

厚生労働行政推進調査事業費補助金
政策科学総合研究事業（政策科学推進研究事業）

NDBをはじめとする医療ビッグデータを
利活用できる人材の裾野を広げるための研究

令和5年度～7年度 総合研究報告書

研究代表者 康永秀生

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NDBをはじめとする医療ビッグデータを利活用できる人材の裾野を広げるための研究
令和5-7年度総合研究報告書

研究代表者 康永秀生 東京大学大学院医学系研究科 教授
研究分担者 田宮菜奈子 筑波大学医学医療系/ヘルスサービス開発研究センター 教授
研究分担者 中山健夫 京都大学大学院医学研究科 教授
研究分担者 山名隼人 自治医科大学データサイエンスセンター 講師

研究要旨：

NDB・DPC等の大規模データ解析に精通した研究者を育成することは急務である。東京大学では、2023年度研究において、先行研究で開発した人材育成プログラムのコンテンツを大幅に更新・改善し、新たな「NDB・DPC等データベース研究人材育成セミナー」を開発した。2024年度研究において、2023年度研究でそれを実施し、評価を行った。2025年度には、特にSQLのハンズオンセミナーによる教育プログラムの検討、およびデータマネジメントに関するセミナーの改良プログラムを開発した。NDB、DPCなどの大規模データベースを用いた研究を継続的に実施し、英文原著論文が2023年は124編、2024年は113編、2025年は110編出版された。

京都大学では、2019年度より文部科学省が管轄する「関西広域・医療データ人材育成拠点形成事業」を開始しており、主コースである修士課程追加履修コースのほかに、民間向けに展開する2つのインテンシブコースを併設している。2023年度は本事業の成果を第43回医療情報学連合大会ワークショップ「未来を担う医療データ取扱人材の育成～関西広域医療データ人材教育拠点形成事業（KUEP-DHI）の取り組み～」で報告した。2024-2025年度においては、アカデミアにおける研究者養成とは異なる形式での保健医療介護ビッグデータ研究人材育成の可能性について課題と可能性について検討を進めた。

筑波大学では、医療・介護保険レセプトデータや公的データなどの医療ビッグデータを用いた研究を推し進め、特に博士課程・研修医・若手教員を対象にした人材育成に力を入れた。2023-2025年度を通じて、リアルワールドデータを用いた臨床医学・社会医学研究に関心を持つ医療者や若手教員を対象に医学教育を行い、研究者の裾野を広げ、本事業の目標である幅広い医療ビッグデータ研究にかかわる人材育成に貢献することができた。

自治医科大学では、2023・2024年度に、自治体職員など様々な利活用者と目的に合わせたプログラムの改良点を検討し、今後求められる新規データの検討と更なる利活用のための基盤強化を実施した。医療ビッグデータハンドリング教育プログラムを開発し、臨床疫学研究に加えて地域医療分析にも活用の幅を広げてきた。2025年度ではこの教育プログラムを継続して実施することで、臨床疫学研究を通じた更なるエビデンス創出と、地域医療分析による医療政策への貢献を実現した。また、新たに自治体や医療機関のデータを追加し、更なる利活用のための基盤を強化した。

A. 研究目的

近年、保健医療介護のリアルワールドデータを収集した大規模データベース研究が拡大している。

平成23年度から「レセプト情報・特定健診等情報データベース（令和5年から匿名医療保険等関連情報データベースと呼称）」（以下、NDB）の研究者への第三者提供が始まり、令和元年度からNDBオンサイトリサーチセンター（以下、ORC）が一般開放された。令和2年度から第三者提供が法制化され、民間事業者等への提供も可能となった。令和3年度には提供情報の範囲が拡大され、さらにNDBのリプレース及びNDBデータ等をクラウド上で解析できる「医療・介護データ等の連結解析基盤」（以下、HIC）の開発が進められた。令和4年度からORCのクラウド化、HICの試行的利用が開始された。このように、保健医療介護データベース研究の素地は整いつつある。

NDB等のデータベースの利活用を推進する上で、保健医療介護の実態を理解し、なおかつデータ解析に精通した研究者を育成することは喫緊の課題である。そのために、臨床医学・疫学・統計学の知識に加えて、データベースに関連する知識や技能の教育が必須である。

データベース研究に精通した研究者は、本研究班のこれまでの取り組みによって徐々に増加している。医学系研究者を中心にNDB利用者は徐々に増加しつつある。しかし民間事業者や医療政策担当者によるNDB

利用はいまだ極めて限定的である。NDB利用者の裾野を広げるための人材育成が引き続き求められている。

保健医療介護の実態を理解し、なおかつデータ解析に精通した研究者を育成することは喫緊の課題である。そのために、臨床医学・疫学・統計学の知識に加えて、データベースに関連する知識や技能の教育が必須である。

1. ビッグデータ研究実践能力およびデータハンドリング技術養成プログラムの実践（東京大学）

（1）人材育成プログラム

東京大学では、NDB・DPC等の医療ビッグデータの解析に精通した研究者を育成するための教育プログラム開発等を行ってきた。

2023年度

先行研究にて開発された人材育成プログラムを改良し、NDB・DPC等データベース研究人材育成セミナーのプログラムを開発した。

2024年度

上記を用いて、令和6年度にはセミナーをWebで実施し、参加者によるプログラム評価も実施した。

2025年度

2024年度の評価結果を参考に、特にSQLのハンズオンセミナーによる教育プログラムの検討、およびデータマネジメントに関するセミナーの改良プログラムを開発した。

（２）大規模データベース研究の実践

人材育成セミナーでの教育を活かして、多数の研究者によるデータベース研究を推進し、これまで通り論文実績を積み重ねていくことも目的とした。

２．NDB データ研究の実践と人材育成プログラム開発・検証（京都大学）

京都大学では、大学院課程における研究者養成とは異なる、企業の勤務者等社会人を対象とする保健医療介護ビッグデータ研究人材育成プログラムの可能性と課題を検討した。

３．医療・介護データ活用による研究・人材育成（筑波大学）

リアルワールドデータの有効活用に基づく evidence based policy making (EBPM) の重要性が広く一般世間・社会に認識されるようになってきた。この時に重要なことは、時間と研究意欲に溢れる若手研究者が、経験・実績の豊富な指導者の下で、素早くデータを解析し、報告書や論文を執筆して世に発信することである。そのような教育体制・環境を日頃から構築することが重要である。

筑波大学では、これらの取り組みが加速でき、医学部生・博士課程生・若手教員が実際に学会発表の成果をあげることができた。また本研究班の取り組みから得た人材育成の知見に基づき、本研究班の協力研究者である教員が教育的な英語論文を執筆する機会も得ることができた。

４．NDB をはじめとする医療ビッグデータを利活用できる人材の裾野を広げるための研究（自治医科大学）

自治医科大学では、Diagnosis Procedure Combination (DPC) データやレセプトデータ等を活用する際に必要なデータハンドリング技術および統計解析の習得を目指す教育プログラムを開発した。また、研究分担者は主に栃木県のデータにこの教育プログラムを適用して臨床疫学研究を実施し、様々なエビデンスを創出してきた。これに加えて、医療ビッグデータを利活用する場面として新たに医療政策の立案に着目し、2023-2024 年度は栃木県の医療政策に関わる職員を想定して教育プログラムの検討を実施し、解析ソフトウェアの種類やデータ可視化のためのビジネスインテリジェンスツールの活用など、データ、目的および利活用者に応じた様々な改善点が挙げられた。

医療ビッグデータの活用が有用な臨床疫学研究のテーマは尽きず、新しい地域医療構想の策定など医療政策分野への活用のニーズも今後ますます増加していくと考えられる。一方、2024 年度までの本研究から、既存のデータの限界も明らかになった。それに伴い、新たに利活用の推進を検討するデータとして

- 栃木県以外の自治体のデータ
- 検査値等の臨床情報を含むデータ

が挙げられた。

2025 年度では、これまでに開発した医療ビッグデータ活用のための教育プログラム

を継続して実施し、臨床疫学研究を通じた更なるエビデンス創出、および地域医療分析による医療政策への貢献を図った。また、新たなデータを検討し、今後の利活用を見据えてデータと利活用に合わせた教育プログラムの改善点を探ることとした。

B. 研究方法

1. ビッグデータ研究実践能力およびデータハンドリング技術養成プログラムの実践（東京大学）

（1）人材育成プログラム

2023 年度

先行研究において開発した人材育成プログラムをベースに、新たに「NDB・DPC 等データベース研究人材育成セミナー」のコンテンツを開発した。これには、ビッグデータ研究実践能力養成プログラムおよびビッグデータハンドリング技術養成プログラムが含まれる。

ビッグデータ研究実践能力養成プログラムは、日常臨床からクリニカル・クエスションを紡ぎ出し、検証可能なリサーチ・クエスションに構造化し、既存のビッグデータを用いてリサーチ・クエスションを解き明かす臨床研究・疫学研究・ヘルスサービスリサーチの実践能力を養成するプログラムである。

ビッグデータハンドリング技術養成プログラムは、テラバイト級のデータベースから個別の研究目的に沿うデータセットを抽出するデータハンドリング技術、膨

大なテキストデータを含む大規模かつ複雑な構造のデータを研究用の扱いやすいデータベースに再構築するなどのデータベースマネジメント技術を養成するプログラムである。

2024 年度

令和 6 年度にオンラインによるセミナーを実践し、その評価を行った。

日本臨床疫学会の協力のもと、2024 年 9 月 25 日（水）－9 月 27 日（金）にオンラインによる参加型講義（3 日間、50 分×18 コマ）を行い、受講後の理解度および満足度調査を行った。

受講対象は保健医療介護ビッグデータ研究に興味のある方とし、これまでの主な対象である医療・介護従事者、大学・研究機関に所属する研究者の他に、企業に所属する者、自治体等の医療政策の担当者にも門戸を広げた。

講義のテーマは以下の通り。

- ①NDB・DPC 等公的データベースの動向
- ②NDB のデータ申請とオンサイトセンターの利用
- ③NDB 研究のデザインと実践
- ④DPC データ研究のデザインと実践
- ⑤DeSC データ研究のデザインと実践
- ⑥JMDC データ研究のデザインと実践
- ⑦疫学・統計の応用 (1) 傾向スコア分析の応用
- ⑧疫学・統計の応用 (2) 操作変数法, 差の差分析, 回帰分断デザイン
- ⑨疫学・統計の応用 (3) 多重代入法

- ⑩疫学・統計の応用(4)薬剤疫学研究のデザイン
- ⑪民間企業によるリアルワールドデータ利活用
- ⑫自治体によるリアルワールドデータ利活用
- ⑬疫学・統計の応用(5)自己対照研究デザイン
- ⑭疫学・統計の応用(6)時間依存性交絡
- ⑮疫学・統計の応用(7)機械学習・深層学習
- ⑰SQLの活用：基礎編
- ⑱SQLの活用：中級編
- ⑲SQLの活用：上級編

各講義の後に無記名アンケートを実施した。各講義のアンケートに回答すると、各講義資料のpdfがダウンロード可能になる、というインセンティブを与えた。ウェビナーの録画は、厚生労働省のホームページにて2025年度に公開し、オンデマンド配信した。

2025年度

2024年度に実施したプログラム評価において、概ね高評価を得られたものの、SQLに関しては講義のみでは理解が十分に達成できないとの意見が散見された。また、データマネジメントに関する講義が不足していた。これらを受けて、2025年度においては、SQLのコンテンツ改良、およびデータマネジメントに関するセミナーの改良プログラム開発に取り組んだ。

(1)SQLのコンテンツ改良

NDBは膨大で複雑な構造をもつデータから成り立っており、臨床疫学研究に活用するには、リレーショナルデータベースを自在に扱うための言語であるSQLの理解が欠かせない。しかし、多くのSQL解説書は技術者向けであり、医療データ特有の構造や研究設計に寄り添ったものはほとんどない。そこで、本研究班の研究協力者である岡田啓および大野幸子を中心となり、NDBをはじめとするデータベースの研究利用に特化したSQLの技術を整理し、その内容を一冊の教本にまとめて上梓した（超入門！リアルワールドデータ×SQL×臨床研究分析：サンプルデータとスクリプトでらくらくマスター．康永秀生（監修），大野幸子（著），岡田啓（著）．金芳堂．2026/4/3刊行）。

(2)データマネジメントに関するセミナー
臨床疫学研究に関連する情報管理の実践を学ぶとともに、大規模データベースから目的にあった標準データセットを抽出するプロセスを理解し、それを新たに設計することを習得するセミナーを開発した。

(2)大規模データベース研究の実践

先行研究における人材育成プログラム受講者をはじめ、多施設から多くの研究者と共同研究体制を構築し、NDB,DPC等のデータベースを用いた臨床研究、疫学研究、医療経済・政策研究、ヘルスサービスリサーチを継続的に実施した。

2. NDB データ研究の実践と人材育成プログラム開発・検証（京都大学）

京都大学は2019年度より文部科学省の助成を受け、関西広域の計13大学とコンソーシアムを構築して「関西広域・医療データ人材育成拠点形成事業（Kansai Union / Kyoto University Education Program for Digital Health Innovation: KUEP-DHI. 責任者：黒田知宏・京都大学医学部附属病院医療情報企画部教授）」に取り組んでいる。本事業は医療現場から大規模に収集される多様なデータの利活用を推進し、質の高い医療を実現するため、医療データの活用基盤を構築・運営する人材、医療データを利活用できる人材を育成することを目指すものである。KUEP-DHIの根幹は、大学院生（主に修士学生）を対象とした「医療データ取扱専門家育成コース」であり、京都大学大学院医学研究科と同大学院情報学研究科に追加履修コースとして設置されている。次世代医療基盤法や保健医療データプラットフォームに蓄積されるデータを活用し、医療データサイエンスの国際的牽引役を担えるよう本邦の医療データサイエンスを発展させるために、医療データが生まれてから活用されるまでの情報流の始点から終点までを確実に支え、正しく統制できる人材を育成することを目指している。

本研究は同事業の一環として実施されている2つの社会人向けインテンシブコースの運営経験に基づく事例検討である。

3. 医療・介護データ活用による研究・人材育成（筑波大学）

医療・介護保険レセプトデータ活用による研究・人材育成をすすめた。若手研究者による医療・介護ビッグデータ活用による学会発表等を支援した。

4. NDBをはじめとする医療ビッグデータを利活用できる人材の裾野を広げるための研究（自治医科大学）

2023 年度

既存のビッグデータハンドリング教育プログラムのうち、改良が期待される内容についてヒアリングを行い、継続して重視すべき項目や、追加・修正が必要な事項について検討した。

利活用者のニーズを踏まえ、今後取得を目指すデータについて検討し、利活用を更に進めるために必要なインフラ面の強化を検討した。

2024 年度

(1) 臨床疫学研究

自治医科大学データサイエンスセンターにおいて、若手臨床医を中心とした研究者を対象として既存のデータと教育プログラムを引き続き提供することで、医療ビッグデータを用いた臨床疫学研究を更に発展させた。

(2) 医療政策のためのデータ利活用

医療ビッグデータの利活用に長けた研究者と自治体職員（栃木県職員）のチームに対して教育プログラムを応用すること

で、医療・介護データで実施可能な分析を行った。分析のデザイン検討からデータの切り出し、データセット作成、解析ソフトウェアまたはビジネスインテリジェンスツールによる分析と可視化を実施した。また、利活用に適したデータ構造や可視化の方法について検討を行うとともに、対象者に合わせた教育プログラムの改善点について検討した。

(3) 各種データの整備

自治体関係者の協力を得て、栃木県の医療・介護レセプトデータに関して、対象市町を増加させ期間を更新した。また、2023年度までのニーズ調査を踏まえ、その他の医療ビッグデータや周辺データの入手を進めた。これらのデータをデータベース化し、多様な医療ビッグデータの利活用を進めるための基盤を強化した。

(4) 今後のデータおよび利活用者の検討

(1)-(3)を踏まえ、今後活用を目指すデータについて検討するとともに、医療ビッグデータを利活用できる人材の裾野を広げるべく、自治体職員を中心として新たな利活用者の開拓を行った。

2025 年度

(1) 臨床疫学研究

自治医科大学において、大学に勤務する若手臨床医を中心とした研究者に対してデータと教育プログラムを引き続き提供した。また、東京大学との間のVPNアクセスによる相互にデータ解析が可能な環境を

強化し、共同で研究を行った。

(2) 地域医療分析

研究分担者が自治体職員と共同で DPC データや医療・介護レセプトデータを用いた分析を行うとともに、医療ビッグデータ分析の経験がある複数の若手研究者をチームに加え、人材育成を図った。分析デザインの検討、データの切り出し、データセットの作成、および解析ソフトウェアまたはビジネスインテリジェンスツールによる分析と可視化を実施した。また、目的と利用者に適したデータ構造等について、引き続き検討を行った。

(3) 自治体データの検討

自治体関係者の協力を得て、栃木県のデータに関して対象期間と種類を更新した。また、研究協力者と共同で、佐賀県においてレセプトデータの入手を進めた。多様な医療ビッグデータの利活用を進めるための基盤を強化するとともに、新たな利活用者の開拓を行った。

(4) 病院データの検討

国立病院機構は全国の施設でデータの標準化と収集を進めている。DPC データやレセプトデータに加えて検査値など豊富なデータを含むデータベースが存在する。しかし、このデータを活用できる人材は不足しており、一般病院に勤務する臨床医が個々のクリニカル・クエスチョンに応じて分析を行うのは困難である。そこで本研究では国立病院機構の各施設から研究協力者を募り、研究案の検討とデータ収集を進めると

