Covid Vaccination Programme

Vaccine Equity – Programme review
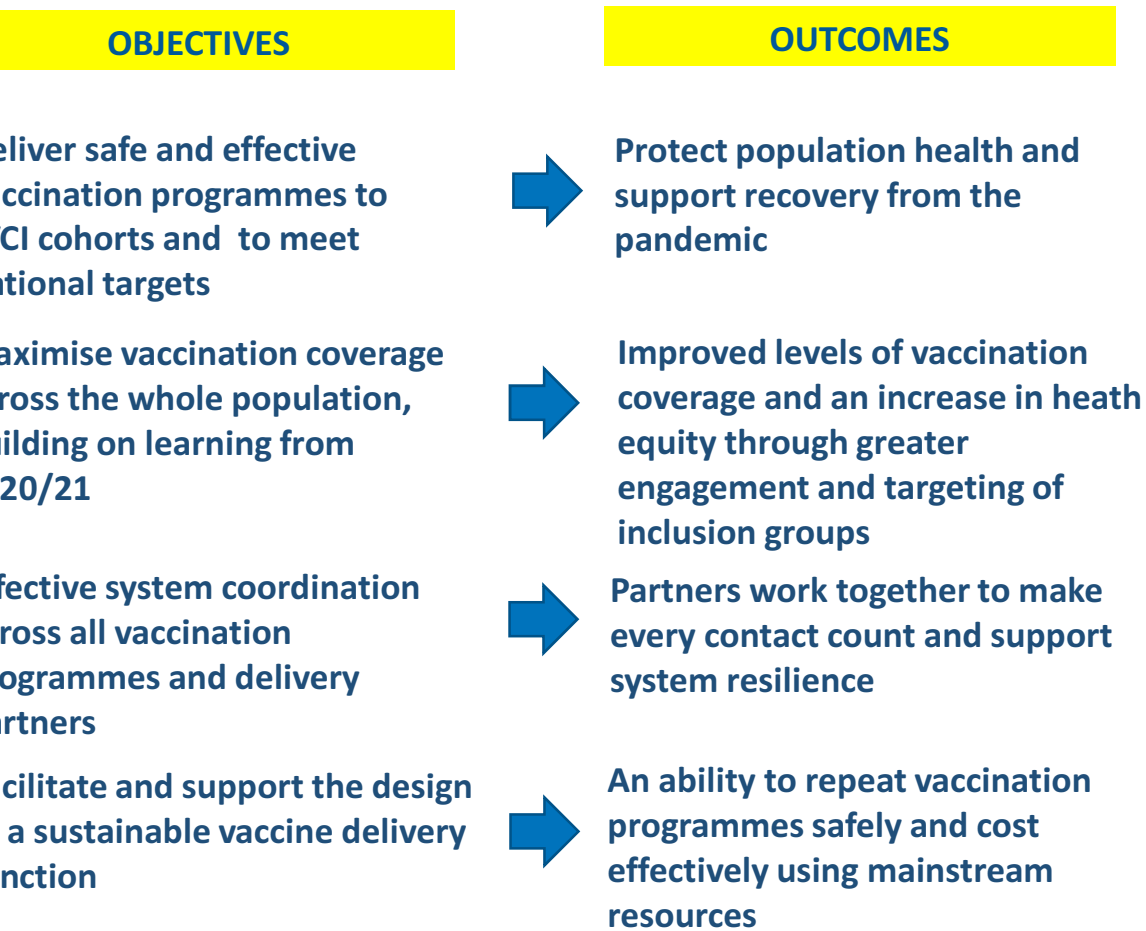
Dr Manisha Kumar, Medical Director

Manchester Health & Care Commissioning

Programme Overview

...e Manchester Vaccination Programme works to a set of agreed system objectives, outcomes ...d principles, with vaccine equity at the heart of the work we do

OBJECTIVES

...eliver safe and effective ...ccination programmes to ...CI cohorts and to meet ...tional targets

...aximise vaccination coverage ...ross the whole population, ...ilding on learning from ...20/21

...fective system coordination ...ross all vaccination ...ogrammes and delivery ...rtners

...cilitate and support the design ...a sustainable vaccine delivery ...nction

OUTCOMES

→ Protect population health and support recovery from the pandemic

→ Improved levels of vaccination coverage and an increase in heath equity through greater engagement and targeting of inclusion groups

→ Partners work together to make every contact count and support system resilience

→ An ability to repeat vaccination programmes safely and cost effectively using mainstream resources

PRINCIPLES

We are DATA DRIVEN

We are COMMUNITY INFORMED

We innovate, review & evaluate

We work as ONE TEAM

We work to a SINGLE AGREED OUTCOME

We FLEX & FOCUS according to need

We offer SCALE & BESPOKE services

Citywide Vaccination Delivery Model

...**ngle system approach** focused on 'place' and 'person'

8 Local Vaccination Sites
Run by 14 Primary Care Networks
including bespoke clinics

15 Community Pharmacy sites citywide

Mass Vaccination Centre, Etihad Campus

3 Hospital Hubs Manchester Foundation Tru...

Evening

Weekend

Frontline health & care staff
Surge capacity
Pregnant women
Specific patient groups

Prebook

Walk in

GP Practice 'Back to Practice' & Walk In Offers

Mobile offer to Care Homes, Housebound, & Wider Care Settings

Roving Model Pop Up Clinics Mobile Vans

Key Vaccine Equity Challenges

...anchester's population creates a unique set of challenges which impact on vaccine coverage

...Diversity of language, culture and health belief. The proportion of the ...opulation from a non-White British ethnic group is twice the average for English ...ocal authorities as a whole. The number of different ethnic groups living in ...Manchester is higher than any other UK city outside of London. It is estimated that ...ver 200 languages are spoken in the city, with 1 in 5 of Manchester residents non-...UK nationals

...High levels of deprivation. Manchester is the 6th most deprived local authority in ...ngland, with c.43% of areas within the city classed as being in the most deprived ...0% of areas in England. Levels of digital exclusion in the city are high

...High levels of multiple and complex health needs. Life expectancy at birth for ...oth men and women in Manchester is the 5th lowest in England

...Our population is highly mobile, transient and the youngest in the country. ...learly 50% are under 25

...Historic lack of trust in public institutions including health services within ...ome groups and communities
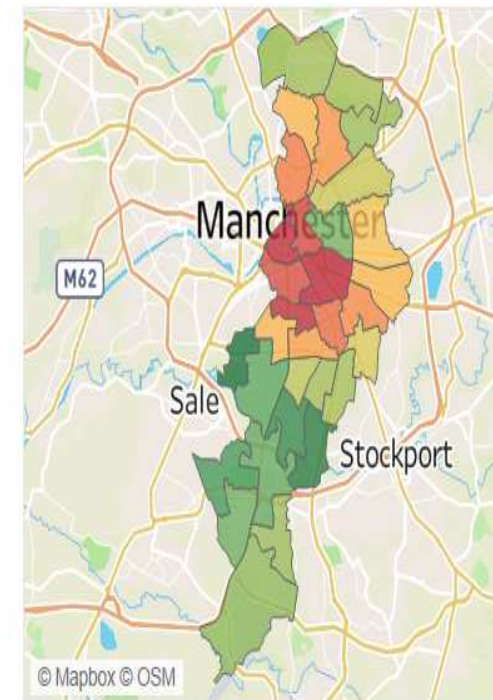
Uptake   46%

Heatmap showing variation in coverage across the city Octob... 2021

Strategic Approach to Vaccine Equity

We co-ordinate activity through a Citywide Vaccine Equity Group

We use high quality data to drive our strategic and operational approaches and monitor the impact of activity

We focus on short to mid-term actions - acknowledging that the issues underpinning low coverage are long-standing and building trust with particular groups is an ongoing process

Work takes place at citywide and neighbourhood level on proactive and targeted design of vaccination service offers, supported by high quality communication & community engagement approaches

We work through Covid Health Equity Manchester & Sounding Boards and other community partners to inform our approaches and extend our reach within particular communities

We focus on increasing coverage across three broad groups in response to performance data

- **Ethnicity:** primarily Black African, Black Caribbean and South Asian
- **Disabled People:** particularly people with Learning Disability; Severe Mental Illness
- **Inclusion Groups:** Refugees & Asylum Seekers; Homeless people; sex workers, Gypsy, Roma & Traveller communitie

