

# Leicester

# Pharmaceutical Needs

# Assessment 2018

March 2018



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# 1.0 Executive Summary

## 1.1 Introduction and background

The Pharmaceutical Needs Assessment (PNA) is a statutory document used by NHS England in its consideration of changes to the commissioning of pharmaceutical services locally. If a pharmacist, dispenser of appliances or GP wants to provide NHS pharmaceutical services, they are required to apply to NHS England to be included on a pharmaceutical list which is known as the “market entry system”. The application should prove they are able to meet a pharmaceutical need as set out in the PNA. The exceptions to this include applications for needs not foreseen in the PNA and distance-selling pharmacies (internet).

‘Pharmaceutical’ refers to the need for medicines or other health services including prevention and whether this is met by the arrangements with community pharmacies in Leicester.

## 1.2 Pharmacy Policy

The PNA describes current policy developments which have the potential to impact on the provision and financial viability of community pharmacy:

- Sustainability and transformation plans (STP)
- Community pharmacy in 2016/17 and beyond
- The General Practice Forward View - clinical pharmacists in GP practices
- Community Pharmacy Forward View
- Community Pharmacy Clinical Services Review

## 1.3 Health Needs in Leicester

Leicester is a city characterised by rich diversity, with a younger population than England and around half its 343,000 residents being from an ethnic group other than White British. Additionally it experiences high levels of deprivation with around 40% of residents living in the 20% most deprived areas in the country. Health needs within the city are not evenly distributed, with worst outcomes often concentrated in the most deprived areas. Life expectancy for men and women in Leicester is significantly lower than the England average.

## 1.4 Community Pharmacy Contractual Framework

The PNA must relate to all pharmaceutical services provided and make an assessment of the following:

- the demography of its area and needs of different localities
- whether there is sufficient choice to obtaining pharmaceutical services within its area
- the pharmaceutical services provided by surrounding areas that may affect need within the area
- future pharmaceutical needs of the population

The assessment covers:

**Essential services:** required in all pharmacies and includes

- Dispensing and repeat dispensing
- Clinical governance
- Promotion of healthy lifestyles
- Disposal of unwanted medicines
- Signposting
- Support for self-care

**Advanced services:** optional nationally commissioned services, including

- Medicines Use Reviews
- New Medicines Service
- Appliance Use Reviews
- Stoma Appliance Customisation
- Seasonal Influenza Vaccination
- NHS Urgent Medicine Supply Advanced Service (Pilot)

**Community based services:** optional locally commissioned services including

- Emergency hormonal contraception
- H-Pylori screening
- Minor ailments
- Needle exchange
- Palliative care
- Smoking cessation
- Supervised methadone consumption

This PNA has reviewed community pharmacy need and provision for the population of Leicester city as at 31<sup>st</sup> March 2017. Prison or hospital pharmacies are excluded from the scope of the PNA. The PNA also considers future pharmaceutical provision. It presents an analysis of actual or potential gaps in service and recommendations for improvement.

### 1.5 Location and access to pharmacies:

There are 86 pharmacies in Leicester, equivalent to 2.5 pharmacies per 10,000 population (2.1 in England). Most pharmacies are open for at least 40 hours per week, and 8 are open for 100 hours. The majority of 100-hour pharmacies are located in the central area of Leicester, with one in the north east and one in the South; opening times are generally from 7am to 11pm Monday to Saturday, and some with reduced hours on Sunday.



There are more pharmacies concentrated in the central and eastern areas, and fewer in the south and west of the city. All residents have a pharmacy within 1km of their home, with travel time analysis indicating that generally nearest pharmacies can be reached within 20 minutes. There are a few areas of the city where walk times may be more than 20 minutes but these should be accessible by car or public transport within 20 minutes. Leicester residents can also make use of a number of pharmacies just into Leicestershire; 9 pharmacies within 0.5km and 12 between 0.5 and 1km of the city boundary.

### 1.6 Pharmaceutical service provision:

All pharmacies are required to dispense medicines as part of their essential services contract with NHS England. In addition they may be accredited to provide advanced services or locally commissioned services to provide for local needs of the population.

Service provision is considered across Leicester by the middle super output (MSOA) geographical areas. These are census areas comprised of similar population sizes and characteristics. It is acknowledged that not everyone will choose their nearest pharmacy, however, by providing rates for smaller areas this helps to show variation in provision of services for local populations across the city.

#### Advanced services:

The majority of pharmacies provide Medicines Use Reviews (MURs) and New Medicines Service (NMS), helping patients to understand and gain maximum benefit from taking their medicines. The maximum number of MURs per year is 400 and achieved by 10 pharmacies in 2016/17. Nine pharmacies are accredited for Stoma Appliance Customisation and no pharmacies provide Appliance Use Reviews; this is mainly provided through other agencies.

Investigation of MURs and NMS carried out in Leicester (2016/17) compared with England (2015/16 latest publication) shows although rates have increased since the last PNA, there are still fewer MURs are carried out in Leicester compared with England per 10,000 population. Uptake rates of NMS and flu vaccinations however are higher in Leicester than nationally.

*Table 1: Advanced service uptake per 10,000 in Leicester and England*

	England: 2015/16	Leicester: 2016/17
Advanced Services	Rate per 10,000	Rate per 10,000
Medicines Use Reviews	602.3	554.9
New Medicine Services	150.0	188.9
National Influenza Adult Vaccination Services	108.7	147.5

*Data: NHS England, General Pharmacy report: England 2015/16*

#### Community based services:

Community based services offer additional services commissioned by the Leicester City

Clinical Commissioning Group (CCG) or Leicester City Council, to meet the needs of the local population. For example Leicester has a younger population than average, and high rates of teenage pregnancy, particularly in the more deprived areas of Leicester. Sexual health services for young people available through community pharmacies include C-card which offers free condoms and EHC providing the morning after pill; both aiming to reduce the number unwanted pregnancies in Leicester's teenagers. Other young populations include students at Leicester's two universities and in-migration from eastern Europe.

The table below shows a comparison between the number of pharmacies offering advanced and community based services in 2014 and 2017. In the main, there are fewer pharmacies offering community based services in 2017. Chlamydia screening service has been decommissioned in pharmacies; and EHC and Smoking cessation services are no longer provided in pharmacies where historically there was low uptake.