ともに、新たなデータや利活用者に応じたデータハンドリング教育等について検討した。

病院には詳細なデータが存在するものの、縦断的なレセプトデータとの連結はこれまで困難であった。しかし、次世代医療基盤法により、病院由来のデータと NDB との個人単位での突合が可能になった。同法に基づきデータ提供を開始した琉球大学の研究協力者と共同で、データと今後の人材育成の方法について検討を進めた。

C. 研究結果

1. ビッグデータ研究実践能力およびデータハンドリング技術養成プログラムの実践 (東京大学)

(1) 人材育成プログラム

2023 年度

先行研究では撮影済みの動画のオンデマンド配信形式であったところ、今回はウェビナー形式の講義とし、さらにウェビナーの録画をオンデマンド配信することとした。受講対象は保健医療介護ビッグデータ研究に興味のある方とし、これまでの主な対象である医療・介護従事者、大学・研究機関に所属する研究者の他に、企業に所属する者、自治体等の医療政策の担当者にも門戸を広げた。

2024 年度

参加者は 843 名であった。参加者の年齢分

布では、30-40 歳代が 3 分の 2 を占めた。所属別分布は、アカデミアが 46%、企業に所属する者が 32%、その他が 22%であった。全体の満足度は 89.7%であった。

「NDB・DPC 等公的データベースの動向」においては、「第一線でご活躍の著名な先生から、最新の動向を学べて良かったです。」「厚労省の資料からでは読み取りにくいため、説明していただき助かりました。」

「NDB の全体像を非常に明確に理解できました。特に最近の動向はキャッチアップが大変だったため、ありがたいです。」などのコメントがあった。

「民間企業によるリアルワールドデータ利活用」では、「民間企業での RWD の利活用を網羅的にご講演いただいたので、大変勉強になりました。」「医薬品の製造販売後調査、医療経済評価、外部対照としての利用等、企業単独あるいはアカデミアとの共同研究での RWD 利用に関する潮流について学ぶことができた。」「企業に所属しており、どのように企業活動でリアルワールドデータを活用していけば良いか悩んでおりましたので、本日の講義でヒントが頂けてありがたかったです。」などのコメントがあった。

「SQL の活用：上級編」では、「NDB データの ID 構造、データ構造について理解が深まりました。」「NDB データの処理の大変さがわかりました。」「NDB 利用を想定した SQL のハンドリングが経験できるサイトの提供等があり、大変貴重な学びの機会となった」などのコメントがあった。

「自治体によるリアルワールドデータ活用」では、「これまで自治体によるリアルワールドデータの利活用例を知る機会があまりなかったため、大変勉強になりました。」「医療政策に対する自治体の悩みや、今後の展望・可能性が分かりよかったです。」「現在まさに自治体からデータ分析を請け負っているところで、分析計画を立てていたのが非常に参考になりました。」などのコメントがあった。

2025 年度

SQL のコンテンツ改良、およびデータマネジメントに関するセミナーの改良プログラム開発を行った。

(1)SQL のコンテンツ改良

SQL のコンテンツにおいては、リアルワールドデータの基本概念からデータベースの仕組み、SQL Server の導入、主要構文の理解、さらに横断研究・コホート研究・薬剤疫学研究ごとの具体的なクエリ作成まで段階に応じて、前掲の教本に沿って実践できるプログラムを開発中である。その主要なコンテンツは下記の通りである。

NDB/DPC 等人材育成セミナー

SQL セミナー（初級・中級編） 2026 年度版・概要

1. レセプトデータ

1.1 レセプトデータの構造

1.2 収集元別レセプトデータの概要

1.3 レセプトデータの妥当性

1.4 レセプトデータの欠測

2. SQL の概略

2.1 リアルワールドデータ研究における SQL の立ち位置

2.2 データとデータベース

2.3 データベースの構造としてのリレーショナルデータベース

2.4 リレーショナルデータベース管理システムとクライアントツール

2.5 SQL SERVER とそのクライアントツールのインストール

2.6 SQL SERVER を用いたデータの取り込み

3. SQL の基本構文

3.1 基本的な SQL の知識

3.2 SQL の基本コマンド

3.3 テーブル作成演習

4. 横断研究のための SQL 構文

4.1 リサーチクエスションからのクエリ作成計画の策定

4.2 実際のクエリ作成

5 コホート研究のための SQL 構文

5.1 リサーチクエスションからのクエリ作成計画の策定

5.2 実際のクエリ作成

6 薬剤疫学研究のための SQL 構文

6.1 リサーチクエスションからのクエリ作成計画の策定

6.2 実際のクエリ作成

なお、SQL（上級編）は 2024 年度版をベースに、Web で完結できる演習を追加した改良版を作成し、2026 年度にコンテンツ

を完成させる見込みである。

(2) データマネジメントに関するセミナーコンテンツには以下を含めた。

(i) 臨床疫学研究に関連する情報管理
情報管理に必要な CIA、すなわち Confidentiality（守秘性、機密性）、Integrity（完全性）、Availability（可用性）の概念を理解し、研究のアウトプットの長期的最大化を目指して可用性を損なわないように守秘性と完全性を高める情報管理の方法を学ぶ。

(ii) 標準データセットの抽出プロセス
システム構築、ユーザー認証、データのバックアップ、などについて学ぶ。

実際の事例に基づいて、データベースからのデータ抽出のプロセスを学ぶ。

(iii) データセット抽出プロセスの設計
データの個人レベルでの時系列化、データハンドリングプロセスの標準化、クエリ設計、解析単位の整理、デザインダイアグラム、マスター整備、等について学ぶ。

（２）大規模データベース研究の実践

過去の受講生のうち希望者に対して実際の研究計画やデータ分析の支援を行い、論文執筆等につなげた。

研究代表者と各分担者はそれぞれの施設において多数の研究協力者を率い、人材育成プログラムのノウハウを生かして、NDB データ、介護データ、DPC データ等を用いた研究を継続的に実施し、2023

年の 124 編、2024 年の 113 編につづいて、2025 年に 110 編の研究論文を出版した。

2. NDB データ研究の実践と人材育成プログラム開発・検証（京都大学）

KUEP-DHI では大学院生という立場に依らず、企業の勤務者等、社会人を想定して次の 2 種類のインテンシブコースを提供している。

（１）DHIEP Program（ディープ プログラム、責任者：奥野恭史・京都大学大学院医学研究科ビッグデータ医科学教授）

Data-driven Healthcare Innovation Evangelist Promotion Program は、分析だけを請け負う従来型データサイエンティストではなく、ライフサイエンス・ヘルスケア領域に深い造詣を有し、社会変革を実現しうる人材育成を目指すプログラム。対象は医療データの利活用を志す個人であり、個人参加、登録等も個人で行う。出願資格は大卒資格を有する者で、ライフサイエンス・IT 関連企業に所属する者及び今後当該領域に参入を検討している者、医療従事者、地方自治体職員、規制当局関係者、大学院生など定員は 20 名。カリキュラムの修業期間は半年間であり、大きく経営・社会変革、医学・生命科学、情報・データサイエンスの 3 領域で基礎知識を e-learning で学び、必修科目 45 時間（プレゼンテーション・コミュニケーション、環境・市場理解、ビジネスモデリング、デザインシンキング、チェンジマ

ネジメント、医療情報倫理学、バイオインフォマティクス、可視化、AI・機械学習など)、選択科目 21 時間 (ゲノム医療、IT 創薬、ライフサイエンスデータベース、時系列分析、テキストマイニング、ベイジアンネットワーク等)、実習 (必修) 20 時間 (医療データから患者を層別化し、診断アプローチを提案、既存データベースを活用して分子標的探索を行い現状プロセスの改善点を提案、電子カルテの副作用情報を用いたドラッグリポジショニングの探索、ライフログと医療データを用いた生活の中からの医療シーズの発見等) で構成されている。修了要件は、合計 60 時間以上の履修と各科目評価での合格 (修了要件を満たせば、履修証明書が授与される)。受講料は社会人が 50 万円 (税抜)、大学官公庁等の職員と大学院生は無料である。

(2) 医療データ人材育成拠点形成事業ビジネス特化型インテンシブコース Kansai Union / Kyoto University Education Program for Digital Health Innovation directly on themes of business (KUEP-DHI dot.b. 運営委員長: 中山健夫・京都大学大学院医学研究科社会健康医学系専攻健康情報学教授): 民間 (企業) のニーズを踏まえつつ、医療データの活用に造詣のある人材を育成していくことを目的とするプログラム。対象は医療データ利活用に造詣のあるスタッフを確保したい企業であり、個人参加ではあるが、契約は企業-大学間で締結する。

育成する人材像は参加者が所定のプログ

ラムを終えられた後には、各企業に戻り、医療データを企業内で有効かつ安全に利用する方針を立案したり、使用できるデータを適切に活用したりすることで有用な商品やビジネス等の開発に繋げ、社会に貢献できる人材を想定。到達目標は次の通りである。

- ・医療データを活用するための知識を系統立てて理解し、応用できる。

- ・医療データの活用に必要な現場感覚をもとに、医療データを分析して結果を解釈できる。

プログラムの内容は、dot.b 独自の講義、大学院の既存科目については科目等履修制度の活用、文献抄読、分析実習、臨床講義・実習、グループ演習で構成されている。分析実習では NDB オープンデータ等を用いた R、SQL 等の利用、グループ演習では、NDB 申出の練習や実際の NDB サンプルデータセットを用いた分析を実施している。また臨床講義・実習では、電子カルテ入力体験により、電子カルテの自習環境の操作、電子カルテのインターフェイスの理解、予め提示された模擬患者に対し、医師になったつもりでのカルテ記入等を通して、入力されるデータの背景とリアリティを実感できる機会を提供している。グループ演習では、EBM の PECO (patient, exposure, comparison, outcome) 形式を学び、構造化された研究計画を立ててデータを抽出し分析するという、データベース研究の一連のプロセスを提供している。dot.b プログラムは、参加者個人と契約を行うのでは

なく、まず本プログラムの趣旨に賛同する企業を募り、大学と有償の共同研究契約を締結する。そして各企業内で参加の該当者を選定し、プログラムに派遣する。参加者は京都大学と各企業の共同研究のプロジェクト研究員として、プログラム参加期間中は、京都大学での立場を持つことができ、京都大学の各種リソースを一定の条件で利用できる。

コースは 2020 年度から開始され、2020 年度には 6 社・9 名、2021 年度は 3 社・4 名、2022 年度は 7 社・8 名が参加した。2023 年度はコースを実施せず、過去 3 年間を総括するとともに、コースで得られた知見について、日本薬剤疫学会 (2023 年 11 月)、医療情報学連合大会 (2023 年 11 月)、21 世紀 先端医療コンソーシアム 医療マネジメント部会 特別プログラム (2023 年 1~3 月) にて報告した。2024 年度は 3 社、3 名が参加した。

2025 年は 3 社 4 名が参加し、前年度に引き続きオンデマンド動画を活用した実質的なコース期間短縮を継続し、病院見学や実習・演習の分量を維持したこともあり、参加者の満足度は保たれていた。加えて、参加団体のうちのひとつであり、自前で保有する大規模医療データの活用が課題となっている社会保険診療報酬支払基金 (以下、支払基金) と何度かコンテンツについての意見交換を行い、有用性が高いと思われる事項について複数回の出張講義を行った。出張講義では、医療現場から生み出される各種データの有用性や、“データの綾”について、より多くの職員が理解を深める機会を提供することがで

きた。2026 年度は今年度の実績をもとに、出張形式での講義を充実させる予定である。

さらに、支払基金と同様に自前で保有する大規模医療データを保有し、その活用を課題としている全国健康保険協会 (協会けんぽ) と国民健康保険中央会とも意見交換する機会があり、前述の出張講義の内容の一部を各団体のニーズに合わせて改変し、各団体でデータヘルスを担当する多くの職員に向けて講義を行った。講義の内容は、支払基金へのお出張講義の内容をもとに、より汎用性のある内容とした。

3. 医療・介護データ活用による研究・人材育成 (筑波大学)

2023 年

若手研究者による以下の 2 論文を刊行した。

Characteristics and in-hospital mortality of patients with COVID-19 from the first to fifth waves of the pandemic in 2020 and 2021 in the Japanese Medical Data Vision database (Heliyon. 2023 Aug 25;9(9):e19490.)

Factors associated with non-participation in breast cancer screening: analysis of the 2016 and 2019 comprehensive survey of living conditions in Japan (Breast Cancer . 2023 Nov;30(6):952-964.)

また、日本臨床疫学会および日本薬剤疫学会の年次学術総会で教育講演を実施した。

2024 年

筑波大学の大学院学生 2 人が医療・介護ビッグデータ活用による研究を行い 2024 年度第 83 回日本公衆衛生学会学術総会（北海道）にて以下の演題で発表することができた。

- (1) 呼吸器外科手術後のオピオイド持続使用割合とそれに関連する要因～地域で考える慢性疼痛～
- (2) 中年期における社会的孤立とアドバンスケアプランニングについて考えているかとの関連

国際学会としては、大学院生 1 人が 2024 年度第 16 回国際薬剤疫学会アジア会議/第 29 回日本薬剤疫学会学術総会（東京）にて以下の発表を行った。

Risk of endometrial cancer by endocrine therapy for breast cancer survivors in Japan

また、2024 年度第 16 回国際薬剤疫学会アジア会議/第 29 回日本薬剤疫学会学術総会（東京）にて、本研究協力者である岩上将夫が educational session として、教育講演を行った。

2025 年

大学院学生 3 人と助教 1 人が 2025 年度第 84 回日本公衆衛生学会学術総会（静岡）にて、また医学部生 1 人が第 40 回日本国際保健医療学術総会（東京）にて発表した。

- (1) 妊娠期非産科手術と児有害事象との関連～大規模レセプトデータベースによる観察研究～
- (2) 障害児等がいる世帯における経済的支援を希望する世帯の実態
- (3) 本邦高齢者における薬剤と非椎体骨折の関連：自己対照研究（ケースクロスオーバー法）
- (4) 高血圧、脂質異常症、糖尿病治療の有無と乳がん検診未受診との関連
- (5) 全国二次医療圏別にみた外国人患者受け入れ医療機関の地域偏在

本研究協力者である岩上将夫が日本腎臓学会の英文誌 Clinical Experimental Nephrology において、若手が臨床疫学研究を行う時の手引きとして、以下の論文を執筆し公表された。

Review series: Methodological tutorial for clinical kidney research using real-world data, Review no. 3: handling of longitudinal creatinine data to define acute kidney injury

このように、本研究班の重要な目的の 1 つである「後進の育成」に関する活動の一環として、筑波大学の若手に限らず、日本全国を対象にした啓蒙教育活動に関わることができた。

4. NDB をはじめとする医療ビッグデータを利活用できる人材の裾野を広げるための研究（自治医科大学）

2023 年度

既存の教育プログラムのうち、幅広く活用可能であり、引き続き重視すべきコンテンツは下記(1)-(5)のとおり整理された。

(1) データ構造の理解

- ・レセプトデータ等の種類と仕様
- ・データ抽出のためのコード等

(2) 研究デザインの検討

- ・クリニカルクエスト (CQ) からリサーチクエスト (RQ) への作り変え
- ・FINER による RQ の評価
- ・文献検索
- ・抽出変数の定義と抽出計画の策定

(3) SQL によるデータの切り出し

- ・複数のテーブルから情報を抽出する
- ・解析用テーブルに加工する

(4) R による統計解析

- ・データの成型
- ・各変数の集計及び可視化
- ・検定、回帰分析

(5) 論文執筆

- ・論文の構造の理解
- ・データの適切な解釈

また利用者へのヒアリングからは、系統的学習(データに関する説明資料、講義動画、ダミーデータ等)に加えて、解析に慣れていない初学者を中心に、個別指導をより重視するニーズが明らかになった。更に下記(6)(7)が要望として挙げられた。

(6) 様々な解析ソフトウェアの活用

Stata, SPSS, TreeAge, ArcGIS 等、利用者に応じて様々なソフトウェアを使用するニーズがあることが明らかになった。特に統計

解析ソフトウェアについてはグラフィカルユーザインターフェースを希望する利活用者が多かったことから、Rに加えて Stata を用いた統計解析の支援を導入した。

(7) データ可視化のためのビジネスインテリジェンス(BI)ツールの活用

自治体職員を中心として、BI ツールを用いた可視化の希望が挙げられた。Tableau を導入し分析を行うとともに、BI ツールに利用できる汎用的な中間テーブルを作成することとした。

2024 年度

(1) 臨床疫学研究

教育プログラムを自治医科大学データサイエンスセンターにおいて大学院生、客員研究員および共同研究者に提供した。また、セキュアな VPN アクセスにより相互にデータ解析が可能な環境を活用し、東京大学と共同で研究を行った。この結果、多数の研究者により研究計画の立案から論文発表までが行われた。各研究の報告状況は「G. 研究発表」に示すとおりである。

(2) 医療政策のためのデータ利活用

栃木県医療政策課の職員と共同で様々なデータ分析を行った。例を以下に示す。

- ① 病床機能報告上の病床数と入院料または医療資源投入量から算出した病床機能の比較 (DPC データ)
- ② 在宅医療および介護の提供体制の現状 (KDB データ、介護レセプトデー

タ)

- ③ 特定健診・特定保健指導が受療行動
や医療費に与える影響 (KDB デー
タ)

上記①②の分析にあたっては、令和 5 年
度までの経験を踏まえ、Microsoft
Excel 形式の汎用的性の高い中間テーブ
ルを作成することとした。また、②に関
してはビジネスインテリジェンスツール
として Tableau を活用し、医療ビッグデ
ータに地理データや医療施設に関するデ
ータを加えたデータセットを作成した。
このことにより、自治体職員が自身で必
要な分析と可視化を行うことが可能にな
った。