Our Manchester Data

...e quality and granularity of data on the progress of the vaccination programme is high. We accurately track vaccin... ...verage against protected characteristics and neighbourhood based inequalities and this is used to drive activity
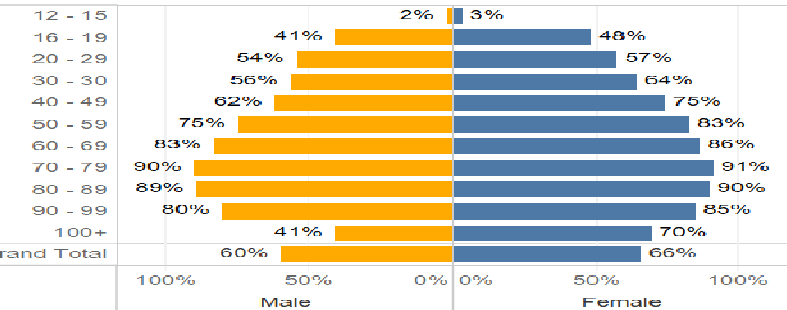
...ummary

...egistered Patients: 590,480
...tients receiving 1st Dose: 361,766 (61.3% of registered)
...tients receiving 2nd Dose: 313,367 (53.1% of registered)

...hoose a dose to view uptake:

Dose 1

Medication for Dose 1

AstraZeneca	154,615	43%
Moderna	12,583	3%
Pfizer-BioNTech	201,190	54%
Unknown	1,328	0%

Medication for Dose 2

AstraZeneca	148,020	4...
Moderna	10,235	3%
Pfizer-BioNTech	171,168	5...
Unknown	92	

...riority Cohort

		Eligible	Vacc	Percentage
: Care Home	Care Home Re..	1,688	1,567	92.8%
..sident Age 6..	Care Home Wo..	113	102	90.3%
: Age 80 and..	Age 80 and over	14,472	12,731	88.0%
: Age 75 – 79	Age 75 – 79	11,037	10,016	90.7%
: Age 70 – 74	Age 70 – 74	16,326	14,702	90.1%
R Shielding OR	QCOVID	14,380	11,964	83.2%
COVID	Shielding Age..	12,685	11,088	87.4%
: Age 65 – 69	Age 65 – 69	17,468	14,936	85.5%
Higher Risk	Higher Risk	69,244	55,654	80.4%
: Age 60 – 64	Age 60 – 64	14,188	10,957	77.2%
: Age 55 – 59	Age 55 – 59	20,527	15,368	74.9%
: Age 50 – 54	Age 50 – 54	26,093	18,944	72.6%
: Age 40 – 49	Age 45 – 49	31,389	20,700	65.9%
	Age 40 – 44	40,676	25,097	61.7%
: Age 30 – 39	Age 35 – 39	50,143	29,503	58.8%
	Age 30 – 34	58,385	32,839	56.2%
: Age 18 – 29	Age 18 – 29	142,385	77,135	54.2%
: Age 12 – 17	Age 17 (18 in <..	1,841	685	37.1%
	Age 16 – 17 At..	1,409	616	43.7%
: Age 12 – 17	Age 12 – 15 At	3,090	190	6.1%
Risk				
: Age 12 – 17	Age 12 – 15 No..	30,892	592	1.9%
Risk	Age 16 – 17 No..	12,046	3,631	30.1%
Grand Total				62.5%

Ethnicity

		Eligible	Vacc	Percentage
White	English, Welsh, Scotti..	227,914	178,189	78.2%
	Irish	7,362	5,503	74.7%
	Any other White back..	40,728	19,306	47.4%
	Roma	29	11	37.9%
	Gypsy or Irish Travell..	268	65	24.3%
Asian or Asian British	Bangladeshi	5,990	4,216	70.4%
	Indian	15,094	10,052	66.6%
	Pakistani	51,575	33,042	64.1%
	Any other Asian back..	16,159	8,420	52.1%
	Chinese	20,127	7,558	37.0%
Black, African, Caribbean or..	African	33,576	18,133	54.0%
	Caribbean	7,948	3,957	49.8%
	Any other Black, Afric..	8,646	3,868	44.7%
Mixed or Multiple ethnic groups	White and Asian	2,744	1,651	60.2%
	White and Black Afric..	4,430	2,224	50.2%
	Any other Mixed or M..	6,239	3,061	49.1%
	White and Black Cari..	4,182	1,915	45.8%
Status Unknown	Declined to provide et..	7,832	4,103	52.4%
	No record of ethnicity..	103,331	51,258	49.6%
Other ethnic gr..	Arab	4,921	2,522	51.2%
	Any other ethnic group	21,085	9,963	47.3%
Grand Total				62.5%

Electoral Ward Map

...ge and Gender

Age	Male	Female
12 – 15	2%	3%
16 – 19	41%	48%
20 – 29	54%	57%
30 – 39	56%	64%
40 – 49	62%	75%
50 – 59	75%	83%
60 – 69	83%	86%
70 – 79	90%	91%
80 – 89	89%	90%
90 – 99	80%	85%
100+	41%	70%
Grand Total	60%	66%

Indices of Multiple Deprivation (IMD)

Higher Score = Higher Deprivation

IMD Score	Eligible	Vacc	Percentage
80 – 89	4	3	75.0%
70 – 79	24,284	14,757	60.8%
60 – 69	45,802	27,123	59.9%
50 – 59	94,785	57,019	60.2%
40 – 49	111,8..	67,262	60.1%
30 – 39	90,376	55,303	61.2%
20 – 29	146,9..	89,078	60.6%
10 – 19	59,848	45,296	75.7%
0 – 9	12,745	10,193	80.0%
Unknown	3,857	2,683	69.6%
Grand Total			62.5%

Breakdown of ... Electoral Ward

Chorlton	78.3%
Didsbury East	76.8%
Didsbury West	74.7%
Brooklands	73.0%
Chorlton Park	70.8%
Northenden	70.3%
Baguley	69.5%
Ancoats and Beswick	68.8%
Woodhouse Park	67.5%
Sharston	66.7%
Moston	66.5%
Higher Blackley	66.2%
Withington	65.9%
Burnage	65.9%
Charlestown	

COVID Vaccination Coverage as of October 9, 2021: Summary Position

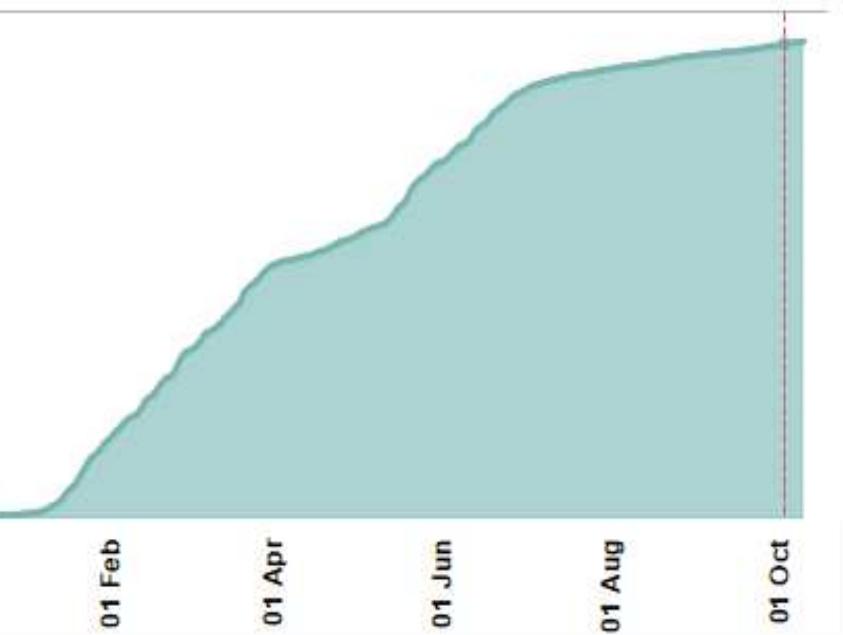*Data Source: NIMS, Patients Registered with a Manchester GP Practice Only*

| accination Doses Given	Change since previous week
370,317 first doses given	△ **1,995**

Cumulative Doses

01 Feb   01 Apr   01 Jun   01 Aug   01 Oct

First Dose Coverage by Cohort (change since previous week)

Cohort	Vaccinated	Eligible	% Coverage
Age 80+	12,990	14,416	90.1%
Age 75 - 79	9,815	10,782	91.0%
Age 70 - 74	14,711	16,241	90.6%
Clinically Extremel..	33,471	38,344	87.3%
Age 65 - 69	17,238	19,937	86.5%
COVID19 at risk	71,297	89,217	79.9%
Age 60 - 64	22,106	26,602	83.1%
Age 55 - 59	27,009	33,702	80.1%
Age 50 - 54	29,837	38,641	77.2%
Age 40 - 49	62,277	91,662	67.9%
Age 30 - 39	75,241	124,707	60.3%
Age 18 - 29	91,310	161,883	56.4%
Age 16 - 17	6,034	15,737	38.3%
Grand Total	370,317	559,318	**66.2%**

This is the most up to date data available on vaccination coverage, taken from the National Immunisati Management System (NIMS). This the same data source that is used f national daily reporting.