*Table 2: Number of Leicester pharmacies accredited for advanced and locally commissioned services as at 31<sup>st</sup> March 2014 and 2017*

	March 2014	March 2017
<b>Pharmacy types</b>		
100 hour	8	8
Community	72	72
Internet /distance selling	5	5
Local Pharmaceutical Services	1	1
<b>Opening hours per week</b>	<b>4624</b>	<b>4670</b>
<b>Services offered</b>		
Medicines Use Reviews	75	76
New Medicines Service	65	61
Appliance Use Reviews	10	0
Stoma Appliance Customisation	7	9
Flu vaccinations	0	45
Chlamydia Screening	38	0
EHC	55	24
H-Pylori	36	22
Minor Ailments	44	41
Palliative Care	11	10
Needle exchange	12	10
Stop Smoking	50	39
Supervised consumption	49	41

*Data: NHS England*

### 1.7 Projected future needs

By 2039, the population of Leicester is predicted to grow by around 63,900 to give a total population of 406,200. Projections indicate Leicester will have an increase of 25,300 in the numbers aged 65 and over, which represents an increase in the proportion of the population aged 65 and over from 12% to 16% in 2039. Numbers are

estimated to fall in 0 to 9 year olds and 20 to 64 year olds.

With the current provision of 86 pharmacies, this would offer a rate of 2.1 pharmacies per 10,000 population. The current rate in Leicester is 2.5, and nationally 2.1 per 10,000 population based on numbers of pharmacies alone; it does not take into account variation in opening hours and services provided.

### **1.8 Follow-up to the 2015 PNA**

Pharmacies can use the PNA in pharmaceutical applications (eg for premises, changes in services or mergers) to demonstrate a pharmaceutical need. NHS England can reference the PNA in assessing the need. Since the last PNA in 2015 and up to the end of March 2017 there have been 13 applications relating to pharmacies in Leicester. Of these, 8 were for change of ownership, 1 premises approval, 2 unforeseen benefits and 2 distance selling.

Since December 2016 new regulations regarding mergers and consolidation of existing community pharmacies within the Health and Wellbeing Board area have been put in place which have implications for the Health and Wellbeing Board. It is recommended that NHS England provide detailed guidance to HWBs on these new responsibilities.

Information is provided regarding progress on the recommendations made in the PNA 2015. This shows some progress in areas such as Health Living Pharmacy, but overall limited progress due to the complex contractual arrangements for community pharmacies.

### **1.9 Consultation**

There is a statutory requirement for each Health and Wellbeing Board to consult a number of bodies about the contents of the pharmaceutical needs assessment for a minimum of 60 days. The consultation period will take place between September and December 2017. The results will be incorporated into the revised PNA at the completion of the consultation period, before submission to the Health and Wellbeing Board for approval.

### **1.10 Analysis of gaps in service**

#### *Pharmacies and local populations:*

At 31 March 2017, Leicester has 86 pharmacies located across the City, including 5 distance selling pharmacies and one local pharmaceutical services.

Overall Leicester has more pharmacies per head of population than England (2.5 vs 2.1 pharmacies per 10,000 population).

Pharmacies are not evenly distributed throughout the city. There are more pharmacies in the east of the city, with several closely located in Belgrave (around Belgrave Road) and another cluster around Spinney Hills towards Stoneygate. In the west of the city the pharmacies are more widely spread, although there are a number along the Narborough Road area in the West End.

#### *Access and travel times:*

Analysis of access and travel times suggests most residents will be able to access their nearest pharmacy within 20 minutes by walking, car or public transport. Travel times by car and public transport will be subject to traffic variations during the day. Residents may have to travel further to reach a pharmacy outside normal opening hours.

#### *Opening hours:*

The majority of pharmacies are open for over 40 hours per week; 44 are open between 40-50 hours per week, 24 are open between 50 and 60 hours, 11 pharmacies between 60 and 100 hours and 5 are open over 100 hours per week. The 100 hour pharmacies are located in the West End, St Matthews and St Peters, Eyres Monsell, Belgrave and Hamilton. There is lower provision for extended opening hours in the west of Leicester, however there are two of the 100 hour county pharmacies within 1km of the City border.

#### *Essential Services:*

It is concluded there is adequate provision for the population of Leicester since essential services are provided by all pharmacies. Some residents may have further to travel where pharmacies are more sparsely distributed and opening hours are less (particularly in the west of Leicester).

#### *Advanced Services:*

The majority of pharmacies provide the advanced services Medicines Use Reviews (MURs: 88%) and New Medicines Services (NMS: 72%).

Rates of MURs and NMS in Leicester per 10,000 population have improved since the last PNA, however they are still lower than nationally. Although pharmacies can provide up to a maximum of 400 MURs per year, this was attained by only 10 pharmacies in Leicester with a further 26 carrying out between 300-399 MURs.

#### *Community based services:*

Community based services (CBS) are services locally commissioned by Local Authorities and Clinical Commissioning Groups (CCGs) which can be tailored towards the health needs of the local population. Pharmacies can be particularly effective in providing services to more hard-to-reach groups as they offer a walk-in service and do not require an appointment. They also offer valuable advice and support for people in making lifestyle choices and in managing their own health conditions.

The PNA presents maps showing the location of Pharmacies accredited for each service, by small areas known as middle super output areas (MSOAs). In order to provide an indication of variation across the city, rates are provided per 10,000 population within the MSOA. It is recognised however, that residents will not always

choose the pharmacy located nearest to them.

### **1.11 Conclusions and recommendations**

This PNA has reviewed provision of pharmaceutical services as at March 2017 and concludes that overall provision is adequate for the population of Leicester. There are differences in local provision of services across the city and it may be that residents in some areas have to travel a little further to access a particular service or out of normal working hours.

The majority of pharmacies are accredited to carry out the advanced services of Medicines Use Reviews and New Medicines Services. There has been an increase in the number of these services since the last PNA, however given the potential benefits to patients, it is recommended that pharmacies are encouraged to improve the numbers further.