一方で、既存の教育プログラムを自治体
職員に適用する上ではいくつかの課題が
明らかになった。例を以下に示す。

- いわゆるクリニカルクエスチョンや
リサーチクエスチョンが明らかでは
ない中で分析のデザインを構築する
必要がある
- データ分析に不慣れな場合が多く、
データの抽出や加工が困難である
- 臨床疫学研究と異なり、統計解析ソ
フトで 1 人 1 行のデータセットを解
析することが適していない場合もあ
る

(3) 各種データの整備

令和 5 年度までの研究で用いていた栃木
県の医療・介護レセプトデータは、県内
25 の市町のうち 18 の市町から収集し

た、平成 31 年までのものであった。今
年度は栃木県の協力を得てこれを更新
し、全 25 市町の国民健康保険および後
期高齢者医療制度の平成 31 年度から令
和 5 年度までの医療・介護レセプトデー
タを入手した。これに加え、栃木県に関
する下記のデータを入手し、データベー
ス化を行った。

- ① KDB データ
- ② 県内 66 施設から収集した DPC デー
タ
- ③ 病床機能報告制度のデータ
- ④ 医療施設・介護施設に関するデータ
- ⑤ 県内の郵便番号に対応する地理情報

(4) 今後のデータおよび利活用者の検討
令和 6 年度までに入手した医療・介護レ
セプトデータおよび DPC データは利点も
多いが、以下の点が限界として挙げられ
た。

- 患者の臨床的な情報が不足している
- 栃木県のみでの情報では症例数が少な
く一般化可能性に限界がある

そこで今後利活用を進めるデータとして
下記を設定した。

- 検査値等の臨床情報を含むデータ
- 栃木県以外の自治体のデータ

また、今後想定される利活用者として、大
学の研究者に限らず一般病院の臨床医や、
県職員のみならず、各市町や保健所等の
職員など、様々な自治体職員が挙げられ
た。

2025 年度

(1) 臨床疫学研究

教育プログラムを自治医科大学において大学院生、客員研究員および共同研究者に提供するとともに、VPN 環境を強化して東京大学と共同で研究を行った。この相互作用により、多数の研究者により研究計画の立案から論文発表までが行われた。各研究の報告状況は「G. 研究発表」に示すとおりである。

(2) 地域医療分析

栃木県医療政策課の職員と共同で様々なデータ分析を行った。例を以下に示す。

- ④ 入院患者に対する医療資源投入量と在院日数から見る医療機関の機能（DPC データ）
- ⑤ 入院医療の需要に関する将来推計（DPC データ）
- ⑥ 在宅医療・介護を受けている患者の入院の状況（医療・介護レセプトデータ）

上記の分析にあたっては、令和 6 年度までと同様に Microsoft Excel 形式の汎用性の高い中間テーブルを作成するとともに、ビジネスインテリジェンスツール Tableau を活用し、自治体職員が自身で必要な分析と可視化を行うことを実現した。また、今年度は複数の若手研究者をチームに加えて共同で分析を行うことにより、分析数の増加が実現した。

一方、この取り組みを進める上で、令和 6

年度までのものに加えて新たな課題も明らかになった。例を以下に示す。

- Excel 形式の中間テーブルを用いた分析は、経験が浅い者でも分析が可能である一方で、分析の自由度が限られている。個票データを自治体職員も扱えるような人材育成も必要である。
- 臨床疫学研究と医療政策のための分析は質的に異なる場合があり、前者に慣れた研究者であっても後者を行うのは必ずしも容易ではない。
- 分析を行うことに加え、医療政策の立案に関連する複数のステークホルダーに対して結果を効果的に提示することが求められる。

(3) 自治体データの検討

栃木県に関して、県内全市町の 2015 年から 2025 年までの国民健康保険および後期高齢者医療制度の医療レセプトデータ、介護レセプトデータならびに KDB データを入手し、既存のデータ（2019 年～2023 年）を更新した。加えて、佐賀県についても県内全市町の協力を得て、2018 年から 2025 年までの期間で栃木県と同様のデータを入手した。なお栃木県に関しては、2024 年から新たに電子化された医療保険を用いた訪問看護のレセプトデータを含む。また、栃木県内全対象施設からの DPC データも年度を追加した。

加えて、佐賀県におけるデータ収集のための自治体関係者との協議の中で、医療ビ

ッグデータの新たな利活用者として市町に勤務する保健師が指摘された。

(4) 病院データの検討

国立病院機構の複数の一般病院に勤務する研究者と検討を行った結果、下記の2テーマより研究を実施することとし、同機構の診療情報データベース利活用審査委員会に申請を行い承認された。

- 肝臓癌の疫学と治療実態及び各種治療に応じた予後の検討
 - 敗血症に対する診療パターンの分析並びに起因菌、治療法及び予後の検討
- 承認を受けてデータ利活用を開始するとともに、多施設の研究者が遠隔で学べるE-ラーニングの機会を提供するなど、教育プログラムの適用を開始した。

一方、琉球大学とは次世代医療基盤法に基づくNDBとの連結解析を検討し、病院のデータに加えて自治体の保有する乳幼児健診等のデータとの連結を想定して小児科領域を中心に研究を推進していくこととした。また同大学病院に勤務する臨床医およびコメディカルスタッフに対してリアルワールドデータ研究を指導するコースを令和8年度から設置することとし、その支援を継続的に行う方針となった。

なお、病院から得られるデータは既存のDPCデータやレセプトデータと比べ非常に複雑な構造であり、特に一般病院に勤務する臨床医にとってはデータハンドリングが困難であることが課題として挙げられた。

D. 考察

1. ビッグデータ研究実践能力およびデータハンドリング技術養成プログラムの実践（東京大学）

2023年度に開発した研究実践能力養成プログラムを、2024年度に日本臨床疫学会の協力のもとで実践し、評価を行った。

全体の満足度は89.7%であり、講義間の満足度のばらつきも小さく、全体的に高い満足を与えられた。

過去のセミナーと比較して、民間企業からの参加者が多かった。「民間企業によるリアルワールドデータ利活用」はとりわけ好評であった。公的データベースの民間企業への公開が拡大したことが背景にあるかもしれない。

一方、自治体などの医療政策担当者の参加者は1%と振るわなかった。「自治体によるリアルワールドデータ利活用」の視聴者の多くはアカデミアであった。自治体の担当者は医療計画や地域医療構想においてレセプト情報を活用する必要性に迫られている。アカデミアと連携してレセプトの分析を進めようとしているケースもあることがうかがえる。そうであれば、自治体関係者だけでなく、自治体と協同でデータ分析を行うアカデミアの人材も育成すべきと考えられる。

受講生によるアンケート評価結果に基づき、2025年度においては、SQLのコンテンツ改良、およびデータマネジメントに関するセ

ミナーの改良プログラム開発に取り組んだ。本研究班の研究協力者2名が中心となり、SQLの教本を作成し、それにも続いて基礎編と中級編のコンテンツを作成中である。データマネジメントに関するセミナーについては、臨床疫学研究に関連する情報管理の実際、大規模データベースから目的にあった標準データセットを抽出するプロセスの設計について学ぶプログラムを新たに開発した。

これらのコンテンツは、本研究の後継研究において、他のプログラムとともにさらに改良を加え、新規の「NDB・DPC等データベース研究人材育成セミナー」として開講する予定である。

大規模データベース研究については、継続的に実践できている。2021年以降は毎年100編以上を継続できている、本研究の人材育成プログラムの効果を示すものである。

2. NDBデータ研究の実践と人材育成プログラム開発・検証（京都大学）

「関西広域・医療データ人材育成拠点形成事業」における2種類の社会人向けインテンシブコースの経験から、データサイエンスの人材育成に関するいくつかの知見を得た。下記に抜粋して記述する。

- ・医療者でない参加者の場合、医療データ以前の「医療そのもの」への距離感が大きいため、プログラム提供に当たっては、そのギャップを十分意識することが必要。
- ・NDB等の実際のデータに触れることは学

習者のモチベーションを大きく高め得る。

- ・「公益性のある研究」としてNDB申出書を書くことの意義を体感することは大いに重要。

- ・医師の診断プロセスや、電子カルテ入力体験を通じた、「データが絶対とは限らない」「バリデーションが重要」という感覚の共有はきわめて重要。

- ・レセプトでの傷病名同定における投薬や処置の情報を理解することの重要性。

- ・医療の場で入力されている情報が必ずしも正確かつ網羅的とは言えないことの実感。

- ・模擬的なデータ分析体験を通じた、臨床研究への意識の高まり。

- ・「企業が求める人材育成」と「大学教育が想定する人材育成」の違いの認識。

- ・受講者ニーズと提供するコンテンツとのマッチングの重要性。

- ・人材育成プログラムに参加することで、その者が通常業務に就いていたことで得られたはずの派遣元への利益を上回る貢献を派遣元にもたらす可能性を、できる限り可視化することの重要性。

- ・人材育成プログラムに参加した者が、派遣元に戻った後も継続的に医療データサイエンティストとして活躍できるように、医療データに関連する具体的な研究事業が派遣元に存在することの重要性。

- ・少人数を対象とした数ヶ月にわたる集中的な教育コースだけでなく、多人数を対象とした短期コースにより、各団体のニーズに合わせた内容をピンポイントで提供する

ことの重要性。

引き続き、より良いデータサイエンス人材育成の在り方、方向性を探っていきたい。

3. 医療・介護データ活用による研究・人材育成（筑波大学）

本研究分担を通じて、医療・介護ビッグデータ研究の後進の育成実績およびそのノウハウが順調に蓄積されている。これは、今後の医療人材のあるべき方向にも沿ったものであり、かつ学生や若手自身が自ら意欲的に取り組める内容でもあり、適切な指導により高い成果につながられることが示唆された。

今後、以上の経験を生かし、それぞれの分野やレベルの違いに応じた医療・介護ビッグデータ人材教育の最適な方法論についてまとめていくことが必要であると考えます。

4. NDBをはじめとする医療ビッグデータを利活用できる人材の裾野を広げるための研究（自治医科大学）

2023年度は、医療ビッグデータを利活用できる人材の裾野を広げるにあたり、研究者や大学院生に加えて自治体職員等とも意見交換を行い、既存の教育プログラムの改良を図るとともに、更なる利活用のための検討を行った。

2024年度は、既存のデータの利活用に加え、様々なデータの取得とデータベース整備も実施した。特に KDB システムから抽出した要介護認定情報などは、これまでの医療・介護レセプトデータに情報を

大きく追加するものとする。また、病床機能報告制度などの施設情報や地理情報は、医療政策立案のためのデータ利活用を進めていく上で重要と考えられる。一連の利活用を進める中で更なるデータや利活用者が想定された。次年度以降も引き続きデータと利活用者の幅を広げる予定であり、これらに対応して教育プログラムを改善し続けることが重要と考えられる。

2025年度では、医療ビッグデータを利活用できる人材の裾野を更に広げるにあたり、研究者や自治体職員を対象として教育を実施して分析を行うとともに、各種データの整備を進め、更なる利活用のための検討を行った。

当センターで行う研究の計画立案に際しては、研究分担者が個別に各利活用者に対して直接指導を行っている。加えて、2024年度までにこれらの指導内容を体系化した教育プログラムを開発し、研究者に加えて自治体職員にも提供してきた。2025年度はこれらを活用し、臨床疫学研究と地域医療分析を進めるとともに、若手研究者の地域医療分析への参画により更なる人材育成を実施した。ビッグデータ分析を介して、臨床疫学研究と地域医療政策の両者に通じた研究者の育成を実現したが、両者の違いによる課題も明らかとなった。

E. 結論

本研究は、厚生労働省が進める NDB 等データベースの高度利活用に直接反映される

研究である。近年、保健医療介護データベースのインフラ整備が進められている。これらのインフラを活用できる人材の育成にさらに貢献し、現在整備中の統合データベースの稼働の際には全省的な政策課題に関する研究・知見の提供にも貢献できる。さらに、日常臨床のクリニカル・クエスチョンをデータベース活用により解明する研究実践能力を持つ研究者を多数育成し、データハンドリング技術と臨床研究実践能力の両方に長けた人材も多数育成することにより、わが国の大規模データベース研究の進歩を加速できる。わが国の大規模データベース研究の技術水準を世界トップレベルに向上させ、わが国発のエビデンスを量産できることが期待される。

また、様々な利活用者と目的に合わせて教育プログラムの改良を検討し、今後求められる新規データの検討と更なる利活用のための基盤を強化する必要がある

F. 健康危険情報

なし

G. 研究発表

<康永秀生>

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H. 知的財産権の出願・登録状況

1. 特許取得
なし
2. 実用新案登録
なし
3. その他
なし

別添 4

研究成果の刊行に関する一覧表

書籍

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Hirano Y, Konishi T, Kaneko H, Itoh H, Matsuda S, Kawakubo H, Uda K, Matsui H, Fushimi K, Daiko H, Itano O, Yasunaga H, Kitagawa Y	Impact of prophylactic corticosteroid use on in-hospital mortality and respiratory failure after esophagectomy for esophageal cancer: Nationwide inpatient data study in Japan	Annals of Surgery	277(6)	e1247-e1253	2023
Honda M, Yasunaga H, Michihata N, Miyakawa T, Kumazawa R, Matsui H, Imaizumi T	Impact of guideline recommendation for novel surgical procedures on surgeons' decisions: A time series analysis of gastric cancer surgeries from a nationwide cohort study	International Journal of Surgery	109(3)	316-322	2023
Honda A, Iizuka Y, Michihata N, Morita K, Mieda T, Takasawa E, Ishiwata S, Kakuta Y, Tomomatsu Y, Ito S, Inomata K, Matsui H, Fushimi K, Yasunaga H, Chikuda H	Risk factors for early mortality in elderly patients with unstable isolated C2 odontoid fracture treated with halo-vest or surgery	Scientific Reports	13(1)	17962	2023
Ichita C, Nakajima M, Ohbe H, Kaszynski RH, Sasaki A, Miyamoto Y, Kondo Y, Sasabuchi Y, Fushimi K, Matsui H, Yasunaga H	Effectiveness of early colonoscopy in patients with colonic diverticular hemorrhage: A nationwide inpatient analysis in Japan	Digestive Endoscopy	35(4)	520-528	2023
Ishibashi T, Kaneko H, Matsuoka S, Suzuki Y, Ueno K, Ohno R, Okada A, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Komuro I	HDL cholesterol and clinical outcomes in diabetes mellitus	Eur J Prev Cardiol	30(8)	646-653	2023
Ishibashi T, Kaneko H, Ueno K, Morita K, Itoh H, Okada A, Kamiya K, Suzuki Y, Matsuoka S, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Ako J, Node K, Yasunaga H, Komuro I	Association between Early Initiation of Cardiac Rehabilitation and Short-Term Outcomes of Patients with Acute Heart Failure Admitted to Intensive Care Unit	American Journal of Cardiology	206	285-291	2023
Ishimaru S, Michihata N, Kawamura Y, Uda K, Matsui H, Fushimi K, Yasunaga H, Yoshikawa T	Trend in the Numbers of Hospitalized Patients With Varicella, Herpes Zoster, and Ischemic Stroke in Japanese Individuals <20 Years of Age Before and After Implementation of Universal Varicella Vaccination	Pediatr Infect Dis J	42(7)	626-628	2023
Ishimaru T, Shinjo D, Fujiogi M, Michihata N, Morita K, Hayashi K, Tachimori H, Kawashima H, Fujishiro J, Yasunaga H	Risk factors for postoperative anastomotic leakage after repair of esophageal atresia: a retrospective nationwide database study	Surgery Today	53(11)	1269-1274	2023
Isogai T, Matsui H, Tanaka H, Makito K, Fushimi K, Yasunaga H	Incidence, management, and prognostic impact of arrhythmias in patients with Takotsubo syndrome: a nationwide retrospective cohort study	European Heart Journal: Acute Cardiovascular Care	12(12)	834-846	2023
Iwai C, Jo T, Konishi T, Fujita A, Michihata N, Matsui H, Fushimi K, Yasunaga H	Thrombotic risk of platinum combination chemotherapy with and without immune checkpoint inhibitors for advanced non-small cell lung cancer: a nationwide inpatient database study	Cancer Immunology, Immunotherapy	72(11)	3581-3591	2023