Please note that there is double counting within the Cohorts, e.g. if patient is 73 years old and Clinical Extremely Vulnerable they will app in both the *Age 70 - 74* and *Clinica Extremely Vulnerable* cohorts.

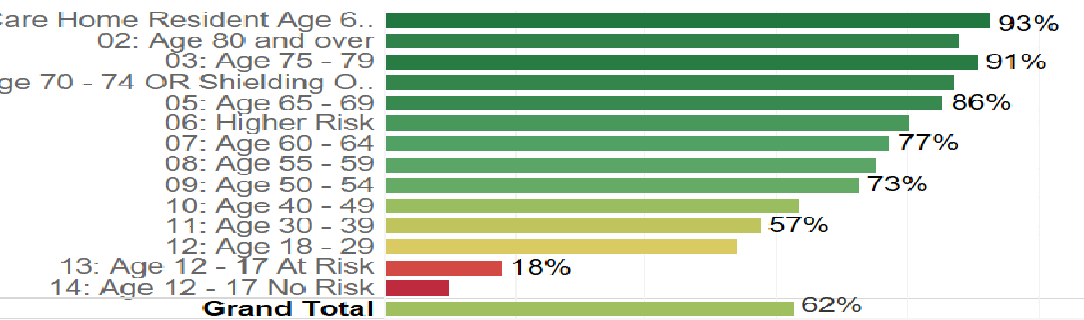# COVID Vaccination Coverage as of October 9, 2021: Summary Position

Data Source: NIMS, Patients Registered with a Manchester GP Practice Only

accination Doses Given

	Change since previous week
,252 second doses given	△ **2,358**

Cumulative Doses

01 Feb | 01 Apr | 01 Jun | 01 Aug | 01 Oct
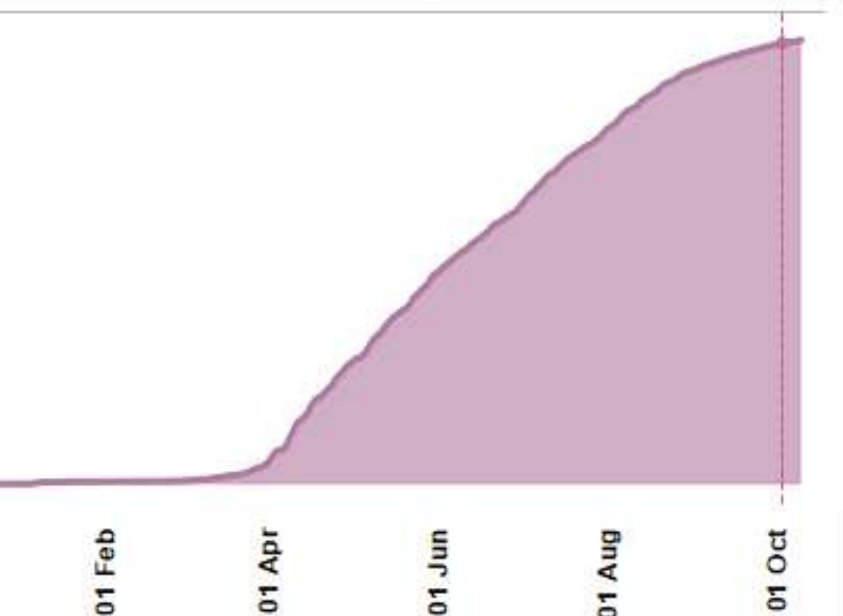
Second Dose Coverage by Cohort (change since previous week)

Cohort	Vaccinated	Eligible	% Coverage
Age 80+	12,755	14,416	88.48%
Age 75 - 79	9,678	10,782	89.76%
Age 70 - 74	14,448	16,241	88.96%
Clinically Extremel..	32,049	38,344	83.58%
Age 65 - 69	16,871	19,937	84.62%
COVID19 at risk	66,526	89,217	74.57%
Age 60 - 64	21,475	26,602	80.73%
Age 55 - 59	26,014	33,702	77.19%
Age 50 - 54	28,479	38,641	73.70%
Age 40 - 49	57,945	91,662	63.22%
Age 30 - 39	67,645	124,707	54.24%
Age 18 - 29	77,398	161,883	47.81%
Age 16 - 17	1,526	15,737	9.70%
Grand Total	334,252	559,318	59.76%

This is the most up to date data available on vaccination coverage, taken from the National Immunisati Management System (NIMS). This the same data source that is used national daily reporting.

Please note that there is double counting within the Cohorts, e.g. if patient is 73 years old and Clinicall Extremely Vulnerable they will app in both the *Age 70 - 74* and *Clinic Extremely Vulnerable* cohorts.

Our Manchester Data Drive: Inequalities summary

...use data to understand vaccine coverage based on ethnicity, sex, age, disability and long term health condition at ...ctice/PCN, Neighbourhood and Citywide level

...rrently Priority Cohorts 1 - 14 are in scope for vaccination
...ing the latest patient level data available first vaccination dose uptake
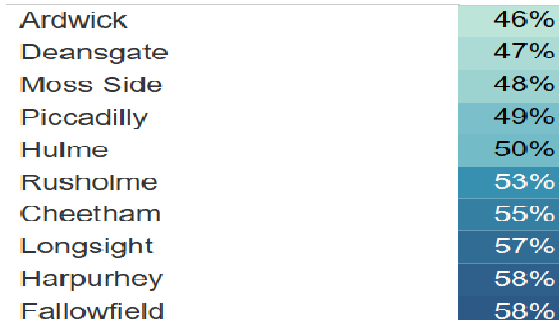...2% (369,017 / 590,480)

...ke by Priority Cohort

- ...Care Home Resident Age 6.. — 93%
- 02: Age 80 and over — 91%
- 03: Age 75 - 79 —
- ...ge 70 - 74 OR Shielding O.. — 86%
- 05: Age 65 - 69 —
- 06: Higher Risk — 77%
- 07: Age 60 - 64 —
- 08: Age 55 - 59 — 73%
- 09: Age 50 - 54 —
- 10: Age 40 - 49 — 57%
- 11: Age 30 - 39 —
- 12: Age 18 - 29 —
- 13: Age 12 - 17 At Risk — 18%
- 14: Age 12 - 17 No Risk —
- Grand Total — 62%

...ke by Electoral Ward

...toral Ward information is available for patients who are registered ...a Manchester GP. There will be patients who live in a Manchester ...d that are not registered with a Manchester GP.