Community based services offer a range of locally commissioned services to the local population and can be tailored by commissioners to meet specific local healthcare needs. Pharmacies can provide a valuable service to patients, particularly those more hard-to-reach groups who can take an advantage of a drop-in service at a time more convenient to themselves without the need for an appointment. It may also be more appealing to use a less formal environment within a pharmacy compared with the GP surgery.

#### **Equity of service:**

It is recommended that NHS England (and where relevant Leicester City Council and Leicester City Clinical Commissioning Group) should:

- Keep under review locations and opening times to assess whether access is equitable for all residents.
- Work with pharmacies and Local Pharmaceutical Committee to examine how equity issues can be addressed further
- Review cross-city and county-border service provision to ensure uniformity of access and quality of service
- Encourage pharmacies to offer discretionary services in relation to local need.

#### **Promotion of health and healthcare management:**

It is recommended that NHS England (and where relevant Leicester City Council and Leicester City Clinical Commissioning Group) should:

- Encourage the implementation of Healthy Living Pharmacy to promote healthier lifestyles through pharmacies so that individuals can gain advice and support in reducing unhealthy behaviours and adopting healthier ones.
- Ensure that the requirement for promotion of healthy lifestyles campaigns through pharmacies (Public Health) is fulfilled
- Consider and encourage the opportunity to include and develop the role of pharmacies in commissioning strategies and through the wider Sustainability and Transformation Plans - particularly in relation to providing services which deflect work out of primary care general practice.
- Assess levels of uptake of advanced and community based services and follow-up low or high performers in order to share best practice.
- Keep under review the appropriateness of monitoring and quality visits to pharmacies, in addition to pharmacy self- assessment, in order to provide assurance of effectiveness and to promote service improvement.

### **Implications of Community Pharmacies 2016/17 and beyond:**

In December 2016, new policy *Community pharmacy in 2016/17 and beyond*<sup>1</sup> came into effect with the intention of more effectively integrating community pharmacy with primary and urgent care, and to reduce the costs of community pharmacy overall - including reducing the close proximity of community pharmacies to other community pharmacies

It is recommended that NHS England (and where relevant Leicester City Council and Leicester City Clinical Commissioning Group) should:

- Provide detailed guidance to the Health and Wellbeing Board on new responsibilities given to it in connection with regulations regarding mergers and consolidation of community pharmacies within the Health and Wellbeing Board area.
- Review evidence of impact of policy and funding changes on services annually and report any findings to the Health and Wellbeing Board with appropriate advice.

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<sup>1</sup> [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/561495/Community\\_pharmacy\\_package\\_A.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/561495/Community_pharmacy_package_A.pdf)

## 2.0 Background and Introduction

From 1 April 2013, every Health and Wellbeing Board (HWB) in England has had a statutory responsibility to publish and keep an up to date statement of the needs for pharmaceutical services of the population in its area, referred to as a Pharmaceutical Needs Assessment (PNA). This report presents the third Pharmaceutical Needs Assessment (PNA) for Leicester City and will replace, from 1<sup>st</sup> April 2018, the previous PNA approved by the Leicester Health and Wellbeing Board in April 2015.

### 2.1 Purpose of the PNA

If a pharmacist, dispenser of appliances or a GP wants to provide NHS pharmaceutical services, they are required under the NHS (Pharmaceutical Services and Local Pharmaceutical Services) regulations to apply to NHS England to be included on a pharmaceutical list. They must prove they are able to meet a pharmaceutical need as set out in the relevant PNA. This is known as the NHS “market entry” system.

*‘Pharmaceutical’ refers to the need for medicines or other health services including prevention and whether this is met by the arrangements with community pharmacies in Leicester.*

The PNA is used by NHS England to assess applications and to make decisions on the commissioning of NHS funded services that can be provided by local community pharmacies. Additionally, Local Authorities and Clinical Commissioning Groups may consider the PNA when commissioning or reviewing service to meet local health needs and priorities. NHS England is the principal body responsible for managing the main contract with community pharmacies.

The PNA must relate to all the pharmaceutical services provided under arrangements made by the NHS Commissioning Board and should make an assessment of the following:

- a. the demography of its area
- b. whether there is sufficient choice to obtaining pharmaceutical services within its area
- c. the different needs of different localities within the area
- d. the pharmaceutical services provided in the area of any neighbouring HWB which affect:
  - o the need for pharmaceutical services in its area
  - o whether further provision of pharmaceutical services in its area would secure improvements, or better access to pharmaceutical services of a specified type within its area
- e. any other NHS services provided in or outside its area which affect:
  - o the need for pharmaceutical services in its area
  - o whether further provision of pharmaceutical services in its area would secure improvements, or better access to pharmaceutical services of a specified type within its area

- f. Future needs relating to:
  - o the number of people in its area who require pharmaceutical services
  - o the demography of its area
  - o the risks to the health or wellbeing of people in its area

Each HWB *must* also consult the following bodies for its area about the contents of the assessment:

- a. Local Pharmaceutical Committee (LPC)
- b. Local Medical Committee (LMC)
- c. Any persons in the pharmaceutical lists and any dispensing doctors
- d. Any LPS chemist in its area providing local services by arrangement with the NHS Commissioning Board
- e. Any Local Healthwatch organisation, any other patient, consumer or community group with an interest in provision of pharmaceutical services in the area
- f. NHS trust or NHS foundation trust
- g. NHS Commissioning Board (eg NHS England)
- h. Any neighbouring Health and Wellbeing Board

These bodies must be consulted at least once and for a period of 60 days.

The preparation and consultation on the PNA should also take account of the JSNA and other relevant strategies, such as the local Health and Wellbeing strategy, Sustainability and Transformation Plans, Children and young people's plan, the local housing plan and the crime and disorder strategy in order to prevent duplication of work and multiple consultations with health groups, patients and the public.