Iwai C, Jo T, Konishi T, Kumazawa R, Matsui H, Fushimi K, Yasunaga H	Comparative Safety and Effectiveness of Direct Oral Anticoagulants and Warfarin during Chemotherapy in Cancer Patients with Venous Thromboembolism Aged 75 Years or Older : A Nationwide Inpatient Database Study	Gerontology	69(5)	561-570	2023
Iwasaki Y, Ohbe H, Nakajima M, Sasabuchi Y, Ikumi S, Kaiho Y, Yamauchi M, Fushimi K, Yasunaga H	Association between intraoperative landiolol use and in-hospital mortality after coronary artery bypass grafting: A nationwide observational study in Japan	Anesthesia & Analgesia	137(6)	1208-1215	2023
Kameda S, Sasabuchi Y, Michihata N, Yamana H, Matsui H, Fushimi K, Yasunaga H, Kohro T	Prednisolone versus cyclosporine as initial treatment for Kawasaki disease	Pediatrics International	65(1)	e15658	2023
Kanazawa S, Kaneko H, Yano Y, Suzuki Y, Okada A, Matsuoka S, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Komuro I	Sex Differences in the Association between Hypertension and Incident Atrial Fibrillation	JAHA	12(5)	e026240	2023
Kamei J, Sugihara T, Yasunaga H, Matsui H, Sasabuchi Y, Fujimura T, Homma Y, Kume H	Impact of early ureteral drainage on mortality in obstructive pyelonephritis with urolithiasis: an analysis of the Japanese National Database	World J Urol	41(5)	1365-1371	2023
Kaneko H, Yano Y, Okada A, Itoh H, Suzuki Y, Yokota I, Morita K, Fujiu K, Michihata N, Jo T, Yamaguchi S, Takeda N, Morita H, Node K, Yamauchi T, Nangaku M, Kadowaki T, McEvoy JW, Lam CSP, Yasunaga H, Komuro I	Age-Dependent Association between Modifiable Risk Factors and Incident Cardiovascular Disease	Journal of the American Heart Association	12(2)	e027684	2023
Kaneko H, Yano Y, Lee H, Lee HH, Okada A, Suzuki Y, Itoh H, Matsuoka S, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Nishiyama A, Node K, Kim HC, Yasunaga H, Komuro I	Blood Pressure Classification Using the 2017 ACC/AHA Guideline and Heart Failure in 33,991 Cancer Patients	Journal of Clinical Oncology	41(5)	980-990	2023
Kimura Y, Jo T, Inoue N, Suzukawa M, Tanaka G, Kage H, Kumazawa R, Matsui H, Fushimi K, Yasunaga H, Matsui H	Association between systemic corticosteroid use and mortality in patients with epiglottitis	Laryngoscope	133(2)	344-349	2023
Kitaoka H, Konishi T, Shitara Y, Ito A, Kashima K, Fujita A, Matsui H, Kato M, Takahashi N, Yasunaga H	Effects of milrinone on neonates after patent ductus arteriosus ligation: A retrospective nationwide database study	Neonatology	120(6)	751-759	2023
Kodama S, Jo T, Yasunaga H, Ohbe H, Michihata N, Matsui H, Okada A, Shiota Y, Fushimi K, Toda T, Hamada M	Perioperative use of intravenous levodopa as an anti-Parkinsonian drug: A propensity score analysis	Movement Disorders Clinical Practice	10(11)	1650-1658	2023
Konishi T, Tanabe M, Michihata N, Matsui H, Nishioka K, Fushimi K, Seto Y, Yasunaga H	Risk factors for arm lymphedema following breast cancer surgery: a Japanese nationwide database study of 84,022 patients	Breast Cancer	30(1)	36-45	2023

Konishi T, Ono S, Okada A, Matsui H, Tanabe M, Seto Y, Yasunaga H	Comparison of bleeding following gastrointestinal endoscopic biopsy in patients treated with and without direct oral anticoagulants	Endoscopy International Open	11(1)	E52-E59	2023
Konishi T, Sasabuchi Y, Matsui H, Tanabe M, Seto Y, Yasunaga H	Long-Term Risk of Being Bedridden in Elderly Patients Who Underwent Oncologic Surgery: A Retrospective Study Using a Japanese Claims Database	Ann Surg Oncol	30(8)	4604-4612	2023
Konishi M, Kaneko H, Itoh H, Matsuoka S, Okada A, Kamiya K, Sugimoto T, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Tamura K, Yasunaga H, Komuro I	Association of weight change and in-hospital mortality in patients with repeated hospitalization for heart failure	J Cachexia Sarcopenia Muscle	14(1)	642-652	2023
Konishi T, Fujiogi M, Sato M, Michihata N, Matsui H, Nishioka K, Tanabe M, Seto Y, Yasunaga H	Impact of the national action plan for antimicrobial resistance on antibiotic use for mastitis using a Japanese nationwide database	Breast Care	18(2)	122-129	2023
Kutsuna S, Ohbe H, Matsui H, Yasunaga H	Steroid pulse therapy for severe fever with thrombocytopenia syndrome patients may not improve prognosis: Retrospective analysis with overlap weighting using a national inpatient database	Journal of Infection and Chemotherapy	29(5)	490-494	2023
Matsumoto S, Tamiya H, Yamana H, Hosoi T, Matsui H, Fushimi K, Akishita M, Yasunaga H, Ogawa S	Association between the type of hypnotic drug and in-hospital fractures in older patients with neurocognitive disorders: A case-control study using a nationwide database	Geriatr Gerontol Int	23(7)	500-505	2023
Matsuo Y, Jo T, Makito K, Matsui H, Fushimi K, Yasunaga H	Association between use of transdermal tulobuterol and short-term outcomes in patients with stroke and underlying chronic obstructive pulmonary disease: a retrospective cohort study	Medicine	102(38)	e35032	2023
Miura S, Michihata N, Hashimoto Y, Matsui H, Fushimi K, Yasunaga H	Descriptive statistics and risk factor analysis of children with community-acquired septic shock	Journal of Intensive Care	11(1)	6	2023
Miyachi H, Konishi T, Hashimoto Y, Matsui H, Fushimi K, Inozume T, Yasunaga H	Clinical course and outcomes of pemphigus vulgaris and foliaceus: a retrospective study using a nationwide database in Japan	The Journal of Dermatology	50(2)	212-221	2023
Miyachi H, Konishi T, Hashimoto Y, Matsui H, Fushimi K, Inozume T, Matsue H, Yasunaga H	Trends in mortality and morbidity in patients with bullous pemphigoid before and after approval of intravenous immunoglobulin in Japan: an interrupted time-series analysis	Clin Exp Dermatol	48(6)	667-673	2023
Miyakawa T, Michihata N, Kumazawa R, Matsui H, Honda M, Yasunaga H	Short-term surgical outcomes of laparoscopic and open surgery for rectal cancer: A nationwide retrospective analysis	Asian Journal of Endoscopic Surgery	16(3)	376-385	2023
Miyamoto Y, Ohbe H, Kumazawa R, Matsui H, Fushimi K, Yasunaga H, Ohta B	Evaluation of Plasmapheresis vs Immunoglobulin as First Treatment After Ineffective Systemic Corticosteroid Therapy for Patients With Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis	JAMA Dermatology	159(5)	481-487	2023

Mizuno A, Kaneko H, Suzuki Y, Okada A, Takeda N, Morita H, Fujiu K, Node K, Yasunaga H, Komuro I	Enduring Relevance of the Stages of Change Model for Transforming Lifestyle Behaviors	Circ J	87(8)	1138-1142	2023
Morita K, Fujiogi M, Michihata N, Matsui H, Fushimi K, Yasunaga H, Fujishiro J	Oral antibiotics and organ space infection after appendectomy and intravenous antibiotics therapy for complicated appendicitis in children	European Journal of Pediatric Surgery	33(1)	74-80	2023
Morita K, Matsui H, Ono S, Fushimi K, Yasunaga H	Association between better night-shift nurse staffing and surgical outcomes: a retrospective cohort study using a nationwide inpatient database in Japan	Journal of Nursing Scholarship	55(2)	494-505	2023
Morita K, Miyamoto Y, Mizuno A, Shirane S, Ohbe H, Hashimoto Y, Kaneko H, Matsui H, Fushimi K, Yasunaga H	Impact of a financial incentive scheme for team-based palliative care in patients with heart failure in Japan: A nationwide database study	International Journal of Cardiology	387	131145	2023
Muramatsu K, Shigemi D, Honno K, Matsuoka M, Fujino Y, Yasunaga H, Unno N, Mitsuda N, Kimura T, Matsuda S	Hospital case volume and maternal adverse events following abnormal deliveries: Analysis using a Japanese National Inpatient Database	International Journal of Gynecology and Obstetrics	162(2)	693-702	2023
Murooka Y, Sasabuchi Y, Takazawa T, Matsui H, Yasunaga H, Saito S	Long-Term Prognosis Following Early Rehabilitation in the ICU: A Retrospective Cohort Study	Crit Care Med	51(8)	1054-1063	2023
Nishimoto Y, Ohbe H, Matsui H, Nakajima M, Sasabuchi Y, Sato Y, Watanabe T, Yamada T, Fukunami M, Yasunaga H	Effectiveness of systemic thrombolysis on clinical outcomes in high-risk pulmonary embolism patients with venoarterial extracorporeal membrane oxygenation: a nationwide inpatient database study	Journal of Intensive Care	11(1)	4	2023
Nishimoto Y, Ohbe H, Matsui H, Nakajima M, Sasabuchi Y, Sato Y, Watanabe T, Yamada T, Fukunami M, Yasunaga H	Trends in Treatment Patterns and Outcomes of Patients With Pulmonary Embolism in Japan, 2010 to 2020: A Nationwide Inpatient Database Study	J Am Heart Assoc	12(12)	e028981	2023
Nishimoto Y, Ohbe H, Matsui H, Nakata J, Takiguchi T, Nakajima M, Sasabuchi Y, Sato Y, Watanabe T, Yamada T, Fukunami M, Yasunaga H	Trends in Mechanical Circulatory Support Use and Outcomes of Patients With Cardiogenic Shock in Japan, 2010 to 2020 (from a Nationwide Inpatient Database Study)	Am J Cardiol	203	203-211	2023
Ohbe H, Goto T, Okada A, Yasunaga H	Association between COVID-19 pandemic and mental disorders in spouses of intensive care unit patients: controlled interrupted time series study	Intensive Care Medicine	49(1)	112-114	2023
Ohbe H, Sasabuchi Y, Iwagami M, Ogura T, Ono S, Matsui H, Yasunaga H	Intensive care unit versus high-dependency care unit for COVID-19 patients with invasive mechanical ventilation	Annals of the American Thoracic Society	20(1)	102-109	2023
Ohbe H, Ouchi K, Miyamoto Y, Ishigami Y, Matsui H, Yasunaga H, Sasabuchi Y	One-year functional outcomes after invasive mechanical ventilation for older adults with pre-existing long-term care needs	Crit Care Med	51(5)	584-593	2023
Ohbe H, Nakajima M, Miyamoto Y, Shibahashi K, Matsui H, Yasunaga H, Sasabuchi Y	1-year functional outcomes after cardiopulmonary resuscitation for older adults with pre-existing long-term care needs	Age Ageing	52(5)	1 月 9 日	2023

Ohbe H, Sasabuchi Y, Doi K, Matsui H, Yasunaga H	Association Between Levels of Intensive Care and In-hospital Mortality in Patients Hospitalized for Sepsis Stratified by Sequential Organ Failure Assessment Scores	Critical Care Medicine	51(9)	1138-1147	2023
Ohbe H, Sasabuchi Y, Jo T, Michihata N, Matsui H, Yasunaga H	Kampo medicine in ICUs in Japan between 2010 and 2020	Journal of Anesthesia	37(4)	654-656	2023
Ohbe H, Tagami T, Endo A, Miyata S, Matsui H, Fushimi K, Kushimoto S, Yasunaga H	Trends in massive transfusion practice for trauma in Japan from 2011–2020: A nationwide inpatient database study	Journal of Intensive Care	11(1)	46	2023
Ohno R, Kaneko H, Ueno K, Kamiya K, Okada A, Suzuki Y, Matsuoka S, Fujiu K, Michihata N, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Komuro I	Subjective Gait Speed and Risk of Developing Cardiovascular Events in 56,589 Cancer Survivors	International Heart Journal	64(4)	672-677	2023
Ohno R, Kaneko H, Ueno K, Aoki H, Okada A, Kamiya K, Suzuki Y, Matsuoka S, Fujiu K, Takeda N, Jo T, Ako J, Morita H, Node K, Yasunaga H, Komuro I	Association of Body Mass Index and Its Change with Incident Diabetes Mellitus	J Clin Endocrinol Metab	108(12)	3145-3153	2023
Ohno R, Kaneko H, Suzuki Y, Okada A, Matsuoka S, Ueno K, Fujiu K, Michihata N, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Komuro I	Association of Metabolic Dysfunction Associated Fatty Liver Disease With Risk of HF and AF	JACC Asia	3(6)	908-921	2023
Okada A, Kaneko H, Matsuoka S, Itoh H, Suzuki Y, Fujiu K, Michihata N, Jo T, Takeda N, Morita H, Yamaguchi S, Node K, Yamauchi T, Yasunaga H, Komuro I	Association of cardiovascular health metrics with annual incidence of prediabetes or diabetes: Analysis of a nationwide real-world database	Journal of Diabetes Investigation	14(3)	452-462	2023
Okada A, Ikeda Kurakawa K, Harita Y, Shimizu A, Yamaguchi S, Aso S, Ono S, Hashimoto Y, Kumazawa R, Michihata N, Jo T, Matsui H, Fushimi K, Nangaku M, Yamauchi T, Yasunaga H, Kadowaki T	Comparison of Bleeding Complications after Pediatric Kidney Biopsy between Intravenous Sedation and General Anesthesia: A Nationwide Cohort Study	BMC Pediatrics	23(1)	33	2023
Okada A, Yamana H, Pan R, Yamaguchi S, Kumazawa R, Matsui H, Fushimi K, Honda Y, Nangaku M, Yamauchi T, Yasunaga H, Kadowaki T, Kim Y	Effect modification of the association between temperature variability and hospitalization for cardiovascular disease by comorbid diabetes mellitus: a nationwide time-stratified case-crossover analysis	Diabetes Research and Clinical Practice	202	110771	2023
Okada A, Honda A, Watanabe H, Sasabuchi Y, Aso S, Kurakawa KI, Nangaku M, Yamauchi T, Yasunaga H, Chikuda H, Kadowaki T, Yamaguchi S	Proteinuria screening and risk of bone fracture: a retrospective cohort study using a nationwide population-based database	Clinical Kidney Journal	17(1)	1 月 9 日	2023
Okubo Y, Uda K, Miyairi I, Michihata N, Kumazawa R, Matsui H, Fushimi K, Yasunaga H	Nationwide epidemiology and clinical practice patterns of pediatric urinary tract infections: application of multivariate time-series clustering	Pediatric Nephrology	38(12)	4033-4041	2023

Okushin K, Yamana H, Tateishi R, Sato M, Tsutsumi T, Matsui H, Fushimi K, Yasunaga H, Koike K, Fujishiro M	Treatment and outcome of hepatorenal syndrome in Japan: a retrospective cohort study using a national inpatient database	BMC Gastroenterol	23(1)	218	2023
Ono S, Sasabuchi Y, Ishimaru M, Ono Y, Matsui H, Yasunaga H	Short-term effects of reduced cost sharing on childhood dental care utilization and dental caries prevention in Japan	Community Dentistry and Oral Epidemiology	51(2)	228-235	2023
Pan R, Okada A, Yamana H, Yasunaga H, Kumazawa R, Matsui H, Fushimi K, Honda Y, Kim Y	Association between ambient temperature and cause-specific cardiovascular disease admissions in Japan: A nationwide study	Environ Res	225	115610	2023
Saito K, Michihata N, Hamada T, Jo T, Matsui H, Fushimi K, Nakai Y, Yasunaga H, Fujishiro M	Gemcitabine plus nab-paclitaxel for pancreatic cancer and interstitial lung disease: A nationwide longitudinal study	Cancer Sci	114(10)	3996-4005	2023
Setogawa N, Ohbe H, Matsui H, Yasunaga H	Amputation after endovascular therapy with and without intravascular ultrasound guidance: A nationwide propensity score matched study	Circulation: Cardiovascular Interventions	16(4)	e012451	2023
Shibahashi K, Ohbe H, Yasunaga H	Artificial cerebrospinal fluid use during burr-hole surgery and reoperation rate in patients with chronic subdural hematoma: an analysis using a nationwide inpatient database	Acta Neurochirurgica	165(5)	1289-1296	2023
Shibahashi K, Ohbe H, Matsui H, Yasunaga H	Real-world benefit of intracranial pressure monitoring in the management of severe traumatic brain injury: a propensity score matching analysis using a nationwide inpatient database	Journal of Neurosurgery	139(6)	1514-1522	2023
Shibahashi K, Ohbe H, Matsui H, Yasunaga H	Intracranial pressure monitoring in children with severe traumatic brain injury: a propensity score matching analysis using a nationwide inpatient database in Japan	Neurosurgery	94(1)	99-107	2023
Shigemi D, Okada A, Yasunaga H	Postoperative Adverse Events and Re-treatment among Patients who have undergone Laparoscopic and Robotic Sacrocolpopexy for Pelvic Organ Prolapse in Japan	International Journal of Gynecology and Obstetrics	161(1)	114-119	2023
Shigemi D, Yasunaga H	Association of white blood cell count after operative vaginal delivery with maternal adverse outcome: A retrospective cohort study	Annals of Clinical Epidemiology	5(4)	113-120	2023
Shimada K, Iwagami M, Makito K, Shigemi D, Uda K, Ishimaru M, Komiyama J, Morita K, Matsui H, Fushimi K, Yasunaga H, Tanaka M, Tamiya N	The Comparison of Caesarean Section Bleeding Between Volatile and Total Intravenous Anaesthesia in a Japanese Nationwide Database	European Journal of Anaesthesiology and Intensive Care	2(2)	e0021	2023
Shinmoto K, Ohbe H, Nakajima M, Miyamoto Y, Sasabuchi Y, Yasunaga H, Hiraoka E	Outcomes after early versus delayed antibiotic treatment of liver abscess in Japan: A nationwide retrospective cohort study	Journal of Infection and Chemotherapy	29(1)	1 月 6 日	2023
Shirata M, Ito I, Jo T, Iwao T, Oi I, Hamao N, Nishioka K, Yamana H, Nagase T, Yasunaga H, Hirai T	Factors Associated With the Development of Bacterial Pneumonia Related to Seasonal Influenza Virus Infection: A Study	Open Forum Infect Dis	10(5)	ofad222	2023