Lowest uptake in:

Ward	Uptake
Ardwick	46%
Deansgate	47%
Moss Side	48%
Piccadilly	49%
Hulme	50%
Rusholme	53%
Cheetham	55%
Longsight	57%
Harpurhey	58%
Fallowfield	58%

46% █████████ 78%
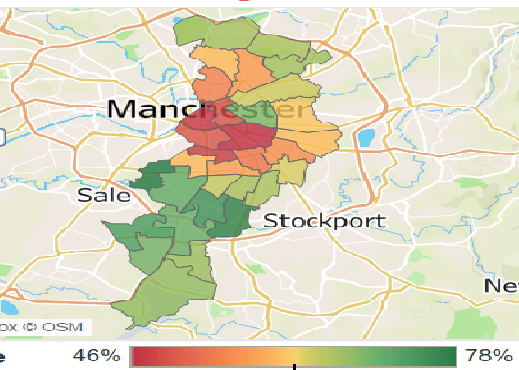
Uptake by Ethnicity

Ethnicity		Uptake	Male Uptake	Female Uptake	Diff
White	English, Welsh, Scottish, N..	78%	77%	80%	3%
	Irish	75%	73%	76%	3%
	Any other White background	47%	44%	51%	7%
	Roma	38%	33%	41%	8%
	Gypsy or Irish Traveller	24%	25%	24%	1%
Asian or Asian British	Bangladeshi	70%	66%	75%	8%
	Indian	67%	61%	73%	12%
	Pakistani	64%	61%	68%	7%
	Any other Asian background	52%	49%	55%	6%
	Chinese	37%	38%	37%	1%
Black, African, ..	African	54%	51%	57%	6%
	Caribbean	50%	49%	51%	2%
	Any other Black, African or ..	45%	41%	48%	7%
Mixed or Multiple ethnic gr..	White and Asian	60%	60%	61%	1%
	White and Black African	50%	48%	53%	5%
	Any other Mixed or Multiple..	49%	46%	52%	7%
	White and Black Caribbean	46%	45%	47%	2%
Status U..	Declined to provide ethnicit..	52%	50%	55%	5%
	No record of ethnicity status	50%	46%	54%	8%
Other et..	Arab	51%	50%	52%	2%
	Any other ethnic group	47%	45%	50%	6%
Grand Total		62%	60%	66%	6%

Ethnicity status is based on information within GP records only.

Change in Uptake over the last 3 weeks

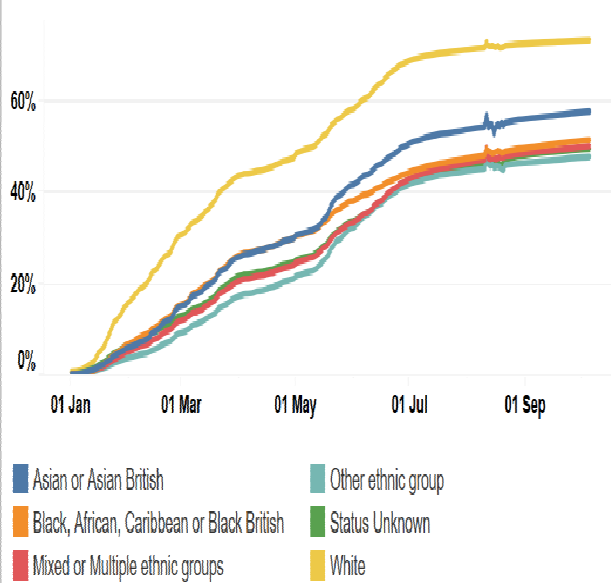- Difference in uptake between White and BAME pts is decreasing (-0.6%)

74% ●●●●●●●●●●●●●●●●●●●●●●● 75

62% ●●●●●●●●●●●●●●●●●●●●●●● 62

56% ●●●●●●●●●●●●●●●●●●●●●●● 57

■ White ■ BAME ■ City
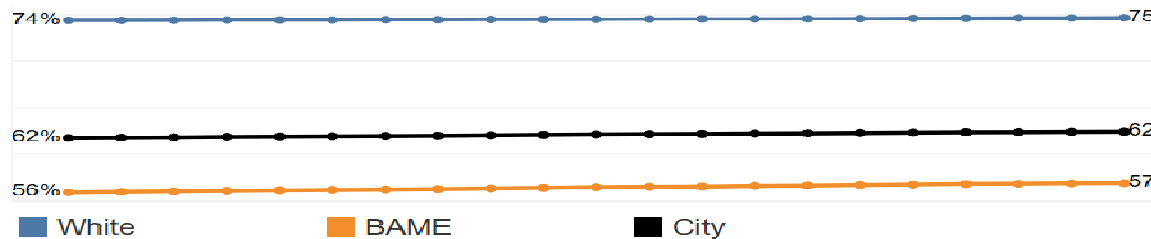
Spotlight on Ethnicity Data

...example shows how we track first dose coverage for Priority Cohorts 1 – 14 by ethnicity, and the change in covera... ...ifferent ethnic groups in a two week period. We track whether and where the gap is increasing or decreasing to ...rm engagement, pop up clinics and communications

First Dose Coverage by Ethnicity

	Vaccinated	Eligible	% Coverage (increase from 2 weeks ago)
...h, Welsh, Scottish..	5,501	7,362	74.7%
...other White backgr..	178,183	227,914	78.2%
...y or Irish Traveller	19,306	40,728	47.4%
...adeshi	65	268	24.3%
	4,215	5,990	70.4%
...ani	10,051	15,094	66.6%
...other Asian backgr..	33,041	51,575	64.1%
...se	8,419	16,159	52.1%
...ean	7,557	20,427	37.0%
...n	3,957	7,948	49.8%
...other Black, African..	18,133	33,576	54.0%
...ed to provide ethn..	3,867	8,646	44.7%
...cord of ethnicity st..	4,103	7,832	52.4%
...and Asian	51,257	103,331	49.6%
...and Black African	1,650	2,744	60.1%
...other Mixed or Multi..	2,224	4,430	50.2%
...and Black Caribb..	3,061	6,239	49.1%
	1,915	4,182	45.8%
...other ethnic group	2,522	4,921	51.2%
	9,962	21,085	47.2%
			62.5%

Trend in First Dose Coverage by Ethnicity

Legend:
- Asian or Asian British
- Black, African, Caribbean or Black British
- Mixed or Multiple ethnic groups
- Other ethnic group
- Status Unknown
- White

This slide uses patient level data flowing from NIMS to GP Clinical Systems. This means that the data is a few days behind NIMS.

Ethnicity data is based on information stored within GP Practice records only. Approximately 20% of patients do not have their Ethnicity recorded and work is ongoing to reduce this.

Change in First Dose Coverage by Ethnicity from 2 weeks ago

Ethnicity	Eligible	Change in % Coverage (Additional Patients Vaccinated)
Declined to provide ethnicity status	7,832	1.1% (+89)
White and Black African	4,430	1.0% (+44)
Pakistani	51,575	0.9% (+459)
Arab	4,921	0.8% (+39)
African	33,576	0.7% (+245)
Any other Black, African or Caribbe..	8,646	0.7% (+57)
Bangladeshi	5,990	0.6% (+37)
Any other Asian background	16,159	0.6% (+94)
Indian	15,094	0.5% (+81)
Any other Mixed or Multiple ethnic ..	6,239	0.5% (+33)
No record of ethnicity status	103,331	0.5% (+511)
Any other ethnic group	21,085	0.5% (+104)
White and Black Caribbean	4,182	0.4% (+18)
Chinese	20,427	0.4% (+82)
White and Asian	2,744	0.4% (+11)
Caribbean	7,948	0.4% (+28)
English, Welsh, Scottish, Northern I..	227,914	0.3% (+690)
Any other White background	40,728	0.3% (+115)
Irish	7,362	0.2% (+15)
Gypsy or Irish Traveller	268	0.0% (+0)
Grand Total		0.5% (+2,752)

First Dose Coverage Gap by Ethnicity

	21 Sep	05 Oct
White Coverage	73.2%	73.5%
BAME Coverage	53.8%	54.5%
Difference in Coverage	19.4%	19.0%

The difference in first dose vaccination coverage between White a... has **decreased** by **0.4%** over the last 14 days. This has **decrease**... gap across Manchester.

This slide uses patient level data flowing from NIMS to GP Clinical... means that the data is a few days behind NIMS.

Ethnicity data is based on information stored within GP Practice re... Approximately 20% of patients do not have their Ethnicity recorded... ongoing to reduce this.