## 3.0 PHARMACY POLICY

Pharmacies deliver personalised patient care through health professionals with expertise in the use of medicines and promotion of their safe and effective use<sup>2</sup>. Pharmacists and their teams can improve patient care and reduce health inequalities through:

- personalised pharmaceutical services
- expanding access and choice
- more help with medicines
- reducing inappropriate hospital admissions
- supporting patients as they move between hospital and the community
- supporting healthy living and better care
- improving communications and relationships

### 3.1 Pharmaceutical policy development

The landscape of health care in Leicester is changing through local and national policy developments which are underway but whose full impact on Community Pharmacy is not yet known. The purpose of this section, therefore, is to provide a brief overview of these developments. These are looking, in general, to better join up health care and preventative services, clarify the role and funding for community pharmacies and to make more directly the connection between GP (primary care) and the clinical work of pharmacists, to both improve services and reduce costs to the NHS. Links are provided to sources of further information.

#### 3.1.1 Sustainability and transformation plans (STP)

Sustainability and transformation plans are five-year plans covering all NHS spending in England, stemming from NHS England's Five Year Forward View

<https://www.england.nhs.uk/five-year-forward-view/>. A total of 44 areas have been identified as the geographical 'footprints' on which the plans will be based, with an average population size of 1.2 million people (the smallest area covers a population size of 300,000 and the largest 2.8 million). Further information and access to STP documents and local plans can be obtained from <https://www.england.nhs.uk/stps/view-stps/>.

Leicester, Leicestershire and Rutland's (LLR) draft STP lays out plans for developing local health and social care services over the next five years, and was published in November 2016. The LLR population is getting older and, as such, people often have more long term illnesses that need managing. The STP says that some services are not currently consistently delivering the quality and access of care wanted for local people.

The draft STP for LLR details how those challenges can be tackled. A brief summary indicates the following proposals:

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<sup>2</sup> Pharmacy White Paper, *Pharmacy in England – Building on strengths and delivering the Future*, April 2008

- Investing in local services including £45.5 million on a new state of the art emergency department at Leicester Royal Infirmary
- An increase in services delivered in the community by specialised clinical teams;
- Encouraging more people to live healthily and avoid illness;
- Helping to address an LLR wide projected NHS funding gap of £399 million, caused by a number of factors, including an increase in demand for services, and the costs of new treatments
- A movement of hospital beds from the big city hospitals to the community, in hospitals or at home, for those patients who would benefit from it
- Plans for reconfiguration of Leicester City Hospitals from three to two acute sites
- The future options for maternity services in Leicester, Leicester and Rutland, including the current standalone midwife led unit in Melton Mowbray
- Reconfiguration of community hospitals and their beds and community-based services

The plan sets out how services can be changed to improve care and the patient experience, while addressing the problem of demand for services continually outpacing the resources available. In order to deliver these aspirations, the services delivered and where and how they are offered will need to change, generally towards more services delivered closer to patients in the community. The expectations regarding Community Pharmacy are not laid out in the draft STP so far, though there is implicit reference to the pharmacy workforce in relation to proposed actions regarding medicines use optimisation.

The Local Pharmaceutical Committee (LPC) is currently engaging with the Sustainability and Transformation Plan (STP) programme leads regarding integration of Community Pharmacy within the STP. The aim is to explore opportunities for synergies that the Community Pharmacy network have in terms of skills and expertise to support NHS efficiency and patient care.

The LPC is aware of various opportunities such as medicines optimisation support; hospital discharge referral for MUR and NMS; using Community Pharmacy as a first port of call to support minor ailments to reduce pressures on GP practice and emergency services; integration into care pathways to provide support for long term conditions and use of accredited Healthy Living Pharmacies to support the prevention agenda as a few examples. The first stage is to set up an STP engagement event with the local LLR Community Pharmacy network in early 2018. This is currently being planned collaboratively.

### 3.1.2 Community pharmacy in 2016/17 and beyond

Community Pharmacy has been subject to funding and policy changes reflecting nationally driven policy developments. These came in to effect from December 2016 and will have been implemented throughout 2017. Details are available at <https://www.gov.uk/government/publications/community-pharmacy-reforms> . While there is concern about these changes within Community pharmacies and their representative organisations, their practical impact has not yet fully fed through to Community pharmacies locally. We have restricted the pharmaceutical data used in this PNA to 31 March 2017, partly so there is a clear full years' worth of data, but also to avoid reporting in this PNA what could only be emerging impact of the government's changes on provision locally.

The Government's intentions in the Community pharmacy in 2016/17 and beyond initiative are to modernise Community Pharmacy, more effectively integrate community pharmacy with primary and urgent care, and to reduce the costs of community pharmacy overall - including reducing the close proximity of community pharmacies to other community pharmacies (around 40% of pharmacies nationally are in close proximity).

The decisions made by the government impose budget reductions in England of £113m between December 2016 to March 2017, and by £208m in 2017/18. The principal actions to achieve this are:

- a rationalisation of mechanisms for funding community pharmacies - particularly the amalgamation of the Item fee, practice payment fee, repeat dispensing fee, Electronic Prescription Service fee into a new Single Activity Fee of £1.13;
- A 20% reduction in the establishment payment from December 2016, a 40% reduction from April 2017 and the abolition of the payments altogether from 2018/19.
- the addition of a Pharmacy Access Scheme (PhAS) to support access where pharmacies are sparsely spread. The PhAS will be an additional monthly payment made to all small and medium sized pharmacies that are a mile or more from another pharmacy. Two Leicester based community pharmacies are currently eligible for this payment. The PhAS payment mitigates but does not match the impact of the funding reductions in the total scheme. Payment is contingent on meeting the Quality Payments Scheme. Pharmacies dispensing the largest prescription volumes (the top 25% in the city) will not qualify for the scheme.
- the introduction of a Quality Payments scheme to promote patient safety, patient experience, public health (Healthy Living Pharmacy), workforce, clinical effectiveness and adoption of digital working (see Appendix 1). This has a budget of £75m and will pay a maximum of £6,400 per pharmacy per annum if the standards are met. There will be two review points at which pharmacies can submit their applications: 1. April 2017 - £25 million available 2. November 2017 - £50 million available.

- changes to market entry (control of access) regulations aimed at facilitating the consolidation of pharmacies by, for example, preventing a new pharmacy stepping in straight away if a chain closes a branch or two pharmacy businesses merge and one closes.

These decisions have been implemented progressively from 1 December 2016. The implication for the PNA is that their impact will become apparent as 2017 progresses and there will need to be a thorough understanding of the new emergent system and an assessment of its implications, as indicated above.