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Suzuki Y, Kaneko H, Tamura Y, Okada A, Fujii K, Michihata N, Takeda N, Jo T, Morita H, Node K, Yasunaga H, Komuro I	Cardiovascular events after the initiation of immune checkpoint inhibitors	Heliyon	9(5)	e16373	2023
Suzuki Y, Kaneko H, Yano Y, Okada A, Hashimoto Y, Itoh H, Matsuoka S, Yokota I, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Kamiya K, Matsunaga A, Ako J, Node K, Yasunaga H, Komuro I	Threshold of body mass index for the development of hypertension among the Japanese adults	Journal of Nutrition	152(11)	2565-2571	2023
Suzuki Y, Kaneko H, Yano Y, Okada A, Itoh H, Matsuoka S, Yokota I, Imaizumi T, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Komuro I	Interaction of Blood Pressure and Glycemic Status in Developing Cardiovascular Disease: Analysis of a Nationwide Real-World Database	JAHA	12(1)	e026192	2023
Suzuki Y, Kaneko H, Yano Y, Okada A, Fujii K, Matsuoka S, Michihata N, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Oparil S, Komuro I	The association of BP with cardiovascular outcomes in patients with dipstick proteinuria and preserved kidney function	Hypertension Research	46(4)	856-867	2023
Suzuki Y, Kaneko H, Tamura Y, Okada A, Michihata N, Jo T, Takeda N, Morita H, Fujii K, Node K, Yasunaga H, Komuro I	Sex-Specific Differences in the Risk of Heart Failure following Anti-HER2 Monoclonal Antibody Therapy	Oncology	101(6)	358-361	2023
Suzuki Y, Kaneko H, Yano Y, Okada A, Matsuoka S, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Komuro I	Reduction in blood pressure for people with isolated diastolic hypertension and cardiovascular outcomes	European Journal of Preventive Cardiology	30(10)	928-934	2023
Tahara S, Hattori Y, Aso S, Uda K, Kumazawa R, Matsui H, Fushimi K, Yasunaga H, Morita A	Endoscopic Surgery versus Craniotomy for Spontaneous Intracerebral Hemorrhage in the Late Elderly Patients	Journal of Stroke and Cerebrovascular Diseases	32(11)	107327	2023
Tahara S, Hattori Y, Aso S, Uda K, Kumazawa R, Matsui H, Fushimi K, Yasunaga H, Morita A	Outcomes after Endoscopic Evacuation versus Evacuation Using Craniotomy or Stereotactic Aspiration for Spontaneous Intracerebral Hemorrhage: Analysis Using a Japanese Nationwide Database	Neurocritical Care	38(3)	667-675	2023
Takamoto N, Konishi T, Fujiogi M, Kutsukake M, Morita K, Hashimoto Y, Matsui H, Fushimi K, Yasunaga H, Fujishiro J	Outcomes following laparoscopic versus open surgery for pediatric intussusception: Analysis using a national inpatient database in Japan	Journal of Pediatric Surgery	58(11)	2255-2261	2023
Ueno K, Kaneko H, Kamiya K, Okada A, Itoh H, Konishi M, Sugimoto T, Suzuki Y, Matsuoka S, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Ako J, Node K, Yasunaga H, Komuro I	Association of early acute-phase rehabilitation initiation on outcomes among patients aged ≥ 90 years with acute heart failure	Journal of the American Geriatrics Society	71(6)	1840-1850	2023
Ueno K, Kaneko H, Kamiya K, Okada A, Suzuki Y, Fujii K, Matsuoka S, Michihata N, Takeda N, Jo T, Morita H, Ako	Gait speed and cardiovascular disease by glycemic status	American Journal of Preventive Medicine	65(1)	45-51	2023

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Ueno K, Kaneko H, Okada A, Suzuki Y, Matsuoka S, Fujiu K, Michihata N, Jo T, Takeda N, Morita H, Kamiya K, Ako J, Node K, Yasunaga H, Komuro I	Association of four health behaviors in Life's Essential 8 with the incidence of hypertension and diabetes mellitus	Preventive Medicine	175	107685	2023
Urata S, Michihata N, Inuzuka R, Matsui H, Fushimi K, Ishimaru M, Kato M, Yasunaga H	Factors affecting in-hospital mortality among pediatric patients with myocarditis treated with mechanical circulatory support	J Cardiol	82(2)	108-112	2023
Watanabe H, Yamana H, Okada A, Matsui H, Fushimi K, Yasunaga H	Therapeutic plasma exchange for anti-glomerular basement membrane disease with dialysis-dependent kidney failure without diffuse alveolar hemorrhage	Journal of Nephrology	36(8)	2317-2325	2023
Watanabe J, Sasabuchi Y, Ohbe H, Nakajima M, Matsui H, Miki A, Horie H, Kotani K, Yasunaga H, Sata N	Impact of preoperative stoma site marking on morbidity and mortality in patients with colorectal perforation: A nationwide retrospective cohort study	World Journal of Surgery	47(11)	2857-2864	2023
Yamada Y, Ohbe H, Yasunaga H, Nakamoto H, Miyakawa Y	Clinical characteristics, treatments, and outcomes of thrombotic thrombocytopenic purpura treated with plasma exchange in Japan: a nationwide inpatient database study	Renal Replacement Therapy	9	25	2023
Yamamoto R, Tamura T, Haiden A, Yoshizawa J, Homma K, Kitamura N, Sugiyama K, Tagami T, Yasunaga H, Aso S, Takeda M, Sasaki J; SOS-KANTO 2017 Study Group	Frailty and Neurologic Outcomes of Patients Resuscitated From Nontraumatic Out-of-Hospital Cardiac Arrest: A Prospective Observational Study	Ann Emerg Med	82(1)	84-93	2023
Yamana H, Lee S, Lin YC, Yoon NH, Fushimi K, Yasunaga H, Cheng SH, Kim HS	Institutional Variance in Mortality after Percutaneous Coronary Intervention for Acute Myocardial Infarction in Korea, Japan, and Taiwan	International Journal of Health Policy and Management	12	6796	2023
Yamana H, Yamasaki K, Jo T, Yatsuhashi H, Yasunaga H	A descriptive analysis of acute viral hepatitis using a database with electronic medical records and claims data	Annals of Clinical Epidemiology	5(4)	107-112	2023
Yamazaki R, Ohbe H, Matsuda Y, Kito S, Shigeta M, Morita K, Matsui H, Fushimi K, Yasunaga H	Effectiveness of medical fee revisions for psychotropic polypharmacy in patients with mood disorders in Japan: An interrupted time-series analysis using a nationwide inpatient database	Asian J Psychiatr	84	103581	2023
Yokoyama A, Jo T, Sakamoto Y, Urushiyama H, Tamiya H, Tanaka G, Kumazawa R, Matsui H, Fushimi K, Yasunaga H, Nagase T	Effectiveness and safety of the co-administration of Yokukan-San (Japanese Herbal Medicine) with Antipsychotics in Hospitalized Older Patients with Pneumonia	Geriatrics & Gerontology International	23(11)	849-854	2023
Yoshiyasu N, Jo T, Sato M, Kumazawa R, Matsui H, Fushimi K, Nagase T, Yasunaga H, Nakajima J	Readmissions and costs in cadaveric and living-donor lobar lung transplantation: Analysis using a national database	JHLT Open	2	100010	2023
Yamato K, Sano H, Hirata K, Nakayama T	Validation and comparison of the coding algorithms to identify people	Front Neurol	14	1231351	2023

	with migraine using Japanese claims data				
Nishikawa Y, Agatsuma N, Utsumi T, Funakoshi T, Mori Y, Nakamura Y, Hoshino N, Horimatsu T, Saito T, Kashihara S, Fukuyoshi J, Goto R, Toi M, Takahashi Y, Nakayama T	Medical care costs according to the stage and subtype of breast cancer in a municipal setting: a case study of Hachioji City, Japan	Breast Cancer	31(1)	105-115	2024
Mori H, Nakane A, Tohara H, Nakayama T	Evaluation of preventive care for swallowing difficulty through policy changes in Japanese long-term care insurance: analysis of a nationwide claims dataset for long-term care insurance	BMC Health Serv Res	23(1)	1053	2023
Saito Y, Igarashi A, Nakayama T, Fukuma S	Prevalence of multimorbidity and its associations with hospitalisation or death in Japan 2014-2019: a retrospective cohort study using nationwide medical claims data in the middle- aged generation	BMJ Open	13(5)	e063216	2023
Shimamoto T, Tateyama Y, Kobayashi D, Yamamoto K, Takahashi Y, Ueshima H, Sasaki K, Nakayama T, Iwami T	Survival and medical costs of non-small cell lung cancer patients according to the first-line treatment: An observational study using the Kyoto City Integrated Database	Thorac Cancer	14(17)	1574-1580	2023
Toshiki Suzuki, Yuta Taniguchi, Jun Komiyama, Toshiki Kuno, Motohiko Adomi, Toshikazu Abe, Ryota Inokuchi, Atsushi Miyawaki, Shinobu Imai, Makoto Saito, Hiroyuki Ohbe, Shotaro Aso, Tadashi Kamio, Nanako Tamiya, Masao Iwagami	Characteristics and in-hospital mortality of patients with COVID-19 from the first to fifth waves of the pandemic in 2020 and 2021 in the Japanese Medical Data Vision database	Heliyon	9(9)	e19490	2023
Chitose Kawamura, Masao Iwagami, Yu Sun, Jun Komiyama, Tomoko Ito, Takehiro Sugiyama, Hiroko Bando, Nanako Tamiya	Factors associated with non-participation in breast cancer screening: analysis of the 2016 and 2019 comprehensive survey of living conditions in Japan	Breast Cancer	30(6)	952-964	2023
Konishi T, Inokuchi H, Sasabuchi Y, Matsui H, Tanabe M, Seto Y, Yasunaga H	Association between care-need level after discharge and long-term outcomes in 7491 patients requiring rehabilitation for stroke	JMA J	7	Sep-52	2024
Ono S, Sasabuchi Y, Yamana H, Yokota I, Okada A, Matsui H, Itai S, Yonenaga K, Tonosaki K, Watanabe R, Ono Y, Yasunaga H, Hoshi K	Weight loss and functional decline in older Japanese people: A cohort study using large-scale claims data	Arch Gerontol Geriatr	120	105354	2024
IKimura Y, Jo T, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Yasunaga H.	Epidemiology of patients with lymphangioleiomyomatosis: A descriptive study using the national database of health insurance claims and specific health checkups of Japan.	Respir Investig.	62(3)	494-502	2024
Abe H, Sumitani M, Matsui H, Inoue R, Fushimi K, Uchida K, Yasunaga H	Association between hospital palliative care team intervention volume and patient outcomes	Int J Clin Oncol	29(10)	1602-1609	2024
Akaba T, Jo T, Tagaya E, Yasunaga H	Relationship between proton pump inhibitor prescription and asthma exacerbation among adult patients: a self-controlled case series study	Intern Emerg Med	19(7)	1905-1912	2024

Awano N, Jo T, Izumo T, Urushiyama H, Matsui H, Fushimi K, Watanabe H, Yasunaga H	Safety of transbronchial lung cryobiopsy compared to transbronchial forceps biopsy in patients with diffuse lung disease: An observational study using a national database in Japan	Respir Investig	62(5)	844-849	2024
Endo M, Konishi T, Yamana H, Jo T, Ishikawa T, Yasunaga H	Association of the Japanese herbal kampo medicine kakkonto with antibiotic use and surgical drainage for non-infectious mastitis: A nationwide database study	The Journal of Obstetrics and Gynaecology Research	50(1)	113-119	2024
Fujita A, Konishi T, Sakata R, Hashimoto Y, Yasunaga H, Aihara M	Cost-effectiveness analysis of prophylactic laser peripheral iridotomy for primary angle-closure suspect in Japan	Eye	38(5)	930-936	2024
Hamada T, Oyama H, Igarashi A, Kawaguchi Y, Lee M, Matsui H, Michihata N, Nakai Y, Fushimi K, Yasunaga H, Fujishiro M	Optimal age to discontinue long-term surveillance of intraductal papillary mucinous neoplasms: comparative cost-effectiveness of surveillance by age	Gut	73(6)	955-965	2024
Hashimoto Y, Iwagami M, Yamana H, Ono S, Takeuchi Y, Michihata N, Uemura K, Aihara M, Yasunaga H	Ocular adverse events after influenza vaccination in older adults: self-controlled case series using a large database in Japan	Ophthalmic Epidemiology	31(5)	448-453	2024
Hatano M, Sasabuchi Y, Ishikura H, Watanabe H, Tanaka T, Tanaka S, Yasunaga H	Outcomes after hip fracture surgery in patients receiving non-steroidal anti-inflammatory drugs alone, acetaminophen alone, or both	Bone Joint J	106-B(8)	849-857	2024
Hatano M, Sasabuchi Y, Isogai T, Ishikura H, Tanaka T, Tanaka S, Yasunaga H	Increased early complications after total hip arthroplasty compared with hemiarthroplasty in older adults with a femoral neck fracture	Bone Joint J	106-B(9)	986-993	2024
He Z, Yamana H, Yasunaga H, Li H, Wang X	Analysis of risk factors and clinical implications for diabetes in first-degree relatives in the northeastern region of China	Front Endocrinol (Lausanne)	15	1385583	2024
Hirano Y, Konishi T, Kaneko H, Itoh H, Matsuda S, Kawakubo H, Uda K, Matsui H, Fushimi K, Daiko H, Itano O, Yasunaga H, Kitagawa Y	Antimicrobial prophylaxis with ampicillin-sulbactam compared with cefazolin for esophagectomy: Nationwide inpatient database study in Japan	Annals of Surgery	279(4)	640-647	2024
Honda A, Iizuka Y, Michihata N, Uda K, Mieda T, Takasawa E, Ishiwata S, Kakuta Y, Tomomatsu Y, Ito S, Inomata K, Matsui H, Fushimi K, Yasunaga H, Chikuda H	Effect of Intraoperative Tranexamic Acid on Perioperative Massive Hemorrhage Requiring Transfusion in Patients Undergoing Elective Spine Surgery: A Propensity Score-Matched Analysis Using a National Inpatient Database	Global Spine Journal	14(3)	804-811	2024
Honda A, Iizuka Y, Tokue M, Takasawa E, Ishiwata S, Tomomatsu Y, Ito S, Inomata K, Okada A, Matsui H, Yasunaga H, Chikuda H	Association between early surgery and postoperative opioid use in patients with lumbar disc herniation: a propensity score-matching analysis using an administrative claims database in Japan	Global Spine Journal	14(6)	1738-1744	2024
Honda A, Yamana H, Sasabuchi Y, Takasawa E, Mieda T, Tomomatsu Y, Inomata K, Takakura K, Tsukui T, Matsui H, Yasunaga H, Chikuda H	Mortality, Analgesic Use, and Care Requirements After Vertebral Compression Fractures: A Retrospective Cohort Study of 18,392 Older Adult Patients	J Bone Joint Surg Am	106(16)	1453-1460	2024

Horibe M, Kayashima A, Ohbe H, Bazerbachi F, Mizukami Y, Iwasaki E, Matsui H, Yasunaga H, Kanai T	Normal saline versus Ringer's solution and critical-illness mortality in acute pancreatitis: a nationwide inpatient database study	J Intensive Care	12(1)	27	2024
Ida T, Ikeda K, Ohbe H, Nakamura K, Furuya H, Iwamoto T, Furuta S, Miyamoto Y, Nakajima M, Sasabuchi Y, Matsui H, Yasunaga H, Nakajima H	Early initiation of angiotensin-converting enzyme inhibitor in patients with scleroderma renal crisis: A nationwide inpatient database study	Rheumatology	63(6)	1507-1511	2024
Imai T, Hashimoto H, Kanda N, Sasabuchi Y, Matsui H, Yasunaga H, Hatakeyama S	Effect of calcium channel blockers on influenza incidence: a population-based retrospective cohort study using administrative claims data in Japan	BMJ Open	14(10)	e084092	2024
Ishida R, Koga K, Ohbe H, Izumi G, Matsui H, Yasunaga H, Osuga Y	Impact of government-issued financial incentive to medical facilities on management of secondary dysmenorrhea	J Obstet Gynaecol Res	50(7)	1208-1215	2024
Ishida R, Ohbe H, Izumi G, Shigemi D, Matsui H, Koga K, Yasunaga H, Osuga Y	National trends in treatments for ectopic pregnancy in Japan from 2010 to 2020: a retrospective observational study	J Obstet Gynaecol	44(1)	2373938	2024
Isogai T, Michihata N, Okada A, Morita K, Matsui H, Miyawaki A, Jo T, Yasunaga H	Use of Japanese Herbal Kampo Medicine in Patients With Acute Cardiovascular Disease - A 12-Year Nationwide Cohort Analysis	Circ J	88(8)	1322-1331	2024
Isogai T, Morita K, Okada A, Michihata N, Matsui H, Miyawaki A, Yasunaga H	Association Between Coexisting Constipation and Heart Failure Readmission in Patients With Heart Failure- A Nationwide Database Study	Circ Rep	6(11)	529-535	2024
Iwai C, Jo T, Konishi T, Fujita A, Michihata N, Matsui H, Fushimi K, Yasunaga H	Interstitial Pneumonitis Following Sequential Administration of Programmed Death-1/Programmed Death-Ligand1 Inhibitors and Epidermal Growth Factor Receptor-Tyrosine Kinase Inhibitors For Non-Small Cell Lung Cancer: A Matched-Pair Cohort Study Using a Nationwide Inpatient Database	Clin Lung Cancer	25(6)	e243-e251	2024
Jimba T, Kaneko H, Azegami T, Suzuki Y, Okada A, Ko T, Fujiu K, Takeda N, Morita H, Hayashi K, Nishiyama A, Node K, Yasunaga H, Takeda N, Nangaku M, Komuro I	Body weight change associated kidney outcomes of sodium-glucose cotransporter new users	Diabetes Obes Metab	26(10)	4535-4543	2024
Jo T, Shigemi D, Konishi T, Yamana H, Michihata N, Kumazawa R, Yokoyama A, Urushiyama H, Matsui H, Fushimi K, Nagase T, Yasunaga H	Antiemetic effect of Rikkunshito, a Japanese Kampo herbal medicine, on cisplatin-induced nausea and vomiting; a nationwide database study in Japan	Internal Medicine	63(7)	919-927	2024
Kanda N, Ohbe H, Jo T, Matsui H, Fushimi K, Hatakeyama S, Yasunaga H	Trends in inpatient antimicrobial consumption using days of therapy and days of antibiotic spectrum coverage: A nationwide claims database study in Japan	Journal of Infection and Chemotherapy	30(3)	228-235	2024
Karakawa R, Konishi T, Yoshimatsu H, Hashimoto Y, Matsui H, Fushimi K, Yano T, Yasunaga H	Association between Body Mass Index and Outcomes after Autologous Breast Reconstruction:	Breast Cancer Research and Treatment	204(1)	69-78	2024