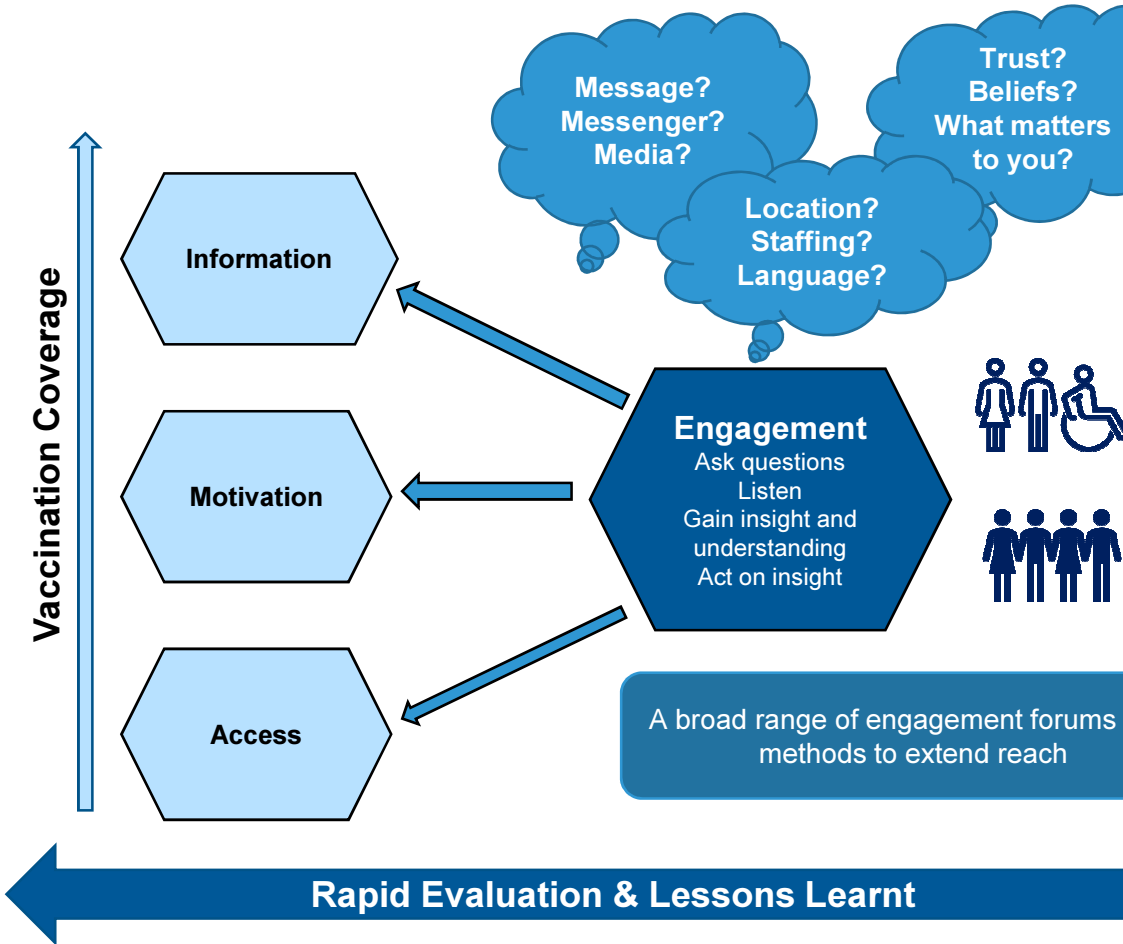# Our Vaccine Equity response focuses on three interrelated areas

...CESS

...easing capacity and opportunities to be
...cinated, improving the ways in which people can
...ess these opportunities and removing barriers that
...ke it difficult for people to get their vaccine

...ORMATION

...vision of tailored, targeted and culturally
...mpetent information about Covid and vaccination
...h bespoke use of the "3Ms" as appropriate for the
...et audience (Message, Messenger, Media);

...TIVATION

...vities that create conditions for people to want
...vaccine and build trust and confidence in the
...cine.

Vaccination Coverage

Information

Motivation

Access

Message?
Messenger?
Media?

Trust?
Beliefs?
What matters
to you?

Location?
Staffing?
Language?

Engagement
Ask questions
Listen
Gain insight and
understanding
Act on insight

A broad range of engagement forums
methods to extend reach

Rapid Evaluation & Lessons Learnt

DEEP DIVE: how we are addressing vaccine equity in Manchester for specific communities

Ethnic Group - Pakistani

...ke across **Priority Cohorts 1 - 14** for Pakistani patients is **64.1% (33,042 / 51,575)**

...City average for Priority Cohorts 1 - 14 is **62.5%**

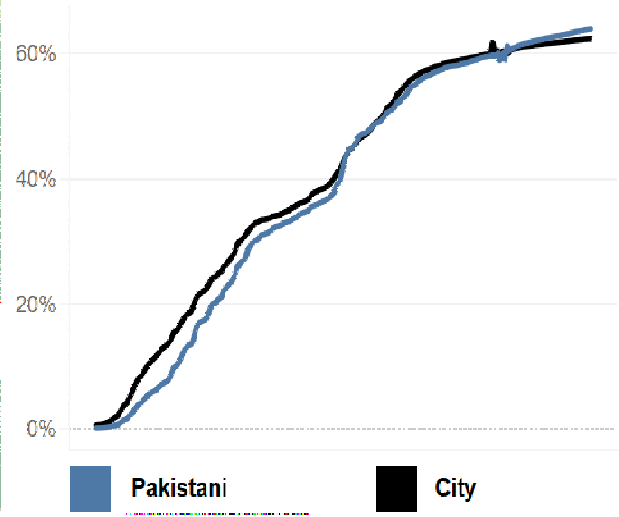...ke for Pakistani patients is therefore **1.6% higher** than the City average

...est variation in the **Age 75 - 79 cohort**, with uptake **11.5% below** the City average

...ke is lowest in **Male** patients (Male uptake of 60.9% vs Female uptake of 67.7%)

y Cohorts	Pakistan	City	Diff
...re Home Resident Ag..	89.5%	92.7%	-3.2%
...e 80 and over	79.4%	88.0%	-8.6%
...e 75 - 79	79.2%	90.7%	-11.5%
...e 70 - 74 OR Shieldin..	85.7%	87.0%	-1.3%
...e 65 - 69	82.4%	85.5%	-3.1%
...her Risk	82.2%	80.4%	1.8%
...e 60 - 64	73.3%	77.2%	-3.9%
...e 55 - 59	73.7%	74.9%	-1.2%
...e 50 - 54	76.1%	72.6%	3.5%
...e 40 - 49	71.7%	63.5%	8.2%
...e 30 - 39	62.2%	57.4%	4.8%
...e 18 - 29	60.1%	54.0%	6.1%
...e 12 - 17 At Risk	19.1%	17.9%	1.2%
...e 12 - 17 No Risk	9.8%	9.8%	0.0%
...Total	64.1%	62.5%	1.6%

	Pakistani	City	Diff
	60.9%	59.6%	1.3%
	67.7%	65.6%	2.1%
...Total	64.1%	62.5%	1.6%

Coverage in Pakistani patients has increased by 1.20% over the last 3 weeks, compared to 0.64% across the City.
Coverage for Pakistani patients has increased more over the last 3 weeks than the City average.

Change in Uptake since 1st January 2021

Legend: Pakistani / City

CHALLENGE:
Uptake lower in the Pakistani population when compar...
to the City of Manchester.
20th Feb – 13.1% < 18.3%
30th March - 30.1% < 32.9%

RESPONSE:
- Vaccine clinics with Urdu and Punjabi-speaking vaccinators
- Key community leaders promoting vaccine uptake - Imam/GP's/community leaders
- Eid cards containing positive vaccine messages delivered to local Muslim community groups & schools
- Targeted pop ups at Mosques across the city
- Community events with MCR Active and the Counc... Information was tailored to residents in Urdu and Punjabi

OUTCOMES:
Uptake for the Pakistani population initially closed the ...
and is now higher than the average in the City of Manchester.
24th June – 53.7% < 54.9%
20th September – 63% > 62%

Ethnic Group - Bangladeshi

...e across **Priority Cohorts 1 - 14** for Bangladeshi patients is **70.4% (4,216 / 5,990)**

...ty average for Priority Cohorts 1 - 14 is **62.5%**

...e for Bangladeshi patients is therefore **7.9% higher** than the City average

...t variation in the **Age 75 - 79 cohort**, with uptake **5.0% below** the City average

...e is lowest in **Male** patients (Male uptake of 66.5% vs Female uptake of 74.7%)

Cohorts	Bangladeshi	City	Diff
..Home Resident Ag..	100.0%	92.8%	7.2%
..80 and over	89.3%	88.0%	1.4%
..75 - 79	85.7%	90.7%	-5.0%
..70 - 74 OR Shieldin..	92.8%	87.0%	5.8%
..65 - 69	86.2%	85.5%	0.7%
..er Risk	87.5%	80.4%	7.1%
..60 - 64	77.6%	77.2%	0.3%
..55 - 59	88.3%	74.9%	13.5%
..50 - 54	88.6%	72.6%	16.0%
..40 - 49	80.4%	63.5%	16.9%
..30 - 39	67.3%	57.4%	9.9%
..18 - 29	63.9%	54.0%	9.9%
..12 - 17 At Risk	18.6%	17.9%	0.7%
..12 - 17 No Risk	13.5%	9.8%	3.7%
..otal	70.4%	62.5%	7.9%

	Bangladeshi	City	Diff
	66.5%	59.6%	6.9%
	74.7%	65.6%	9.0%
..otal	70.4%	62.5%	7.9%

Coverage in Bangladeshi patients has increased by 0.90% over the last 3 weeks, compared to 0.64% across the City.
Coverage for Bangladeshi patients has increased more over the last 3 weeks than the City average.