There is concern amongst small and medium sized pharmacies about these actions and the impact they may have on financial viability of community pharmacies. The Leicestershire Pharmaceutical Committee is working to ensure that community pharmacies are in a position to claim the income they can and also have efficient business processes.

At the time of writing (September 2017) information has been issued by the Department of Health related to the changes to market entry regulations aimed at facilitating the consolidation of pharmacies (see section 9.2). There is as yet no clear statement as to whether the government's objective is to reduce the overall number of community pharmacies, or to achieve a more equitable distribution of pharmacies within an area. The changes to the regulations proposed, and reported in the final bullet point in the section above, are aimed at reducing the numbers of community pharmacies brought about through closure or merger of community pharmacies.

### **3.1.3 The General Practice Forward View - clinical pharmacists in GP practices**

The General Practice Forward View, issued in April 2016 (<https://www.england.nhs.uk/gp/gpfv/>) included a commitment to deliver an additional 5,000 clinical and non-clinical staff in general practice. Out of these 5,000 additional staff members, there is a commitment to have "a pharmacist per 30,000 of the population, leading to a further 1,500 pharmacists in general practice by 2020". In July 2015 NHS England launched a pilot scheme to support pharmacists working in general practice. Funding was made available to support more than 450 pharmacists in 650 practices across 90 sites. The funding contributes to the costs of recruitment, employment, training and development of the pharmacists and the development of employing/participating practices.

Clinical pharmacists can work directly in general practice as part of the multi-disciplinary team in patient facing roles, clinically assessing and treating patients using their expert knowledge of medicines for specific disease areas. They will be prescribers, or training to become prescribers, and work alongside the general practice team, taking responsibility for patients with long term conditions and undertaking clinical medication reviews especially for older people and those in care homes. They will provide specialist expertise in medicines use while helping to address both the public health and social care needs of a patient at the practice(s).

Pharmacists in general practice will provide leadership to ensure all people get the best use out of their medicines. They will help support the further integration of general practice with the wider healthcare teams (including community and hospital pharmacy) to help improve patient care and safety.

### **3.1.4 Community Pharmacy Forward View<sup>3</sup>**

Published in August 2016, this presents 3 key roles for the Community pharmacy of the future as:

1. the facilitator of personalised care for people with long-term conditions
2. the trusted, convenient first port of call for episodic healthcare advice and treatment
3. the neighbourhood health and wellbeing hub

### **3.1.5 Community Pharmacy Clinical Services Review: Murray review<sup>4</sup>**

This was commissioned following the Five Year Forward View (2014) and General Practice Forward View (April 2016). The report made several recommendations to make the most of the existing clinical services provided in community pharmacies:

- Full use of electronic repeat dispensing service
- Service redesign to help people with long term conditions, those with high risk and multiple co-morbidities, including medicines optimisation and use of transfer of care and referral schemes
- NHS England's commitment to locally commissioning the minor ailments scheme in 2018
- Consider national commissioning of smoking cessation service
- Integrating community pharmacies into long term condition management pathways (including medicines optimisation for residents of care homes)
- Community pharmacy involved in case finding programmes for conditions with significant consequences if undiagnosed (eg hypertension)
- Integrating community pharmacy into Sustainability and Transformation Plans
- Improved digital connectivity between pharmacy and other healthcare professionals
- Community pharmacists engage with primary care to develop pathways
- Closer working between Royal Pharmaceutical Society, Royal College of General Practitioners, British Medical Association and Pharmaceutical Services Negotiating committee

### **3.1.6 Conclusion**

This section has described current policy developments which have the potential to impact on the provision and financial viability of community pharmacy:

- Sustainability and transformation plans (STP)
- Community pharmacy in 2016/17 and beyond

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<sup>3</sup> <http://psnc.org.uk/services-commissioning/community-pharmacy-forward-view/>

<sup>4</sup> <https://www.england.nhs.uk/commissioning/wp-content/uploads/sites/12/2016/12/community-pharm-clncl-serv-rev.pdf>

- The General Practice Forward View - clinical pharmacists in GP practices
- Community Pharmacy Clinical Services Review (Murray)

Rather than speculating on the likely impact of these developments on community pharmacies, particularly relating to Community Pharmacy in 2016/17 and beyond, the recommendation of this PNA is that evidence of impact on services of and in Community Pharmacy is reviewed annually and any findings reported to the Health and Wellbeing Board with appropriate advice.

## 4.0 Health Needs in Leicester

### 4.1 Age profile

Leicester is the largest city in the East Midlands, with a population of around 343,000<sup>5</sup>. Leicester's population is relatively young compared with England; a third of all city households include dependent children, 20% of Leicester's population are aged 20-29 years old (compared with 14% in England), and 12% of the population are aged over 65 (compared with 18% in England). The larger proportion of younger people in Leicester reflects the student population attending Leicester's two universities and migration into the city from outside the UK.

### 4.2 Diversity

Leicester is home to a diverse range of faiths and communities. Leicester residents come from over 50 countries, and around a third of Leicester residents were born outside of the UK<sup>6</sup>. Almost half of Leicester's residents classify themselves as belonging to an ethnic group that is not White. Leicester has one of the country's largest Asian communities (37% of the population), with 28% of all residents defining themselves as of Indian heritage. At 3.8%, Leicester's African community is a notably larger proportion of the population than that for England (1.8%).

Leicester's Black, Minority Ethnic (BME) population is generally younger than the White population and there are fewer elderly in black and minority ethnic groups.

### 4.3 Deprivation

Leicester has a high level of deprivation compared to the country as a whole and is ranked 21<sup>st</sup> most deprived out of 326 local authority areas<sup>7</sup>. Forty-four percent of Leicester's population live in the 20% most deprived areas in England, and a further 32% live in the 20-40% most deprived areas. Only 1% of the Leicester population live in the 20% least deprived areas.