	A Nationwide Inpatient Database Study in Japan				
Kimura Y, Jo T, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Yasunaga H	Epidemiology of patients with lymphangioleiomyomatosis: A descriptive study using the national database of health insurance claims and specific health checkups of Japan	Respir Investig	62(3)	494-502	2024
Kimura Y, Jo T, Inoue N, Suzukawa M, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Sasabuchi Y, Yasunaga H	Association of Novel Antihyperglycemic Drugs Versus Metformin With a Decrease in Asthma Exacerbations	J Allergy Clin Immunol Pract	12(8)	2035-2044	2024
Kimura Y, Jo T, Matsui H, Yasunaga H	Clinical research using real-world data: A narrative review	Respir Investig	62(6)	929-934	2024
Kimura Y, Sasabuchi Y, Jo T, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Yasunaga H	Screening rates for HIV and diabetes in patients with active TB: results of a nationwide survey in Japan	IJTL Open	1(7)	326-328	2024
Kimura Y, Suzukawa M, Jo T, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Yasunaga H	Epidemiology of patients with severe asthma in Japan: a nationwide descriptive study	ERJ Open Res	10(4)	00122-2024	2024
Kimura Y, Suzukawa M, Jo T, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Yasunaga H	Epidemiology of severe childhood asthma in Japan: a nationwide descriptive study	Allergy	79(6)	1598-1602	2024
Kimura Y, Sasabuchi Y, Jo T, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Yasunaga H	Epidemiology of chronic pulmonary aspergillosis: A nationwide descriptive study	Respir Investig	62(6)	1102-1108	2024
Kita S, Morita K, Watanabe H, Michihata N, Morisaki M, Yamaji N, Ikeda M, Yasunaga H	Suicide attempt and self-harm among hospitalized children in Japan: A nationwide inpatient database study	Glob Health Med	6(6)	383-393	2024
Kitano S, Suzuki K, Tanaka C, Kuno M, Kitamura N, Yasunaga H, Aso S, Tagami T	Agonal breathing upon hospital arrival as a prognostic factor in patients experiencing out-of-hospital cardiac arrest	Resusc Plus	18	100660	2024
Kitaoka H, Konishi T, Shitara Y, Ito A, Kashima K, Hashimoto Y, Matsui H, Kato M, Takahashi N, Yasunaga H	Treatments and outcomes of neonatal disseminated intravascular coagulation with and without neonatal asphyxia: A retrospective study using nationwide data in Japan	Pediatrics & Neonatology	65(2)	117-122	2024
Ko T, Suzuki Y, Kaneko H, Jimba T, Komuro J, Okada A, Fujiu K, Takeda N, Morita H, Node K, Yasunaga H, Takeda N, Komuro I	Applying the HARMS2-atrial fibrillation risk score for Japanese population: an analysis of a nationwide epidemiological dataset	Eur J Prev Cardiol	31(14)	1738-1740	2024
Ko T, Suzuki Y, Kaneko H, Jimba T, Fujiu K, Takeda N, Morita H, Yasunaga H, Takeda N, Komuro I	Rate of subsequent diagnosis of sarcoidosis after pacemaker implantation for atrioventricular block: an analysis of a nationwide epidemiological dataset	Eur J Prev Cardiol	31(18)	2141-2143	2024

Koizumi M, Ohbe H, Suzuki S, Hashimoto Y, Matsui H, Fushimi K, Yamasoba T, Yasunaga H	Impact of COVID-19 pandemic on the number of otolaryngologic surgeries in Japan	Auris Nasus Larynx	51(3)	617-622	2024
Komuro J, Kaneko H, Suzuki Y, Okada A, Fujii K, Takeda N, Jo T, Morita H, Senoo K, Node K, Yasunaga H, Ieda M, Komuro I	Sex Differences in the Relationship Between Schizophrenia and the Development of Cardiovascular Disease	J Am Heart Assoc	13(5)	e032625	2024
Komuro J, Kaneko H, Suzuki Y, Okada A, Komuro K, Mizuno A, Fujii K, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Ieda M, Komuro I	Unawareness of being prescribed medications for diabetes and incident cardiovascular disease	J Cardiol	84(4)	294-299	2024
Konishi T, Inokuchi H, Sasabuchi Y, Matsui H, Tanabe M, Seto Y, Yasunaga H	Association between Care-need level after Discharge and Long-term Outcomes in 7491 Patients requiring Rehabilitation for Stroke	JMA Journal	7(1)	52-59	2024
Konishi K, Inokuchi H, Yasunaga H	Services in public long-term care insurance in Japan	Annals of Clinical Epidemiology	6(1)	1 月 4 日	2024
Kutsukake M, Konishi T, Aso S, Fujiogi M, Takamoto N, Morita K, Ohbe H, Matsui H, Fushimi K, Fujishiro J, Yasunaga H	Treatment and Outcomes of 844 Cases of Pneumothorax in Heritable Connective Tissue Disorders	Ann Thorac Surg	118(6)	1187-1195	2024
Kutsukake M, Konishi T, Fujiogi M, Takamoto N, Morita K, Yasuhisa I, Hashimoto Y, Matsui H, Fushimi K, Fujishiro J, Yasunaga H	Treatment courses and outcomes of esophageal atresia in patients with trisomy 18: A case-series of 271 patients from a nationwide database in Japan	Archives of Disease in Childhood	109(3)	336-341	2024
Kutsuna S, Ohbe H, Matsui H, Yasunaga H	Analysis of the effectiveness of combination antimicrobial therapy for Legionnaires' disease: A nationwide inpatient database study	Int J Infect Dis	142	106965	2024
Maki W, Aso S, Inuzuka R, Matsui H, Fushimi K, Yasunaga H	Association between warfarin use and thromboembolic events in patients post-Fontan operation: propensity-score overlap weighting analyses	Eur J Cardiothorac Surg	66(6)	ezae413	2024
Maki W, Michihata N, Hashimoto Y, Matsui H, Fushimi K, Yasunaga H	Noninvasive Positive Airway Pressure Management for Post-extubation Support in Preterm Infants: Observational Cohort Study with Overlap Weighting Analysis	Annals of Clinical Epidemiology	6(1)	17-23	2024
Matsuo Y, Jo T, Watanabe H, Matsui H, Fushimi K, Yasunaga H	Clinical Efficacy of Beta-1 Selective Beta-Blockers Versus Propranolol in Patients With Thyroid Storm: A Retrospective Cohort Study	Crit Care Med	52(7)	1077-1086	2024
Michihata N, Ono S, Yamana H, Uemura K, Jo T, Yasunaga H	Family Structure Associated with Measles-Rubella and Varicella Vaccination in Children	Ann Clin Epidemiol	6(3)	51-57	2024
Miura S, Michihata N, Isogai T, Matsui H, Fushimi K, Yasunaga H	Early predictors of unfavorable outcomes in pediatric acute respiratory failure	J Intensive Care	12(1)	50	2024
Mizuguchi Y, Mouri H, Jo T, Hashimoto Y, Matsui H, Fushimi K, Yasunaga H, Taniguchi T	Clinical Features and Outcomes of Shoshin Beriberi	Int Heart J	65(2)	271-278	2024
Nagasawa H, Kaneko H, Suzuki Y, Okada A, Fujii K, Takeda N, Morita H, Nishiyama A, Yano Y, Node K, Viera AJ, Carey	Association of cancer with the risk of developing hypertension	EHJ-Quality of Care and Clinical Outcomes	10(3)	228-234	2024

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Nakagami G, Morita K, Fujita A, Abe M, Mugita Y, Akishita M, Yasunaga H	Dementia severity and advanced pressure injury procedures and prognosis: A nationwide study in Japan	Geriatr Gerontol Int	24(12)	1300-1307	2024
Nakamura K, Isogai T, Ohbe H, Nakajima M, Matsui H, Fushimi K, Yasunaga H	Effect of fluid resuscitation with albumin on mortality in patients with severe burns: A nationwide inpatient data analysis	Burns	50(9)	107227	2024
Nakashima I, Nakahara J, Yasunaga H, Yamashita M, Nishijima N, Satomura A, Nio M, Fujihara K	Real-world management of patients with neuromyelitis optica spectrum disorder using satralizumab: Results from a Japanese claims database	Mult Scler Relat Disord	84	105502	2024
Nakata J, Ohbe H, Takiguchi T, Nishimoto Y, Nakajima M, Sasabuchi Y, Isogai T, Matsui H, Yamamoto T, Yokobori S, Asai K, Yasunaga H	The association between introduction of the micro-axial flow pump Impella in hospitals and in-hospital mortality in patients treated with extracorporeal membrane oxygenation: interrupted time-series analyses	Ann Intensive Care	14(1)	151	2024
Nakayama T, Kaneko H, Okada A, Suzuki Y, Fujiu K, Takeda N, Morita H, Takeda N, Fukui A, Yokoo T, Yasunaga H, Nangaku M, Hayashi K	Association of Inflammatory Bowel Disease with Incident IgA Nephropathy	Clin J Am Soc Nephrol	19(6)	704-711	2024
Nakayama T, Kaneko H, Suzuki Y, Okada A, Morita H, Fujiu K, Takeda N, Fukui A, Yokoo T, Takeda N, Yasunaga H, Nangaku M, Hayashi K	Chronic Tonsillitis and IgA Nephropathy: Findings From a Nationwide Japanese Cohort Study	Am J Kidney Dis	84(5)	613-620	2024
Nusawat C, Sato S, Watanabe H, Konishi T, Yamana H, Yasunaga H	Cost-Effectiveness Analysis of Adjuvant Pertuzumab and Trastuzumab in Human Epidermal Growth Factor Receptor 2-Positive Early Breast Cancer in Japan	Clin Drug Investig	44(12)	927-938	2024
Obikane E, Yamana H, Ono S, Yasunaga H, Kawakami N	Association between perinatal mood disorders of parents and child health outcomes	Arch Womens Ment Health	27(5)	827-836	2024
Ogawa T, Tsuzuki S, Ohbe H, Matsui H, Fushimi K, Yasunaga H, Kutsuna S	Analysis of differences in characteristics of high-risk endemic areas for contracting Japanese spotted fever, tsutsugamushi disease, and severe fever with thrombocytopenia syndrome	Open Forum Infectious Diseases	11(2)	ofae025	2024
Ohbe H, Matsui H, Yasunaga H	Regional Critical Care Bed Capacity and Incidence and Mortality of Mechanical Ventilation in Japan	Am J Respir Crit Care Med	210(3)	358-361	2024
Ohbe H, Shime N, Yamana H, Goto T, Sasabuchi Y, Kudo D, Matsui H, Yasunaga H, Kushimoto S	Hospital and regional variations in intensive care unit admission for patients with invasive mechanical ventilation	J Intensive Care	12(1)	21	2024
Okada A, Kaneko H, Konishi M, Kamiya K, Sugimoto T, Matsuoka S, Yokota I, Suzuki Y, Yamaguchi S, Itoh H, Fujiu K, Michihata N, Jo T, Matsui H,	A machine-learning based prediction of non-home discharge among acute heart failure patients	Clinical Research in Cardiology	113(4)	522-532	2024

Fushimi K, Takeda N, Morita H, Yasunaga H, Komuro I					
Okada A, Yamaguchi S, Ono S, Kurakawa KI, Yasunaga H, Nangaku M, Yamauchi T, Kadowaki T	Modification effect of receipt of diabetes care on the association between COVID-19 infection and HbA1c level during the first year of the coronavirus pandemic using a nationwide population-based database	J Diabetes Investig	15(7)	953-963	2024
Okada A, Aso S, Kurakawa KI, Inoue R, Watanabe H, Sasabuchi Y, Yamauchi T, Yasunaga H, Kadowaki T, Yamaguchi S, Nangaku M	Adding biomarker change information to the kidney failure risk equation improves predictive ability for dialysis dependency in eGFR <30 ml/min/1.73 m ²	Clin Kidney J	17(11)	sfac321	2024
Okada A, Yamana H, Watanabe H, Manaka K, Ono S, Kurakawa KI, Nishikawa M, Kurano M, Inoue R, Yasunaga H, Yamauchi T, Kadowaki T, Yamaguchi S, Nangaku M	Diagnostic validity and solute-corrected prevalence for hyponatremia and hypernatremia among 1 813 356 admissions	Clin Kidney J	17(12)	sfac319	2024
Ono S, Sasabuchi Y, Yamana H, Yokota I, Okada A, Matsui H, Itai S, Yonenaga K, Tonosaki K, Watanabe R, Ono Y, Yasunaga H, Hoshi K	Weight loss and functional decline in older Japanese people: A cohort study using large-scale claims data	Arch Gerontol Geriatr	120	105354	2024
Saihara-Yamaguchi A, Urushiyama H, Makita K, Aso S, Watanabe H, Yokoyama A, Ando T, Jo T, Awano N, Hiroki M, Fushimi K, Kage H, Yasunaga H	The association between the use of Shoseiryuto and reduction in intravenous steroid dose among adult inpatients with asthma exacerbation: A national database study in Japan	Respir Investig	62(6)	1053-1057	2024
Sato M, Ono S, Yamana H, Okada A, Ishimaru M, Ono Y, Iwasaki M, Aida J, Yasunaga H	Effect of periodontal therapy on glycaemic control in type 2 diabetes	J Clin Periodontol	51(4)	380-389	2024
Sato M, Yamana H, Ono S, Ishimaru M, Matsui H, Yasunaga H	Amoxicillin vs third-generation cephalosporin for infection prophylaxis after third molar extraction	Oral Diseases	30(2)	660-668	2024
Sato S, Sasabuchi Y, Aso S, Okada A, Yasunaga H	Association between subjective physical function and occurrence of new fractures in older adults: A retrospective cohort study	Geriatr Gerontol Int	24(4)	337-343	2024
Sato S, Sasabuchi Y, Okada A, Yasunaga H	Usability of the Japanese Late-Stage Elderly Questionnaire for screening major depression	Psychogeriatrics	24(4)	909-914	2024
Senoo K, Kaneko H, Ueno K, Suzuki Y, Okada A, Fujii K, Jo T, Takeda N, Morita H, Kamiya K, Ako J, Node K, Yasunaga H, Komuro I	Sex Differences in the Association Between Depression and Incident Cardiovascular Disease	JACC Asia	4(4)	279-288	2024
Shirota G, Sato S, Yasunaga H, Aso S, Akahane M, Itoh D, Abe O	Transarterial radioembolization vs transarterial chemoembolization with drug-eluting beads for treating hepatocellular carcinoma: a cost-effectiveness analysis in Japanese healthcare system	Jpn J Radiol	42(12)	1501-1515	2024
Sone M, Yasunaga H, Osawa M, Takeguchi Y, Han A, Akiyama N, Kamiya M, Woodhams R,	Impact of work environment on job satisfaction among	Interventional Radiology	9(1)	13-19	2024