Change in Uptake since 1st January 2021
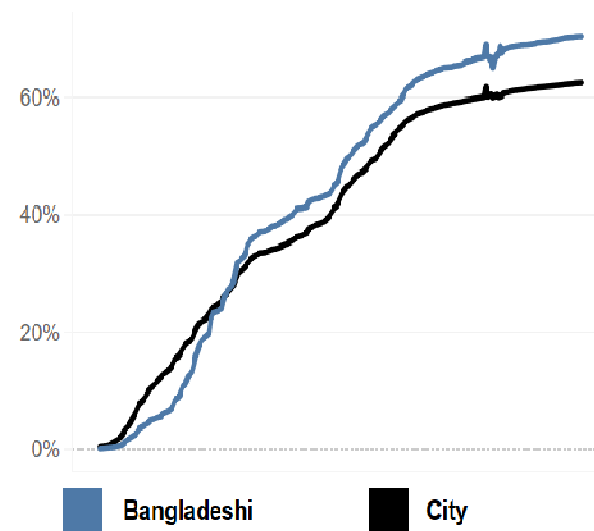
Bangladeshi   City

CHALLENGE:
Uptake lower in the Bangladeshi population when compared to the City of Manchester.
5th Feb – 5.7% < 12.4%
10th March - 23.7% < 25%

RESPONSE:
- Using Trusted community members to cascade key messages
- Eid-ul-Adha comms plan included positive vaccine messages and letter from Director of Public Health to Mosques
- Targeted pop ups and QA sessions from clinical lea.. at Mosques
- Pregnancy QA session with the South Asian Sounding Board

OUTCOMES:
Uptake for the Bangladeshi population quickly closed gap and is now significantly higher than the average in the City of Manchester.
19th May – 46.9% > 42.5%
24th September – 70% > 62.2%

Ethnic Group - African

...ke across **Priority Cohorts 1 - 14** for African patients is **54.0% (18,133 / 33,576)**

...City average for Priority Cohorts 1 - 14 is **62.5%**

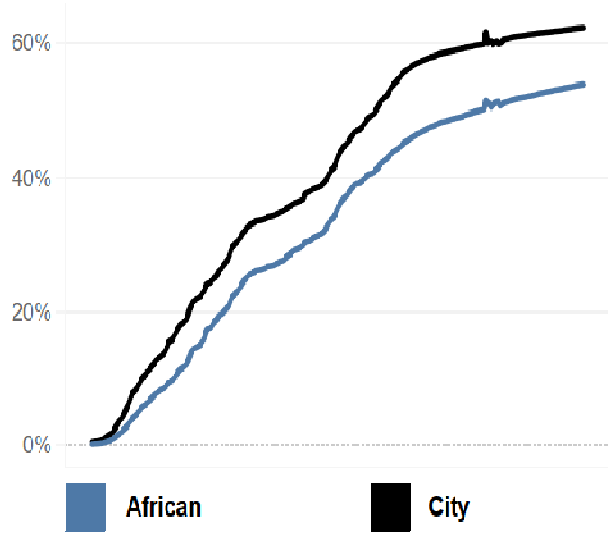...ke for African patients is therefore **8.5% lower** than the City average

...est variation in the **Age 75 - 79 cohort**, with uptake **22.4% below** the City average

...ke is lowest in **Male** patients (Male uptake of 51.1% vs Female uptake of 57.1%)

y Cohorts	African	City	Diff
...e Home Resident Ag..	85.2%	92.7%	-7.5%
...e 80 and over	68.9%	88.0%	-19.1%
...e 75 - 79	68.4%	90.7%	-22.4%
...e 70 - 74 OR Shieldin..	80.7%	87.0%	-6.3%
...e 65 - 69	69.2%	85.5%	-16.3%
...her Risk	73.7%	80.4%	-6.7%
...e 60 - 64	64.4%	77.2%	-12.8%
...e 55 - 59	69.9%	74.9%	-5.0%
...e 50 - 54	69.4%	72.6%	-3.2%
...e 40 - 49	65.3%	63.5%	1.8%
...e 30 - 39	52.9%	57.4%	-4.6%
...e 18 - 29	43.4%	54.0%	-10.6%
...e 12 - 17 At Risk	9.8%	17.9%	-8.1%
...e 12 - 17 No Risk	5.9%	9.8%	-4.0%
... Total	54.0%	62.5%	-8.5%

	African	City	Diff
	51.1%	59.6%	-8.5%
	57.1%	65.6%	-8.5%
Total	54.0%	62.5%	-8.5%

Coverage in African patients has increased by 1.03% over the last 3 weeks, compared to 0.64% across the City.

Over the last 3 weeks the difference in coverage between African patients and the City average has decreased, reducing inequalities.

Change in Uptake since 1st January 2021

African ▬ City ▬

CHALLENGE:
Uptake lower in the African population when compared... the City of Manchester.
5th Feb – 5.7% < 12.4%
10th March – 18.3% < 25%

RESPONSE:
- Lead GP took part in live Q&As on Instagram for you... population and on Radio Africana
- Covid Connectors sharing positive messages both fa... to-face and via social media, WhatsApp etc.
- Worked with African church leaders around sharing... information about local clinics
- Videos developed by members of the African comm... targeted at engaging their community
- Communities against Covid – MCLO and MCC teams... visited 5000 homes where data showed population... unvaccinated

OUTCOMES:
Despite work undertaken the gap between the African... population and the average in the City of Manchester h... remained.
30th May – 39.2% < 46.9%
1st September – 52% < 61.4%

Ethnic Group - Caribbean

...ake across **Priority Cohorts 1 - 14** for Caribbean patients is **49.8% (3,957 / 7,948)**

... City average for Priority Cohorts 1 - 14 is **62.5%**

...ake for Caribbean patients is therefore **12.7% lower** than the City average

...atest variation in the **Age 30 - 34 cohort**, with uptake **27.3% below** the City average

...ake is lowest in **Male** patients (Male uptake of 48.6% vs Female uptake of 50.8%)

...ity Cohorts	Caribbean	City	Diff
...are Home Resident Ag..	78.0%	92.7%	-14.7%
...ge 80 and over	77.2%	88.0%	-10.8%
...ge 75 - 79	81.6%	90.7%	-9.2%
...ge 70 - 74 OR Shieldin..	67.5%	87.0%	-19.5%
...ge 65 - 69	68.3%	85.5%	-17.2%
...igher Risk	54.9%	80.4%	-25.5%
...ge 60 - 64	57.2%	77.2%	-20.0%
...ge 55 - 59	52.4%	74.9%	-22.5%
...ge 50 - 54	53.8%	72.6%	-18.8%
...ge 40 - 49	41.4%	63.5%	-22.1%
...ge 30 - 39	31.4%	57.4%	-26.0%
...ge 18 - 29	31.9%	54.0%	-22.1%
...ge 12 - 17 At Risk	10.8%	17.9%	-7.1%
...ge 12 - 17 No Risk	2.1%	9.8%	-7.7%
...d Total	49.8%	62.5%	-12.7%

...er	Caribbean	City	Diff
...le	50.8%	65.6%	-14.8%
	48.6%	59.6%	-11.0%
...d Total	49.8%	62.5%	-12.7%

Coverage in Caribbean patients has increased by 0.47% over the last 3 weeks, compared to 0.64% across the City.