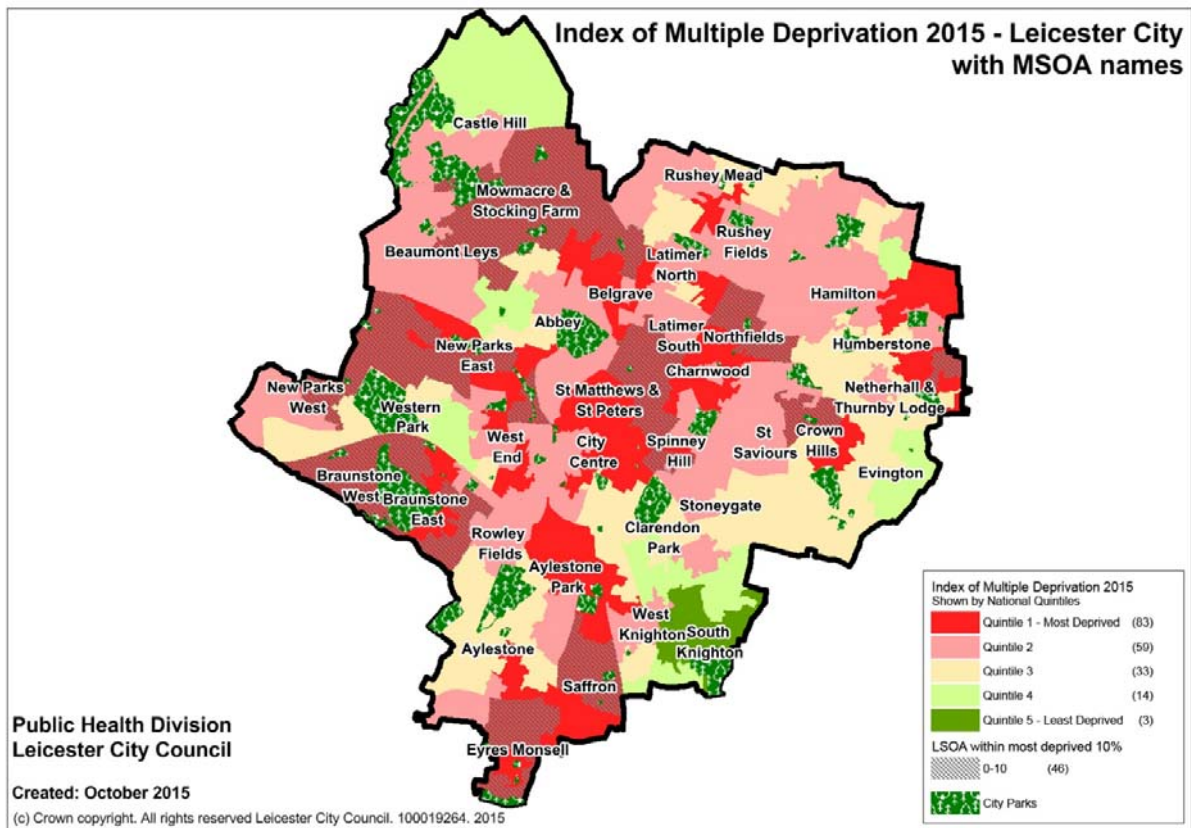
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<sup>5</sup> ONS Mid-year population estimates, 2015

<sup>6</sup> Office for National Statistics, Census 2011

<sup>7</sup> Department for Communities and Local Government English Indices of deprivation 2015

Figure 1: Deprivation in Leicester by lower super output area



Data: Index of multiple deprivation 2015

#### 4.4 Local Health Needs:

Deprivation contributes to poor health outcomes for many residents and overall health in Leicester is generally poorer than nationally. Key health issues for Leicester residents are summarised below:

##### Life expectancy

Life expectancy<sup>8</sup> in Leicester is significantly lower than the England average and although it has continued to improve over the past decade, it has shown a slower improvement than England overall. Life expectancy for men in Leicester is around 2.5 years lower than England, and for women in Leicester it is around 1.5 years lower than England<sup>9</sup>.

<sup>8</sup> Average life expectancy at birth is widely used as a proxy indicator for the overall health of the population; it estimates how long a newborn child would be expected to live if the current age-specific mortality rates remain constant. However, it does not forecast how long babies born today will actually be expected to survive, as age-specific mortality rates are unlikely to remain constant for an extended length of time.

<sup>9</sup> Office for National Statistics Life expectancy: <http://www.ons.gov.uk/ons/publications/re-reference-tables.html?edition=tcM%3A77-354758>



Early death rates from cardiovascular diseases (heart attacks and strokes) in Leicester are significantly higher than the national average.

### Disease prevalence

People in Leicester suffer from a number of long term conditions as shown below. The largest recorded prevalence is for cardiovascular diseases including hypertension, Coronary Heart Diseases (CHD) and stroke. Leicester also has a higher than average percentage of people diagnosed with diabetes (9%), mainly in Leicester’s South Asian population. Overall, Leicester has a lower prevalence of cancer and Chronic Kidney Disease (CKD) which may also be related to the diverse ethnicity found in Leicester’s residents.

*Table 3: Percentage of Leicester’s population diagnosed with long term conditions*

		Long term condition	CCG Register	CCG Prevalence	England Prevalence
Cardio-vascular	CVD	Hypertension	46,049	11.8%	13.8%
		CHD	9,820	2.5%	3.2%
		Stroke or TIA	4,674	1.2%	1.7%
		Heart Failure	2,642	0.7%	0.8%
High dependency		Diabetes (17+)	27,420	9.0%	6.6%
		All cancers	5,214	1.3%	2.4%
		CKD (18+)	7,868	2.6%	4.1%
Respiratory	Respiratory diseases	Asthma	9,820	5.0%	5.9%
		COPD	5,538	1.4%	1.9%
Mental Health	Mental health	Mental Health	4,060	1.0%	0.9%
		Dementia	2,363	0.6%	0.8%

*Data: Quality Outcomes Framework, 2016/17*

### Lifestyles

Poor lifestyles have an adverse effect on health outcomes and Leicester shows poorer lifestyles than nationally<sup>10</sup> in terms of

- **Smoking prevalence:** the highest levels are seen in White populations living in the most deprived areas
- **Alcohol related harm (hospital stays):** significantly higher levels in the west of Leicester
- **Physical activity levels are low;** low percentage of adults achieving at least 150 minutes of physical activity per week
- **Levels of diabetes;** higher in Leicester’s South Asian population
- **Levels of obesity;** adults are similar to nationally, year 6 children are significantly worse
- **Teenage conceptions:** under 18 conception rates significantly higher