Yoshimatsu R, Nakatsuka A, Kakeda S, Takase K, Mimura H, Yamakado K	interventional radiologists in Japan: a cross-sectional study				
Sugai S, Sasabuchi Y, Yasunaga H, Isogai T, Yoshihara K, Nishijima K	In-hospital outcomes of repair and hysterectomy for uterine rupture: A nationwide observational study	Eur J Obstet Gynecol Reprod Biol	302	196-200	2024
Sugai S, Sasabuchi Y, Yasunaga H, Isogai T, Yoshihara K, Nishijima K	Clinical characteristics and outcomes of preterm versus term uterine rupture: a nationwide observational study	Arch Gynecol Obstet	310(6)	3131-3138	2024
Suzuki T, Michihata N, Hashimoto Y, Yoshikawa T, Saito K, Matsui H, Fushimi K, Yasunaga H	Association between aspirin dose and outcomes in patients with acute Kawasaki disease: A nationwide retrospective cohort study in Japan	European Journal of Pediatrics	183(1)	415-424	2024
Suzuki Y, Kaneko H, Nagasawa H, Okada A, Fujiu K, Jo T, Takeda N, Morita H, Nishiyama A, Gohda T, Suzuki Y, Node K, Yasunaga H, Nangaku M, Komuro I	Comparison of estimated glomerular filtration rate change with sodium-glucose cotransporter-2 inhibitors versus glucagon-like peptide-1 receptor agonists among people with diabetes: A propensity-score matching study	Diabetes Obes Metab	26(6)	2422-2430	2024
Suzuki Y, Kaneko H, Okada A, Fujiu K, Jo T, Takeda N, Tanaka A, Node K, Morita H, Yasunaga H, Komuro I	Benign prostate hyperplasia and incident cardiovascular disease	Circulation Journal	88(3)	408-416	2024
Suzuki Y, Kaneko H, Okada A, Fujiu K, Takeda N, Morita H, Nishiyama A, Yano Y, Node K, Yasunaga H, Komuro I	Risk of cancer history in cardiovascular disease among individuals with hypertension	Hypertens Res	47(7)	1871-1880	2024
Suzuki Y, Kaneko H, Okada A, Komuro J, Fujiu K, Takeda N, Morita H, Ako J, Nishiyama A, Yano Y, Ieda M, Node K, Yasunaga H, Komuro I	Comparison of incident hypertension between SGLT2 inhibitors vs DPP4 inhibitors	Hypertens Res	47(7)	1789-1796	2024
Suzuki Y, Kaneko H, Okada A, Komuro J, Mizuno A, Fujiu K, Jo T, Takeda N, Morita H, Nishiyama A, Yano Y, Node K, Yasunaga H, Komuro I	Awareness of Being Prescribed Antihypertensive Medications and Cardiovascular Outcomes	Circ J	88(10)	1639-1646	2024
Suzuki Y, Kaneko H, Okada A, Matsuoka S, Kashiwabara K, Fujiu K, Michihata N, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Komuro I	Association of Cancer and Its Interaction with Conventional Risk Factors on Cardiovascular Disease Risk	Oncology	102(9)	775-784	2024
Suzuki Y, Kaneko H, Okada A, Ohno R, Yokota I, Fujiu K, Jo T, Takeda N, Morita H, Node K, Yasunaga H, Komuro I	Comparison of SGLT2 inhibitors vs DPP4 inhibitors for patients with metabolic dysfunction associated fatty liver disease and diabetes mellitus	J Endocrinol Invest	47(5)	1261-1270	2024
Suzuki Y, Kaneko H, Okada A, Ko T, Jimba T, Fujiu K, Takeda N, Morita H, Komuro J, Ieda M, Node K, Komuro I, Yasunaga H, Takeda N	Association of SGLT2 inhibitors with incident cancer	Diabetes Metab	50(6)	101585	2024
Suzuki-Chiba H, Konishi T, Aso S, Makito K, Matsui H, Jo T, Fushimi K, Yasunaga H	Comparison of olanzapine 2.5 mg and 5 mg in the prevention of chemotherapy-induced nausea and vomiting: a Japanese nationwide database study	Int J Clin Oncol	29(11)	1762-1773	2024

Tada H, Kaneko H, Suzuki Y, Okada A, Takeda N, Fujiu K, Morita H, Ako J, Node K, Takeji Y, Takamura M, Yasunaga H, Komuro I	Association between Remnant Cholesterol and Incident Atherosclerotic Cardiovascular Disease, Heart Failure, and Atrial Fibrillation	Journal of Clinical Lipidology	18(1)	3 月 10 日	2024
Tada H, Kaneko H, Suzuki Y, Okada A, Takeda N, Fujiu K, Morita H, Ako J, Node K, Takeji Y, Takamura M, Yasunaga H, Komuro I	Familial hypercholesterolemia is related to cardiovascular disease, heart failure and atrial fibrillation: Results from a population-based study	Eur J Clin Invest	54(2)	e14119	2024
Takaoka S, Hamada T, Takahara N, Fukuda R, Hakuta R, Ishigaki K, Kanai S, Kurihara K, Matsui H, Michihata N, Nishio H, Noguchi K, Oyama H, Saito T, Sato T, Suzuki T, Suzuki Y, Tange S, Fushimi K, Nakai Y, Yasunaga H, Fujishiro M	Body mass index and survival among patients with advanced biliary tract cancer: a single-institutional study with nationwide data-based validation	J Gastroenterol	59(8)	732-743	2024
Takiguchi T, Nakajima M, Ohbe H, Sasabuchi Y, Tagami T, Kaszynski RH, Matsui H, Fushimi K, Kim S, Yokobori S, Yasunaga H	Association between Postoperative Adjuvant Vasodilator Therapy and In-Hospital Mortality for Non-Occlusive Mesenteric Ischemia: A Nationwide Observational Study	J Nippon Med Sch	91(3)	316-321	2024
Tamiya H, Jo T, Yokoyama A, Sakamoto Y, Mitani A, Tanaka G, Matsui H, Ishimaru M, Yasunaga H, Nagase T	Reduction in the need for surgery and mortality after early administration of fibrinolytics following empyema drainage	Eur J Cardiothorac Surg	66(1)	ezae263	2024
Takeda K, Yokoyama A, Fukami T, Kimura Y, Suzukawa M, Jo T, Suzuki J, Sasaki Y, Mitani A, Tanaka G, Fujita A, Matsui H, Fushimi K, Nagase T, Yasunaga H	Association between preoperative antifungal therapy and postoperative complications in patients with pulmonary aspergilloma: A national database study in Japan	Med Mycol	62(12)	myae117	2024
Tanaka C, Tagami T, Kaneko J, Kitamura N, Yasunaga H, Aso S, Takeda M, Kuno M	Impact of the COVID-19 pandemic on prehospital and in-hospital treatment and outcomes of patients after out-of-hospital cardiac arrest: a Japanese multicenter cohort study	BMC Emerg Med	24(1)	12	2024
Taniguchi J, Aso S, Taisuke J, Matsui H, Fushimi K, Yasunaga H	Endobronchial silicone spigot in prolonged air leaks: Nationwide study on outcomes and risk factors for treatment failure	Respir Investig	62(3)	449-454	2024
Taniguchi J, Jo T, Aso S, Matsui H, Fushimi K, Yasunaga H	Safety of pyrazinamide in elderly patients with tuberculosis in Japan: A nationwide cohort study	Respirology	29(10)	905-913	2024
Tatematsu Y, Imaizumi T, Michihata N, Kato N, Kumazawa R, Matsui H, Fushimi K, Yasunaga H, Maruyama S	Annual trends in atypical haemolytic uremic syndrome management in Japan and factors influencing early diagnosis and treatment: a retrospective study	Sci Rep	14(1)	18265	2024
Uchida M, Jo T, Okada A, Matsui H, Yasunaga H	Effectiveness and Safety of Non-vitamin K Antagonist Oral Anticoagulants in Patients with Atrial Fibrillation at Low Risk of Stroke in Japan: A Retrospective Cohort Study	European Heart Journal - Cardiovascular Pharmacotherapy	10(1)	20-26	2024
Uemura K, Ono S, Michihata N, Yamana H, Yasunaga H	Duration of effectiveness of the COVID-19 vaccine in Japan: a retrospective cohort study using large-scale population-based registry data	BMC Infect Dis	24(1)	648	2024

Ueno K, Kaneko H, Suzuki Y, Okada A, Fujii K, Jo T, Takeda N, Kamiya K, Ako J, Morita H, Node K, Yasunaga H, Komuro I	Change in Body Mass Index and Cardiovascular Outcomes in Patients With Cancer	Mayo Clin Proc	99(6)	891-901	2024
Ueno K, Kaneko H, Suzuki Y, Okada A, Matsuoka S, Fujii K, Michihata N, Jo T, Takeda N, Morita H, Kamiya K, Ako J, Node K, Yasunaga H, Komuro I	Metabolic syndrome and cardiovascular disease in cancer survivors	J Cachexia Sarcopenia Muscle	15(3)	1062-1071	2024
Unoki Y, Ono S, Sasabuchi Y, Hashimoto Y, Yasunaga H, Yokota I	Exploring the influence of a financial incentive scheme on early mobilization and rehabilitation in ICU patients: an interrupted time-series analysis	BMC Health Serv Res	24(1)	242	2024
Wada Y, Takei Y, Sasabuchi Y, Matsui H, Yasunaga H, Kohro T, Fujiwara H, Yamana H	Treatment strategies for pelvic organ prolapse and postoperative outcomes in older women with long-term care needs: A population-based retrospective cohort study	Int J Gynaecol Obstet	166(3)	1323-1329	2024
Yamakawa K, Ohbe H, Hisamune R, Ushio N, Matsui H, Fushimi K, Yasunaga H	Current clinical practice of laboratory testing of the hemostasis and coagulation system in patients with sepsis: a nationwide observational study in Japan	JMA Journal	7(2)	224-231	2024
Yamakawa K, Ohbe H, Mochizuki K, Hisamune R, Ushio N, Kushimoto S, Fushimi K, Yasunaga H	Time trends of outcome and treatment options for disseminated intravascular coagulation from 2010 to 2021 in Japan: A nationwide observational study	Thromb Res	244	109206	2024
Yamana H, Okada A, Ono S, Michihata N, Jo T, Yasunaga H	Machine learning-based models for outpatient prescription of Kampo formulations: an analysis of a health insurance claims database	Journal of Epidemiology	34(1)	8 月 15 日	2024
Yamana H, Tsuchiya A, Horiguchi H, Fushimi K, Jo T, Yasunaga H	Microbiological findings in patients with community-acquired pneumonia: an analysis using the National Hospital Organization Clinical Data Archives	Journal of Infection and Chemotherapy	30(6)	567-570	2024
Yasaka T, Ohbe H, Igarashi A, Yamamoto-Mitani N, Yasunaga H	Impact of the health policy for interdisciplinary collaborative rehabilitation practices in intensive care units: A difference-in-differences analysis in Japan	Intensive & Critical Care Nursing	83	103625	2024
Yasunaga H	Updated information on the Diagnosis Procedure Combination data	Annals of Clinical Epidemiology	6(4)	106-110	2024
Yasunaga H	Updated Information on NDB	Annals of Clinical Epidemiology	6(3)	73-76	2024
Zhou HP, Hashimoto Y, Araki F, Sugimoto K, Nagahara M, Matsui H, Fushimi K, Yasunaga H, Aihara M, Toyama T, Ueta T	Recent Trends in the Cumulative Incidence and Intervention Patterns of Retinopathy of Prematurity in Japan: A Multi-Center Analysis, 2011–2020	RETINA	44(2)	295-305	2024
Akaba T, Jo T, Suzuki J, Kimura Y, Matsui H, Fushimi K, Tagaya E, Yasunaga H	Effectiveness of Oral Prophylactic Antibiotics for Diagnostic Bronchoscopy: A Nationwide Database Study	Ann Am Thorac Soc	22(5)	707-714	2025
Aoyama K, Kaneko H, Azegami T, Okada A, Suzuki Y, Meguro S, Fujii K, Takeda N,	Lean body mass index and the risk of diabetes onset: A nationwide epidemiological cohort study	J Diabetes Investig	16(9)	1623-1630	2025

Morita H, Takeda N, Yasunaga H, Hayashi K					
Aoyama K, Okada A, Kaneko H, Azegami T, Suzuki Y, Meguro S, Fujiu K, Takeda N, Morita H, Node K, Yamauchi T, Nangaku M, Takeda N, Yasunaga H, Hayashi K	Evolving trends of antidiabetic agents stratified by age, kidney function and body mass index: Insights from a nationwide claims database	Diabetes Metab Obes	28(1)	701-710	2026
Awano N, Aso S, Izumo T, Matsui H, Fushimi K, Yasunaga H	Prognostic comparison of acute exacerbations across idiopathic interstitial pneumonia subtypes: A nationwide observational study	Respir Investig	63(6)	1229-1234	2025
Awano N, Jo T, Izumo T, Urushiyama H, Matsui H, Fushimi K, Watanabe H, Yasunaga H	In-hospital Mortality after Bronchoscopy in Patients Receiving Direct Oral Anticoagulants and Those Who Were Not: A Matched-pair Cohort Study Using a Nationwide Japanese Inpatient Database	Intern Med	64(22)	3197-3202	2025
Azegami T, Kaneko H, Okada A, Suzuki Y, Aoyama K, Nakayama T, Fujiu K, Takeda N, Morita H, Yokoo T, Node K, Nangaku M, Takeda N, Yasunaga H, Hayashi K	Gender differences in the prescription of SGLT2 inhibitors in chronic kidney disease: A real-world database study	Diabetes Metab Obes	27(11)	6294-6303	2025
Azegami T, Kaneko H, Okada A, Suzuki Y, Fujiu K, Nakayama T, Takeda N, Morita H, Takeda N, Fukui A, Yokoo T, Kaneko Y, Yasunaga H, Nangaku M, Hayashi K	Association between Rheumatoid Arthritis and the Incidence of IgA Nephropathy	Am J Nephrol	56(6)	773-782	2025
Azegami T, Kaneko H, Okada A, Suzuki Y, Ko T, Fujiu K, Takeda N, Morita H, Takeda N, Yokoo T, Yasunaga H, Nangaku M, Hayashi K	Association of Estimated Glomerular Filtration Ratio with the Incidence of Sleep Apnea Syndrome	Sleep	48(3)	zsae302	2025
Endo A, Michihata N, Yanagi M, Higashigawa M, Mori M, Toyoda H, Ishiguro A, Yasunaga H	Trends of Treatments for Pediatric Patients with Immune Thrombocytopenia in Japan	Ann Epidemiol Clin	8(1)	1 月 9 日	2025
Furukawa M, Wada-Hiraike O, Enomoto Y, Tsuchimochi S, Iriyama T, Sasabuchi Y, Yasunaga H, Hirota Y, Osuga Y	Association of maternal endometriosis with autism spectrum disorder in offspring: a retrospective cohort study	BMC Pregnancy Childbirth	26(1)	112	2025
Hamada T, Masuda A, Michihata N, Saito T, Tsujimae M, Takenaka M, Omoto S, Iwashita T, Uemura S, Ota S, Shiomi H, Fujisawa T, Takahashi S, Matsubara S, Suda K, Matsui H, Maruta A, Yoshida K, Iwata K, Okuno M, Hayashi N, Mukai T, Fushimi K, Yasuda I, Isayama H, Yasunaga H, Nakai Y; WONDERFUL study group in Japan and collaborators	Comorbidity burden and outcomes of endoscopic ultrasound-guided treatment of pancreatic fluid collections: a multicenter study with nationwide data-based validation	Digestive Endoscopy	37(4)	413-425	2025
Hatano M, Okada A, Sasabuchi Y, Ishikura H, Tanaka T, Saito T, Tanaka S, Yasunaga H	Gout incidence in metformin versus sodium-glucose co-transporter-2 inhibitor users: a retrospective cohort study	Rheumatology (Oxford)	64(7)	4164-4171	2025

Hatano M, Sasabuchi Y, Aso S, Yamada K, Ishikura H, Tanaka T, Tanaka S, Yasunaga H	Antimicrobial prophylaxis with ampicillin/sulbactam versus cefazolin for orthopedic implant-related surgical site infections: A retrospective cohort study	J Orthop Sci	30(6)	1172-1179	2025
Hatano M, Sasabuchi Y, Okada A, Ishikura H, Tanaka T, Saito T, Tanaka S, Yasunaga H	Sodium-glucose co-transporter-2 inhibitors vs metformin in reducing osteoarthritis risk: a retrospective cohort study of health insurance claims and check-up data	JBMR Plus	9(10)	ziaf132	2025
Hatano M, Sasabuchi Y, Okada A, Kimura Y, Ishikura H, Tanaka T, Saito T, Tanaka S, Yasunaga H	Osteoarthritis risk associated with romosozumab compared with teriparatide in individuals with osteoporosis: a target trial emulation study	Ann Rheum Dis	84(11)	1938-1947	2025
Hatano M, Yasunaga H, Ishikura H, Tanaka T, Aso S, Tanaka S	Temporal trends in acute care costs of hip fracture treatment from 2011 to 2021 in Japan	Arch Osteoporos	20(1)	124	2025
Hirano Y, Konishi T, Kaneko H, Aso S, Matsuda S, Kawakubo H, Kimura Y, Matsui H, Fushimi K, Daiko H, Itano O, Yasunaga H, Kitagawa Y	Respiratory complications after oesophagectomy using volatile or intravenous anaesthesia	Br J Surg	112(4)	znaf052	2025
Hirano Y, Konishi T, Kaneko H, Matsuda S, Kawakubo H, Kimura Y, Matsui H, Fushimi K, Daiko H, Itano O, Yasunaga H, Kitagawa Y	Perioperative outcomes of esophagectomy after doublet versus docetaxel-based triplet neoadjuvant chemotherapy in older patients: A nationwide inpatient database study in Japan	Ann Gastroenterol Surg	9(4)	687-697	2025
Huang W, Matsui H, Sasabuchi Y, Yasunaga H	Changes in psychotropic medication prescription patterns during the COVID-19 pandemic among Japanese children, adolescents and young adults: interrupted time-series study using a national claims database	BJPsych Open	11(6)	e281	2025
Ikeda Kurakawa K, Okada A, Konishi T, Michihata N, Ishimaru M, Matsui H, Fushimi K, Yasunaga H, Yamauchi T, Nangaku M, Kadowaki T, Yamaguchi S	Children Comorbidity Score, a Simple Predictor for In-hospital Mortality: A Nationwide Inpatient Database Study in Japan	JMA J	8(2)	568-579	2025
Ishibashi T, Kaneko H, Suzuki Y, Ko T, Jimba T, Okada A, Fujii K, Takeda N, Morita H, Node K, Yasunaga H, Takeda N	Association of lean mass index with a risk of incident stroke: a nationwide epidemiological cohort study	J Cardiol	86(4)	411-413	2025
Ishida R, Sasabuchi Y, Koga K, Izumi G, Shigemi D, Matsui H, Yasunaga H, Osuga Y	Association between prophylactic antibiotics for endometrial biopsy and the incidence of pelvic inflammatory disease: A retrospective cohort study	Int J Gynaecol Obstet	170(1)	496-498	2025
Ishida R, Sasabuchi Y, Koga K, Ohbe H, Matsui H, Izumi G, Shigemi D, Yasunaga H, Osuga Y	Postpartum haemorrhage in pregnant carriers of haemophilia and women with von Willebrand disease: a nationwide inpatient database study	Annals of Clinical Epidemiology	7(4)	105-112	2025
Ishizuka K, Yamana H, Morita K, Matsui H, Ohbe H, Fushimi K, Yasunaga H	Association Between the Intensity and Frequency of Swallowing Rehabilitation and Oral Intake at Discharge in Older Patients with Acute Post-stroke Dysphagia	Dysphagia	40(5)	1132-1144	2025