Over the last 3 weeks the difference in coverage between Caribbean and the City average has increased, increased inequalities.

Change in Uptake since 1st January 2021
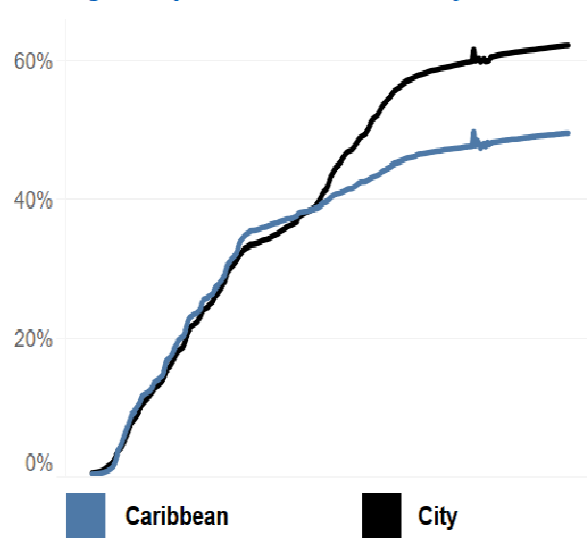
Caribbean — City

CHALLENGE:
Uptake in the Caribbean population was initially similar ... the City of Manchester average but there has been a significant drop off from cohort 4 onwards.
9th April - 36% > 34%
15th June – 43.4% < 51.7%

RESPONSE:
- Leaflets distributed by volunteers door-to-door, co-designed with the Rastafarian community in Moss S... and by Communities Against Covid (CAC) volunteers
- Neighbourhood engagement to promote walk-in spaceship venues at Belle Vue and Moss Side resulting in increase in uptake across both neighbourhoods
- Pop Ups at the West Indian sports & social club, churches and Asda in the Moss Side area

OUTCOMES:
Uptake for the Caribbean population has continued to f... below the average in the City of Manchester and remai... significant challenge.
15th August – 48% < 60.4%
25th September – 49.5% < 62.2%

Ethnic Group - Chinese

...ake across **Priority Cohorts 1 - 14** for Chinese patients is **37.0% (7,558 / 20,427)**

...City average for Priority Cohorts 1 - 14 is **62.5%**

...ake for Chinese patients is therefore **25.5% lower** than the City average

...atest variation in the **Age 18 - 29 cohort**, with uptake **32.4% below** the City average

...ake is lowest in **Female** patients (Male uptake of 37.6% vs Female uptake of 36.5%)

...ty Cohorts	Chinese	City	Diff
...are Home Resident Ag..	84.6%	92.7%	-8.1%
...ge 80 and over	81.2%	88.0%	-6.7%
...ge 75 - 79	83.6%	90.7%	-7.1%
...ge 70 - 74 OR Shieldin..	86.5%	87.0%	-0.5%
...ge 65 - 69	77.8%	85.5%	-7.7%
...gher Risk	83.9%	80.4%	3.5%
...ge 60 - 64	75.8%	77.2%	-1.4%
...ge 55 - 59	76.3%	74.9%	1.4%
...ge 50 - 54	75.5%	72.6%	2.9%
...ge 40 - 49	63.1%	63.5%	-0.4%
...ge 30 - 39	43.4%	57.4%	-14.0%
...ge 18 - 29	21.8%	54.0%	-32.1%
...ge 12 - 17 At Risk	40.0%	17.9%	22.1%
...ge 12 - 17 No Risk	16.8%	9.8%	7.0%
...d Total	37.0%	62.5%	-25.5%

...er	Chinese	City	Diff
...le	36.5%	65.6%	-29.1%
	37.6%	59.6%	-22.0%
	0.0%	0.0%	0.0%
...d Total	37.0%	62.5%	-25.5%

Coverage in Chinese patients has increased by 0.50% over the last 3 weeks, compared to 0.64% across the City.

Over the last 3 weeks the difference in coverage between Chinese and the City average has increased, increased inequalities.

Change in Uptake since 1st January 2021
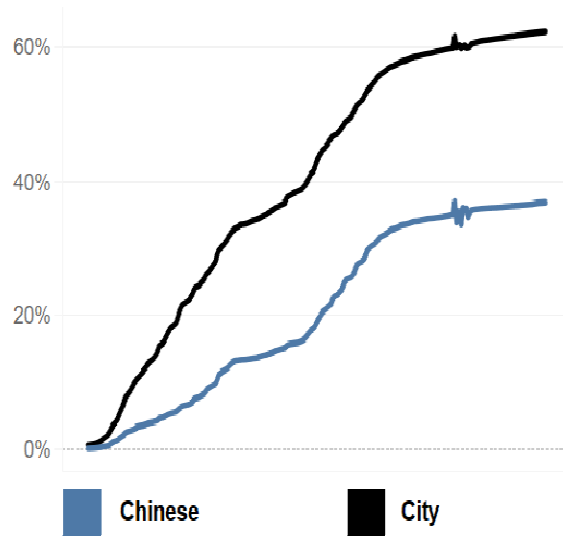
Chinese   City

CHALLENGE:
Uptake in the Chinese population has constantly been significantly below the City of Manchester average.
10th March – 8.1 % < 25%
1st June – 23.2% < 47.3%

RESPONSE:
- Pop Ups have taken place on a regular basis in the China Town area of Manchester City Centre. Workin... collaboration with key contacts within the Chinese community and local businesses, comms have been produced in Chinese and simplified Chinese promot... the Pop Up clinics.
- After an initial run of 3 successful clinics in August a... decision was made to run another 3 Pop Ups in an attempt to engage with younger members of the Chinese community – this is where uptake is lowest...

OUTCOMES:
Although uptake for the Chinese population has contin... to fall significantly below the average in Manchester th... difference is not growing at the same rate as earlier in ... year. The success of the Pop Ups in China Town – circa 1000 doses in 4 clinics – has contributed to stabilising t... disparity.

Age-based approaches

CHALLENGE:
Uptake in different age cohorts has varied significantly
the difference has been most notable in younger cohort

RESPONSE:
- Pop Ups in locations which have a high footfall of younger people e.g. Manchester city centre
- Innovative use of Comms (local radio, social media influencers, iWalker technology) to deliver key messages to younger cohorts
- Pop Ups delivered at sixth form colleges across Manchester
- A 12 day rolling programme of clinics offered during Freshers weeks for Manchester University and Manchester Metropolitan University students

OUTCOMES:
Over a thousand young people vaccinated via sixth form
college and University offers.
Invaluable information gathered via QR surveys that hav
helped to influence strategy for addressing issues with
uptake in younger cohorts.

Disabled People

Learning Disability Calming Clinic

The Grange Community Centre
Pilgrim Drive, Beswick, Manchester M11 3TQ
2021

'I had a really positive experience at your calming clinic on Friday and really appreciate all the reasonable adjustments you are making to support people with learning disabilities to receive their covid vaccine. Please send my praises and thanks to the volunteers and whole team as everyone was friendly and accomodating.' Sasha Silberman-Hanks, Specialist Learning Disability Nurse

CHALLENGE:
Disproportionate impact of Covid on disabled people, low tru
in vaccination and fear of the process resulted in difficulty in
reaching large numbers of disabled people across the city.
Getting communication and access right and ensuring those v
hidden disabilities – Autism , LD and SMI – were not overlooke

RESPONSE:
- Use of sounding boards to ensure needs of disabled communities were being heard
- Worked with Disabled People engagement groups to ensu that updates on vaccine programme were regularly share
- Bespoke clinics offered at accessible locations e.g. Manchester Deaf Centre
- Ensured all sites were accessible for people with disabilitie
- Use of calming clinics at sites for people with LD
- Worked with LD nurses to identify and support patients to have a jab and provided training in delivering vaccinations
- Working with Greater Manchester Mental Health to vaccinate SMI patients at clinic appointments

OUTCOMES:
Current data highlights that the gap in vaccine coverage betw
people with LD and SMI continues to decrease, thus reducing
inequalities for LD and SMI patients.

Intersectionality

CHALLENGE:

There is differential uptake by gender and ethnicity – 10% lower uptake in Arabic women than men

Lower uptake in women due to fear of fertility and the im... of vaccination in pregnancy

Anecdotally – our LGBTQ community was not accessing vaccination.