More information on health in Leicester and health priorities can be found in:

- **Leicester Joint Strategic Needs Assessment:**

This is a series of briefings on adults and children and young people covering health and wellbeing of people in Leicester, including data and links to related information. <https://www.leicester.gov.uk/your-council/policies-plans-and->

<sup>10</sup> Public Health England Health Profiles: <https://fingertips.phe.org.uk/profile/health-profiles>

[strategies/public-health](#)

- **Health profiles:** <https://fingertips.phe.org.uk>
- **Local health information:** <http://www.localhealth.org.uk>

- **Health and Wellbeing Strategy:**

This sets out 5 strategic priorities which will be used to inform yearly operational and commissioning plans:

- Improving outcomes for children and young people
- Reducing premature mortality
- Supporting independence for older people, people with dementia, long term conditions and carers
- Improving mental health and emotional resilience
- Addressing the wider determinants of health through effective use of resources, partnerships and work with communities

<http://www.leicester.gov.uk/your-council/policies-plans-and-strategies/health-and-social-care/health-and-wellbeing-board/>

[Please note a new Health and Wellbeing Strategy is in preparation, aiming for completion later in 2017.](#)

- **Leicester City Clinical Commissioning Group Strategic Priorities:**

Priorities are focused on the major causes of ill health and premature death; Cardiovascular disease, Chronic Obstructive Pulmonary Disease, high levels of mental illness in Leicester and supporting older people with long term health conditions

<https://www.leicestercityccg.nhs.uk/about-us/our-priorities/>

- **Sustainability and Transformation Plan:**

This programme involves a partnership of NHS organisations and local authorities reviewing health and social care in Leicester, Leicestershire and Rutland to produce a route map for how services can be transformed (see section 3.1).

<http://www.bettercareleicester.nhs.uk/>

- **Children and Young People's plan:**

This plan has six priority areas aiming to improve outcomes for children and young people:

- Safeguarding
- Improving health and wellbeing
- Raising achievement and aspiration
- Reducing effects of family poverty
- Early help for vulnerable groups
- Developing a workforce

<https://www.leicester.gov.uk/media/113643/children-and-young-people-plan-2014-17.pdf>

## 5.0 The Community Pharmacy Contractual Framework

All national NHS pharmaceutical service providers must comply with the contractual framework that was first introduced in April 2005. The national framework is set out below and can be found in greater detail on the Pharmaceutical Services Negotiating Committee (PSNC) website: <http://psnc.org.uk/contract-it/the-pharmacy-contract/>

The contractual framework is made up of three main components:

- *Essential* services – which must be provided by all contractors - that is, all community pharmacy services nationwide
- *Advanced* services – nationally defined services that can be provided by contractors subject to accreditation requirements
- *Community based* services – services commissioned locally by Clinical Commissioning Groups, Local Authorities and NHS England in response to the needs of the local population.

### Quality assurance:

NHS England's local teams monitor the provision of Essential and Advanced Services and the pharmacy contractors' compliance with the terms of the Community Pharmacy Contractual Framework. Each year, every pharmacy must complete a short questionnaire which will determine whether a pharmacy needs visiting.

The General Pharmaceutical Council carry out inspections in all registered pharmacy premises to ensure that they comply with all legal requirements and regulatory standards. The inspector will examine how the pharmacy operates with the aim of securing and promoting the safe and effective practice of pharmacy services<sup>11</sup>.

All pharmacies are required to conduct an annual community pharmacy patient questionnaire (Patient Satisfaction Questionnaire) which allows patients to provide feedback to community pharmacies on the services they provide<sup>12</sup>.

## 5.1 Types of service

### 5.1.1 Essential services

The essential services which **must** be provided by all contractors are briefly described in table 4 below.

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<sup>11</sup> <https://www.pharmacyregulation.org/standards>

<sup>12</sup> <http://psnc.org.uk/wp-content/uploads/2013/07/cppq2020annex20a.pdf>

Table 4: Essential pharmacy services

<b>Essential Service</b>	<b>Description</b>
<b>Dispensing</b>	The supply of medicines and appliances ordered on NHS prescriptions, together with information and advice, to enable their safe and effective use by patients and carers and maintenance of appropriate records.
<b>Repeat Dispensing</b>	<p>At least two thirds of all prescriptions generated in primary care are for patients needing repeat supplies of regular medicines. Under the repeat dispensing service, pharmacy teams will:</p> <ul style="list-style-type: none"> <li>• Dispense repeat prescriptions issued by a GP</li> <li>• Ensure that each repeat supply is required</li> <li>• Seek to ascertain that there is no reason why the patient should be referred back to their GP.</li> </ul> <p>The majority of repeat dispensing is now carried out via the Electronic Prescription Services (EPS)</p>
<b>Clinical governance</b>	Pharmacies have an identifiable clinical governance lead and apply clinical governance principles to the delivery of services. This will include use of standard operating procedures; recording, reporting and learning from adverse incidents; participation in continuing professional development and clinical audit; and assessing patient satisfaction.
<b>Promotion of healthy lifestyles (Public Health)</b>	<p>Each year pharmacies are required to participate in up to six campaigns at the request of NHS England. This involves the display and distribution of leaflets provided by NHS England.</p> <p>Pharmacies are also requested to be involved in national/local campaigns, to promote public health messages such as the distribution of Quit Kits, Stoptober, Act F.A.S.T and Be Clear on Cancer campaigns.</p>
<b>Disposal of unwanted medicines</b>	Pharmacies are obliged to accept back unwanted medicines from patients, sort them into solids, liquids and aerosols for safe collection and disposal by a waste contractor arranged by the local NHS England team.
<b>Signposting</b>	NHS England provides pharmacies with lists of sources of care and support in the area to enable pharmacies to help people asking for assistance by directing them to the most appropriate source of help where this cannot be provided by the pharmacy.
<b>Support for self-care</b>	Pharmacies will help manage minor ailments and common conditions by the provision of advice and where appropriate, the sale of medicines and referrals from NHS 111.