Isogai T, Morita K, Okada A, Michihata N, Matsui H, Miyawaki A, Jo T, Yasunaga H	Association between Complementary Use of Goreisan (a Japanese Herbal Kampo Medicine) and Heart Failure Readmission: A Nationwide Propensity Score-Matched Study	Journal of Cardiology	85(3)	220-228	2025
Isogai T, Morita K, Okada A, Michihata N, Matsui H, Miyawaki A, Yasunaga H	Association Between Complementary Use of Daikenchuto (a Japanese Herbal Medicine) and Readmission in Older Patients With Heart Failure and Constipation	Circulation Reports	7(2)	86-96	2025
Iwai C, Jo T, Okada A, Fujita A, Konishi T, Oba K, Hashimoto Y, Yasunaga H	Association between immune checkpoint inhibitors and uveitis in patients with lung cancer, renal cell carcinoma, or malignant melanoma	Can J Ophthalmol	60(5)	e713-e720	2025
Iwai C, Konishi T, Aso S, Matsui H, Fushimi K, Yasunaga H	Trends in the use of Japanese herbal Kampo medicine in inpatients with cancer: a 14-year nationwide analysis	Int J Clin Oncol	30(11)	2244-2256	2025
Iwai C, Konishi T, Miyawaki A, Okada A, Isogai T, Jo T, Yasunaga H	Cardiovascular adverse events associated with denosumab versus zoledronic acid in patients with breast cancer: a propensity score overlap weighted analysis	Breast Cancer Res Treat	215(1)	16	2025
Iwai C, Miyawaki A, Konishi T, Okada A, Fujita A, Jo T, Yasunaga H	Ocular adverse events of perioperative adjuvant docetaxel vs paclitaxel for breast cancer: propensity-score overlap-weighted analysis	Breast Cancer Res Treat	212(1)	173-182	2025
Jiang L, Okada A, Ishida R, Yasunaga H	Association Between Metabolic Syndrome and Incident Cervical Cancer: A Retrospective Cohort Study	J Obes	2025	3691654	2025
Jimba T, Kaneko H, Suzuki Y, Okada A, Azegami T, Ko T, Fujiu K, Morita H, Takeda N, Hayashi K, Yokoo T, Node K, Komuro I, Yasunaga H, Nangaku M, Takeda N	Effect of SGLT2i on kidney outcomes of individuals with type 2 diabetes according to body mass index: nationwide cohort study	Eur Heart J Cardiovasc Pharmacother	11(2)	155-163	2025
Kameda S, Yamana H, Sasabuchi Y, Michihata N, Aso S, Matsui H, Fushimi K, Yasunaga H, Kohro T	Early Corticosteroid Use and Short-Term Outcomes in Pediatric Bacterial Meningitis: A Nationwide Study in Japan, 2014 to 2022	Pediatr Neurol	164	97-104	2025
Kamijo K, Nakajima M, Shigemi D, Kaszynski RH, Ohbe H, Goto T, Sasabuchi Y, Fushimi K, Matsui H, Yasunaga H	Characteristics and outcomes of patients with postpartum hemorrhage undergoing transcatheter arterial embolization: a nationwide observational study	International Journal of Gynecology and Obstetrics	169(1)	341-348	2025
Kawasaki N, Miyawaki A, Kimura Y, Matsuo Y, Fushimi K, Yasunaga H	Association between Dementia and Early Rehabilitation in Older Inpatients with Internal Medical Conditions	J Am Med Dir Assoc	26(6)	105595	2025
Kimura Y, Jo T, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Yasunaga H	Epidemiology of pulmonary alveolar proteinosis: A descriptive study using a Japanese national administrative claims database	ERJ Open Res	11(1)	00666-2024	2025
Kimura Y, Jo T, Inoue N, Suzukawa M, Matsui H, Sasabuchi Y, Yasunaga H	Association of novel antihyperglycaemic drugs versus metformin with COPD exacerbations	ERJ Open Res	11(3)	00757-2024	2025

Kimura Y, Sasabuchi Y, Jo T, Hashimoto Y, Kumazawa R, Ishimaru M, Matsui H, Yokoyama A, Tanaka G, Yasunaga H	Impact of Hemoptysis Etiology and Embolic Agent Type on Prognosis in Patients Undergoing Bronchial Artery Embolization	Radiol Cardiothorac Imaging	7(3)	e240343	2025
1068. Kimura Y, Jo T, Inoue N, Suzukawa M, Matsui H, Sasabuchi Y, Yasunaga H	Gabapentinoids and Risk for Exacerbation of Chronic Obstructive Pulmonary Disease	Annals of the American Thoracic Society	22(12)	1843-1852	2025
Kitaoka H, Konishi T, Shitara Y, Ito A, Kashima K, Kimura Y, Matsui H, Kato M, Takahashi N, Yasunaga H	Association between early-phase opioid use and outcomes in extremely preterm infants: A nationwide study	Pediatr Res	98(5)	1841-1848	2025
Kitaoka K, Kaneko H, Suzuki Y, Okada A, Mizuno A, Fujiu K, Takeda N, Morita H, Azegami T, Hayashi K, Node K, Furui Y, Miura K, Yasunaga H, Takeda N	Blood pressure control and treatment status at 1 year after the first health check-up in individuals with observed referral-level blood pressure	Hypertens Res	48(10)	2537-2547	2025
Ko T, Kaneko H, Suzuki Y, Komuro J, Komuro K, Jimba T, Okada A, Fujiu K, Takeda N, Morita H, Yumino D, Node K, Ieda M, Yasunaga H, Komuro I, Takeda N	Gender differences in cardiovascular events among patients with sleep apnoea syndrome: a real-world data analysis of a nationwide epidemiological dataset	Eur J Prev Cardiol	32(15)	1482-1490	2025
Ko T, Kaneko H, Suzuki Y, Okada A, Azegami T, Fujiu K, Takeda N, Morita H, Yokoo T, Hayashi K, Komuro I, Yasunaga H, Nangaku M, Takeda N	Dose-dependent association between estimated glomerular filtration rate and the subsequent risk of depression: An analysis of a nationwide epidemiological dataset	Eur J Clin Invest	55(1)	e14322	2025
Ko T, Suzuki Y, Kaneko H, Okada A, Jimba T, Azegami T, Mizuno A, Ejiri K, Fujiu K, Takeda N, Morita H, Hayashi K, Node K, Yasunaga H, Nangaku M, Takeda N	Cardiovascular-kidney-metabolic syndrome stage predicts cardiovascular outcomes in cancer patients: a real-world data analysis of a nationwide epidemiological dataset	Eur Heart J Open	5(5)	oeaf115	2025
Kodama S, Kainaga M, Aso S, Jo T, Hashimoto Y, Matsui H, Yasunaga H, Shiota Y, Hamada M, Fushimi K, Toda T	Overview of Immunotherapy Administration for Miller Fisher Syndrome in Japan: A Nationwide Retrospective Cohort Study	Ann Clin Epidemiol	8(1)	10 月 17 日	2025
Koizumi M, Kashio A, Ishimaru M, Matsui H, Fushimi K, Yasunaga H, Yamasoba T	Clinical features of cochlear implantation in Japan and factors affecting postoperative infection	Auris Nasus Larynx	52(6)	672-678	2025
Komatsu S, Isogai T, Makito K, Matsui H, Fushimi K, Yasunaga H	Seizure after flumazenil reversal for total intravenous anaesthesia with remimazolam versus propofol: a matched retrospective cohort analysis of a large Japanese nationwide inpatient database	Br J Anaesth	134(4)	1050-1057	2025
Komuro K, Kaneko H, Komuro J, Suzuki Y, Okada A, Mizuno A, Fujiu K, Takeda N, Morita H, Node K, Yasunaga H, Takeda N, Ieda M, Komuro I	Differences in the Association of Lifestyle-Related Modifiable Risk Factors with Incident Cardiovascular Disease Between Individuals with and without Diabetes	European Journal of Preventive Cardiology	32(5)	376-383	2025
Komuro K, Komuro J, Kaneko H, Suzuki Y, Okada A, Fujiu K, Takeda N, Morita H, Node K, Yasunaga H, Komuro I, Ieda M, Takeda N	The relationship between depression and cardiovascular disease in older people: results from a large-scale epidemiological cohort study in Japan	Eur Geriatr Med	16(2)	673-680	2025

Kutsukake M, Aso S, Konishi T, Fujiogi M, Takamoto N, Yanagida Y, Morita K, Fushimi K, Matsui H, Yasunaga H, Fujishiro J	Perioperative outcomes of neonatal versus delayed surgery for Hirschsprung disease: a nationwide retrospective cohort study in Japan	Pediatr Surg Int	41(1)	211	2025
Kutsuna S, Ohbe H, Kimura Y, Shinmoto K, Matsuo Y, Matsui H, Fushimi K, Yasunaga H	Association between early initiation of anti-herpesvirus therapy and outcomes in herpesvirus encephalitis: A Nationwide Retrospective Propensity Score Analysis in Japan	Int J Infect Dis	159	107997	2025
Kutsuna S, Ohbe H, Matsui H, Yasunaga H	Exploring the efficacy of routine antimicrobial therapy in severe fever with thrombocytopenia syndrome: Overlap weighting analysis using a nationwide inpatient database	J Infect Chemother	31(1)	102457	2025
Lin J, Sato S, Aso S, Fushimi K, Matsui H, Yasunaga H	Association of comorbid schizophrenia with cancer stage at admission, treatments, length of stay, and 30-day in-hospital mortality in patients with pancreatic cancer: A retrospective matched-pair cohort study in Japan	Eur J Cancer	222	115468	2025
Maki H, Isogai T, Michihata N, Matsui H, Fushimi K, Yasunaga H	Sodium-glucose co-transporter-2 inhibitors versus dipeptidyl peptidase-4 inhibitors on in-hospital mortality following pneumonia without heart failure: A retrospective cohort study of older adults with diabetes	Respir Investig	63(1)	88-93	2025
Maki W, Kitaoka H, Aso S, Ono S, Kato M, Yasunaga H	Validity of diagnoses, procedures, and birth records in a Japanese administrative claims database for pediatric patients	Pediatr Int	67(1)	e70178	2025
Makimoto H, Yamana H, Isogai T, Matsui H, Fushimi K, Yasunaga H, Kohro T	Association Between Periprocedural Anticoagulation in Ventricular Tachycardia Ablation and Postprocedural Stroke and Intracranial Hemorrhage	JACC Asia	5(4)	595-598	2025
Makito K, Fujita A, Honda A, Okada A, Yasunaga H	Trends in Nonsurgical Interventions and Analgesic Medications for Low Back Pain: A Large Claims Database Study in Japan	Pain Pract	25(8)	e70080	2025
Matsui H, Fushimi K, Yasunaga H	Development and validation of a distributed representation model of Japanese high-dimensional administrative claims data for clinical epidemiology studies	BMC Med Res Methodol	25(1)	95	2025
Matsumoto T, Hatano M, Takeda R, Matsuo Y, Tanaka S, Yasunaga H	Increasing utilization of total ankle arthroplasty in Japan: Trends and regional variations over 12 Years from a national database	J Orthop Sci	30(6)	1094-1100	2025
Matsuo Y, Miyawaki A, Watanabe H, Matsui H, Fushimi K, Yasunaga H	Potassium Iodide Use and Patient Outcomes for Thyroid Storm: An Observational Study	J Clin Endocrinol Metab	110(2)	e310-e320	2025
Matsuo Y, Shibahara T, Yasunaga H	Outcomes associated with use of makyokansekitto, a Japanese herbal kampo medicine, in outpatients with community-acquired pneumonia: A retrospective cohort study	J Gen Fam Med	26(5)	427-434	2025

Miike S, Matsuo Y, Sasabuchi Y, Aso S, Fushimi K, Matsui H, Yasunaga H	Treatment patterns and outcomes of patients hospitalized for leptospirosis in endemic and non-endemic regions in Japan, 2010-2023: A nationwide inpatient database study	J Infect Chemother	31(9)	102786	2025
Miyake S, Miyawaki A, Matsui H, Kimura Y, Yasunaga H	Hospital Discharge Prescription of Drugs That May Raise Blood Pressure in Patients With Hypertension	Pharmacoepidemiol Drug Saf	34(5)	e70150	2025
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Morita T, Sasabuchi Y, Yamana H, Hosoi T, Ogawa S, Ohbe H, Matsui H, Fushimi K, Yasunaga H	Effect of a Financial Incentive Scheme for Medication Review on Polypharmacy in Elderly Inpatients With Dementia: A Retrospective Before-and-After Study	J Patient Saf	21(1)	30-34	2025
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Nakashima S, Egashira S, Aso S, Yasunaga H, Sato K, Niimi Y, Isogai T, Matsui H, Shiota Y, Hamada M, Fushimi K, Toda T, Kodama S	Contact Aspiration Combined with a Stent Retriever versus Contact Aspiration Alone in Mechanical Thrombectomy for Acute Ischemic Strokes: A Nationwide Analysis Using the Diagnosis Procedure Combination Database	J Neuroendovasc Ther	19(1)	2025-0105	2025
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Okada A, Otsuka Y, Inoue R, Hashimoto Y, Kurakawa KI, Yasunaga H, Nangaku M, Yamauchi T, Yamaguchi S, Kadowaki T	Adherence to physician visits for diabetes care and cardiovascular disease risk: A retrospective cohort study using an administrative claims database	Diabetes Metab Obes	27(8)	4590-4593	2025

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Sakurai Y, Michihata N, Osada K, Kobayashi S, Sakamoto W, Uchida Y, Ishii K, Yokohari H, Kurosawa H, Isogai T, Matsui H, Fushimi K, Yasunaga H	Patient Backgrounds and Outcomes of Mechanically Ventilated Children Treated in ICUs Versus General Wards in Japan: A Retrospective Cohort Study Using a National Inpatient Database	Crit Care Med	53(12)	e2497-e2505	2025
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Sato S, Sasabuchi Y, Okada A, Yasunaga H	Association between self-reported difficulty in chewing or swallowing and frailty in older adults: A retrospective cohort study	Geroscience	47(3)	3497-3505	2025
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Sato S, Sasabuchi Y, Okada A, Yasunaga H	Incidence of New Fractures in Older Patients with Osteoporosis Receiving Biosimilar Teriparatide or Brand-name Reference Products: A Retrospective Cohort Study	British Journal of Clinical Pharmacology	91(1)	143-150	2025
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Sato T, Ohbe H, Sasabuchi Y, Inokuchi R, Yasunaga H, Doi K	Impact of COVID-19 on resuscitation after hospital arrival for patients with out-of-hospital cardiac arrest: An interrupted time series analysis	Acute Med Surg	12(1)	e70039	2025
Sato T, Sasabuchi Y, Inokuchi R, Aso S, Yasunaga H, Doi K	Mortality of severe pneumonia treated with methylprednisolone versus hydrocortisone: a propensity-matched analysis	J Intensive Care	13(1)	39	2025
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Shirasaki K, Ohbe H, Hifumi T, Okajima M, Otani N, Yasunaga H	Association Between Patients' Admission to the ICU and Psychological Disorders in Their Families: A Retrospective Matched-Pair Cohort Study	Crit Care Med	53	e1963-e1972	2025

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Sugai S, Sasabuchi Y, Yasunaga H, Aso S, Matsui H, Fushimi K, Yoshihara K, Nishijima K	Impact of gestational age on the management of acute appendicitis during pregnancy: a nationwide observational study	International Journal of Gynecology and Obstetrics	168(3)	1047-1054	2025
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Suzuki Y, Kaneko H, Okada A, Komuro J, Ko T, Fujii K, Takeda N, Morita H, Nishiyama A, Ieda M, Node K, Yasunaga H, Nangaku M, Komuro I	Kidney outcomes with SGLT2 inhibitor vs DPP4 inhibitor use in older adults with diabetes	Nephrol Dial Transplant	40(3)	495-504	2025
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Takamoto N, Aso S, Konishi T, Fujiogi M, Morita K, Kutsukake M, Yanagida Y, Matsui H, Fushimi K, Yasunaga H, Fujishiro J	Timing of surgery and outcomes in patients with congenital pulmonary airway malformation: a national inpatient database study	Pediatr Surg Int	41(1)	288	2025
Takamoto N, Konishi T, Fujiogi M, Kutsukake M, Morita K, Hashimoto Y, Matsui H, Fushimi K, Yasunaga H, Fujishiro J	Clinical course and management of pediatric gastroduodenal perforation beyond neonatal period	Pediatr Neonatol	66(5)	424-429	2025
Tanaka C, Tagami T, Nakayama F, Kuno M, Kitamura N, Yasunaga H, Aso S, Takeda M, Unemoto K	Changes Over 7 Years in Temperature Control Treatment and Outcomes After Out-of-Hospital Cardiac Arrest: A Japanese, Multicenter Cohort Study	Ther Hypothermia Temp Manag	15(1)	23-30	2025
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Taniguchi J, Aso S, Matsui H, Fushimi K, Yasunaga H	Association Between Ceftriaxone Use and Biliary Infections in Patients With Pneumonia: A Nationwide Retrospective Cohort Study	Pharmacoepidemiol Drug Saf	34(6)	e70162	2025
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