RESPONSE:

- Women's only clinics – run by female healthcare work...
- Outbound calling by women to other women – in thei... native language
- Targeted sex worker clinics (late night offer)
- LGBTQ + Bespoke Pop Ups at G.A.Y Nightclub and Prid...
- Pregnancy QAs with community groups including Sout... Asian Sounding Board.

OUTCOMES:

- 72 vaccines delivered at G.A.Y clinic
- Further pregnancy clinic planned at Central Mosque o... 14th October.
- Manchester has one of the highest rates of vaccinated... pregnant women in the country – 47.8% first dose and... 34.7% second dose (as of 26.09.21).

Faith based communities

CHALLENGE:

The vaccination programme quickly became aware of high levels of vacc
hesitancy in faith communities in Manchester as a result of misinformati

RESPONSE:

- Integrated Neighbourhood Teams at Manchester LCO worked with strategic Jewish partnership network to share information about the Manchester Covid offer
- Comms developed to ensure consistent messaging across Manchester Bury Salford, translated in Yiddish
- Increased community engagement – 15 volunteers ran 9 engagement sessions before the Jewish holidays
- Information disseminated to 30 Synagogues, schools and Jewish led organisations
- Worked with African church leaders – shared info about local clinics, funding available for inclusion group.
- Pop ups and QA sessions from clinical leads at Mosques
- Worked with Imams to build trust in vaccine programme

OUTCOMES:

Through developing trusted relationships with faith communities we we
able to overcome vaccine hesitancy and ensure some of our most
vulnerable groups accessed the vaccine offer.

Pharmacy

NHS
Manchester University
NHS Foundation Trust

Manchester Local
Care Organisation

MANCHESTER
Y COUNCIL

Manchester Health & Care
Commissioning

Inclusion Groups

Covid vaccinations for homeless people poster:

URBAN VILLAGE MEDICAL PRACTICE — NHS

Covid vaccinations for homeless people

Tuesday 2nd March 9:30 am Mustard Tree
Thursday 4th March 9:30 am Barnabus
Friday 5th March 9:30am Booth Centre

- Covid vaccines do not give you the virus
- Covid vaccines are the best protection from the virus

Come to see the nurse for a Covid jab!

CHALLENGE:
We have communities that do not access mainstream communication, have complex lives and live below the radar

RESPONSE:
- Mobile rough sleeper/homeless offer delivered throug[h] Urban Village Medical Practice in city centre and host[e]
- Outreach clinics at homeless day centres: The Booth Centre, Barnabus and Mustard Tree
- Targeted mobile sex worker outreach clinics through Manchester Action on Street Health
- Developed intelligence around why take up was so low in certain groups e.g. the current climate of hostility i[s] making Roma sex workers reluctant to engage
- Engaged with Traveller Showman community to promote access to vaccination
- Worked with Justlife in East Manchester to target homeless people in B&B's and temporary accommodation to run tailored clinic – 75% take up

OUTCOMES:
625 first doses and 364 second doses have been delivere[d] to our homeless population as a result of the programme that has been undertaken

Refugees and Asylum Seekers

CHALLENGE:

Manchester has a proud history of welcoming refugees and asylum seekers. The Managed Quarantine Service and the Afghan Resettlement Programme did not consider Covid Vaccination as part of the national delivery model. This was developed as a priority in Manchester and is seen as an example of national best practice.

RESPONSE:

- Bespoke mobile offer to asylum seekers who were temporarily residing at hotels across the city
- Pop Up delivered at Rainbow Haven, a support organisat for refugees and asylum seekers. 34 people attended the session – 12 service users received their first vaccine and received their second vaccine
- Consistent messaging – no one is charged for testing, treatment and vaccination
- No immigration checks and lack of documentation, langu or digital inclusion was never used as a barrier to vaccina
- Utilisation of Covid Chat coordinators and Interpreters t understand and address barriers to vaccination.

OUTCOMES:

Over 800 people vaccinated via our Managed Quarantine Se

Pharmacy

NHS **Manchester University** NHS Foundation Trust

Manchester Local Care Organisation

HCC ✓ @Manchester... · 30/07/2021 ···
Manchester, grab a cab to get the jab 🚕

...ou can book a taxi for FREE to and from
...e Moss Side vaccination site (M15 5NN)!

...oss Side offer both AstraZeneca and
...izer 1st and 2nd doses.

...all Streetcars on 0161 228 7878 and
...uote 'MossJabCab' 📞
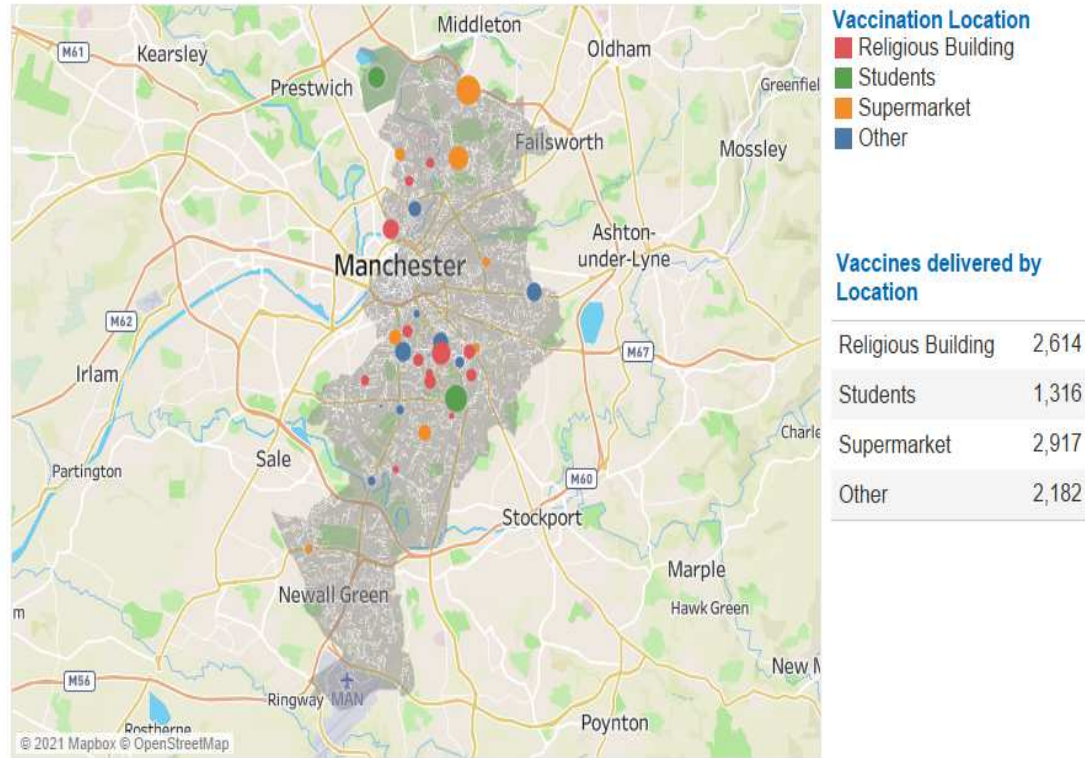
...hank you for doing your bit.

Addressing Deprivation

Map of COVID Vaccination Pop-up Delivery

Manchester Health & Care Commissioning
Business Intelligence Team

This map highlights where pop-up vaccination sites have taken place over Manchester. The greater the number of vaccines given at a site, the larger the label on the map.

Vaccination Location
- ■ Religious Building
- ■ Students
- ■ Supermarket
- ■ Other

Vaccines delivered by Location

Location	
Religious Building	2,614
Students	1,316
Supermarket	2,917
Other	2,182

© 2021 Mapbox © OpenStreetMap

OUTCOMES:
- 770 free taxis provided between Jan – Aug 2021

CHALLENGE:
We have a deprived population w...
complex lives. Many struggle to a...
or access transport to local vacci...
sites, do not have smart phones a...
face digital exclusion.

RESPONSE:
- FREEPHONE central booking s... to enable all to book into an o... The " Gateway"
- Free taxis for those struggling... access a vaccination site
- Free bus to surge sites in Bell... and Moss Side
- Community pop up clinics at ... supermarkets, shopping cent... and local parks
- Targeted offer for care worke... low paid occupation groups e... drivers and warehouse staff f... Amazon and The Hut Group