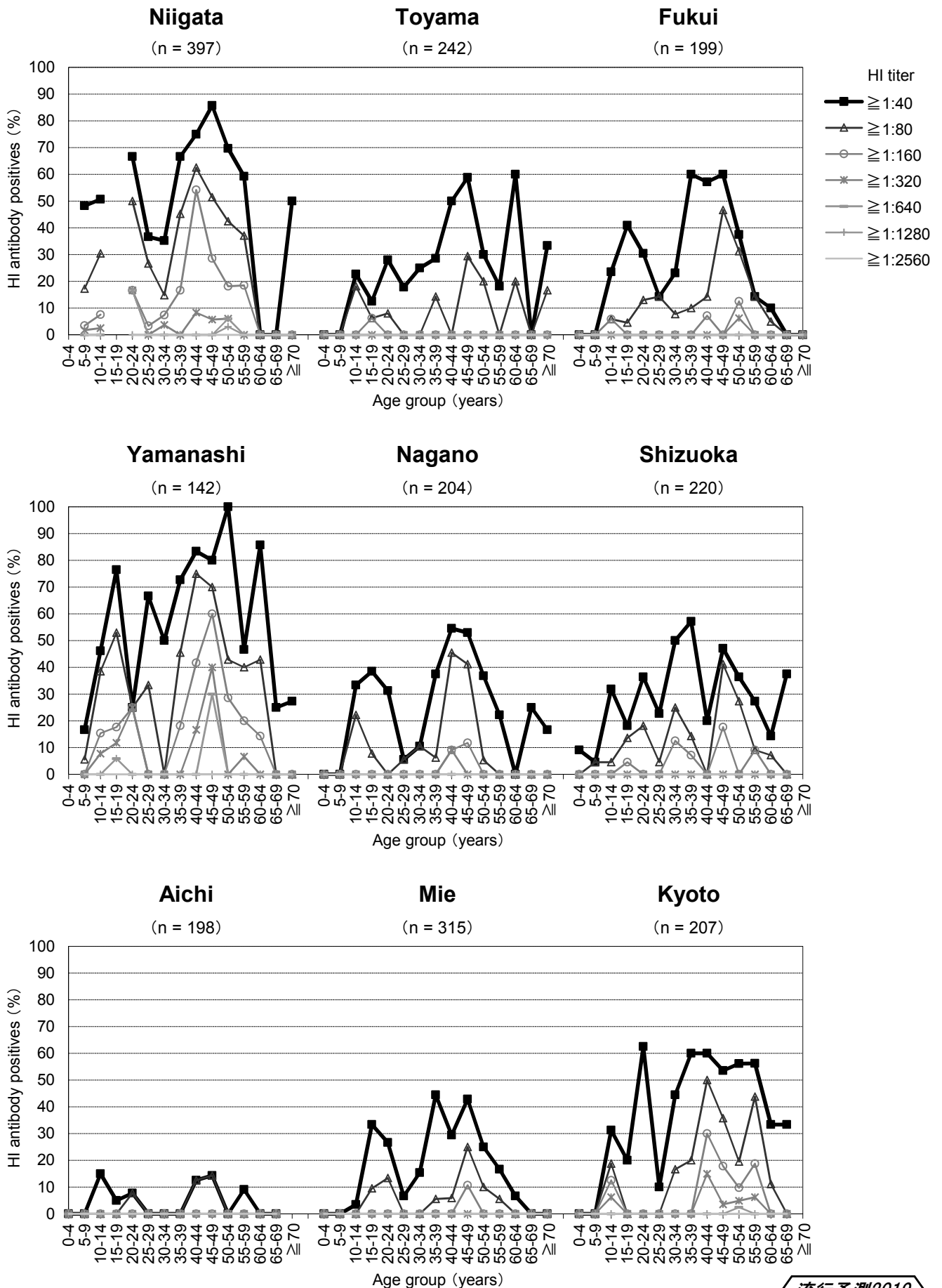


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図4-4 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

B/Maryland/15/2016 [B(Victoria lineage)]

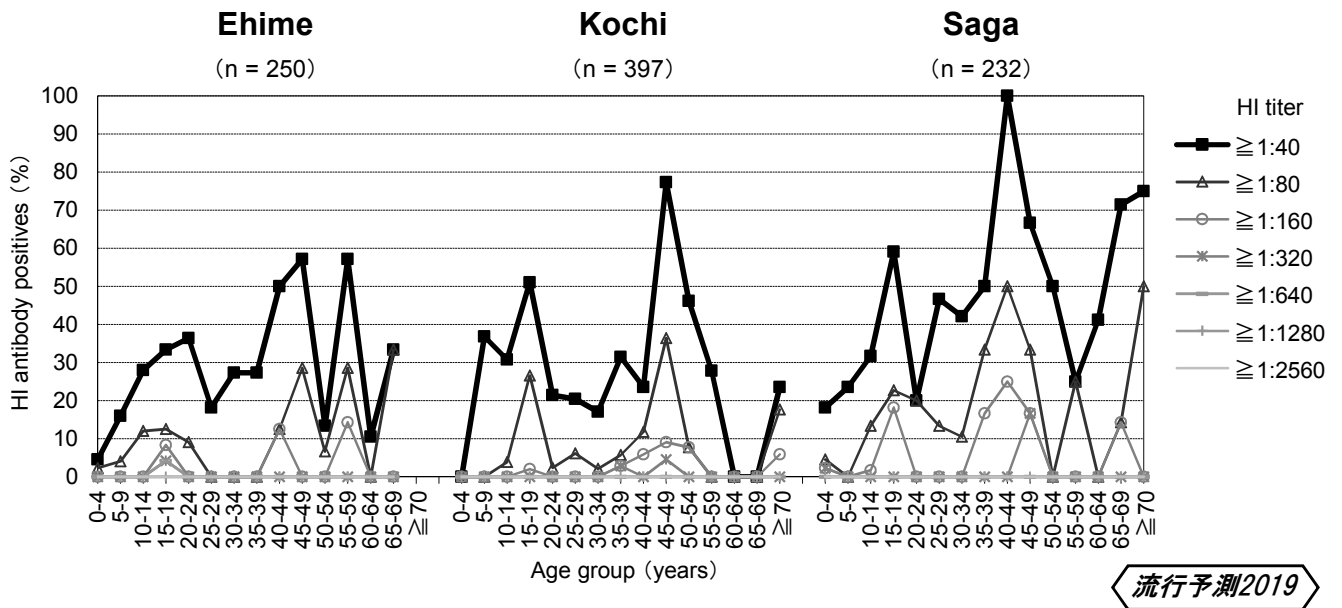


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図4-4 都道府県別インフルエンザHI抗体保有状況，2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives in each prefecture, 2019

B/Maryland/15/2016 [B(Victoria lineage)]



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図5 予防接種歴別インフルエンザHI抗体保有状況 (抗体価 \geq 1:40), 2019年

Age group distribution of influenza hemagglutination inhibition (HI) antibody positives (HI titer \geq 1:40) by vaccination history (previous season), 2019