Further information is available via: <http://psnc.org.uk/>

## 5.1.2 Advanced Services

There are five nationally commissioned advanced services within the NHS community pharmacy contractual framework as shown in table 5, below. Community pharmacies can choose to provide any of these listed services following appropriate training and or accreditation by NHS England.

Table 5: Advanced pharmacy services

Service	Description
<p><b>The Medicines Use Review (MUR)</b></p>	<p>Accredited pharmacists undertake structured adherence-centred reviews with patients on multiple medicines, particularly those receiving medicines for long term conditions.</p> <p>National target groups have been agreed in order to guide the selection of patients to whom the service will be offered. These are patients:</p> <ul style="list-style-type: none"> <li>• taking high risk medicines</li> <li>• recently discharged from hospital who had changes made to their medicines</li> <li>• with respiratory disease</li> <li>• at risk or diagnosed with cardiovascular disease and regularly being prescribed at least four medicines</li> </ul> <p>The MUR process attempts to establish a picture of the patient's use of their medicines – both prescribed and non-prescribed. The review helps patients understand their therapy and it will identify any problems they are experiencing along with possible solutions. An MUR feedback form will be provided to the patient's GP where there is an issue for them to consider.</p>
<p><b>New Medicine Service (NMS)</b></p>	<ul style="list-style-type: none"> <li>• This service was introduced on the 1st October 2011. It provides support for people with long-term conditions newly prescribed a medicine to help improve medicines adherence. It is initially focused on particular patient groups and conditions and aiming to:</li> <li>• Improve patient adherence leading to better health outcomes</li> <li>• Increase patient engagement with their condition and medicines, supporting patients in making decisions about their treatment and self-management</li> <li>• Reduce medicines wastage</li> <li>• Reduce hospital admissions due to adverse events from medicines</li> <li>• Lead to increased reporting of adverse reactions to medicines</li> <li>• Receive positive assessment from patients</li> <li>• Improve the evidence base on the effectiveness of the service</li> <li>• Support development of outcome/quality measures for community pharmacy</li> </ul>
<p><b>Appliance Use Review (AUR)</b></p>	<p>This service can be carried out by a pharmacist or a specialist nurse in the pharmacy or at the patient's home. AURs should improve the patient's knowledge and use of any 'specified</p>

	<p>appliance' by establishing the way the patient uses the appliance and the patient's experience of such use by identifying, discussing and assisting in the resolution of poor or ineffective use of the appliance by the patient. This includes advising the patient on the safe and appropriate storage of the appliance and advising the patient on the safe and proper disposal of the appliances that are used or unwanted.</p>
<p><b>Stoma Appliance Customisation (SAC)</b></p>	<p>The service involves the customisation of a quantity of more than one stoma appliance, based on the patient's measurements or a template. The aim of the service is to ensure proper use and comfortable fitting of the stoma appliance and to improve the duration of usage, thereby reducing waste. The stoma appliances that can be customised are listed in Part IXC of the Drug Tariff.</p> <p>If on the presentation of a prescription for such an appliance, a pharmacy is not able to provide the service, because the provision of the appliance or the customisation is not within the pharmacist's normal course of business, the prescription must, subject to patient consent, be referred to another pharmacy or provider of appliances. If the patient does not consent to the referral, the patient must be given the contact details of at least two pharmacies or suppliers of appliances who are able to provide the appliance or the stoma appliance customisation service.</p>
<p><b>Flu vaccination service</b></p>	<p>Each year from September through to January the NHS runs a seasonal flu vaccination campaign aiming to vaccinate all patients who are at risk of developing more serious complications from the virus. These include people aged 65 years and over, pregnant women and those with certain health conditions.</p> <p>The flu vaccination service provided by pharmacies which commenced in September 2016, offers patients an alternative to the service within GP practices.</p> <p>The Community Pharmacy Seasonal Influenza Vaccination Advanced Service aims to:</p> <ul style="list-style-type: none"> <li>• sustain and maximise uptake of flu vaccine in at risk groups by building the capacity of community pharmacies as an alternative to general practice;</li> <li>• provide more opportunities and improve convenience for eligible patients to access flu vaccinations;</li> <li>• reduce variation and provide consistent levels of population coverage of community pharmacy flu vaccination across England by providing a national framework.</li> </ul>
<p><b>NHS Urgent Medicine Supply Advanced Service (NUMSAS)</b></p>	<p>A national pilot running from 1<sup>st</sup> December 2016 to 30<sup>th</sup> September 2018 which aims to:</p> <ul style="list-style-type: none"> <li>• manage appropriately NHS 111 requests for urgent medicine supply</li> </ul>

	<ul style="list-style-type: none"> <li>• reduce demand on the rest of the urgent care system</li> <li>• resolve problems leading to patients running out of their medicines</li> <li>• increase patients' awareness of electronic repeat dispensing</li> </ul>
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### 5.1.3 Community based services

In addition to the services listed above, pharmacies can also offer services commissioned by local health commissioning organisations, Clinical Commissioning Groups and Local Authorities, to meet the health needs of their local populations. Pharmacies can choose whether to provide these services.

The current community based services commissioned for the Leicester population are as listed in table 6 below.

*Table 6: Community based pharmacy services as at 31st March 2017*

Service	Description
<b>Emergency Hormonal Contraception (EHC)</b>	Some pharmacies are commissioned to provide a free service to women up to 25 years of age following unprotected sexual intercourse to prevent unintended pregnancies. They are required to undertake specific training and maintain a prescribed number of consultations per year.
<b>H-Pylori screening</b>	Pharmacies are commissioned to provide screening, via breath testing, for patients with dyspepsia symptoms to detect the presence of helicobacter bacteria which can cause stomach ulcers.
<b>Healthy Living Pharmacies (HLP)</b>	Pharmacies are commissioned to reduce health inequalities within the local community by delivering high quality health and well-being services, promoting health and providing proactive health advice to customers.
<b>Minor ailments</b>	Pharmacies are commissioned to supply medicines for certain conditions on the NHS, for example eczema, athlete's foot, constipation and hemorrhoids.
<b>Needle exchange</b>	Pharmacies are commissioned to provide intravenous drug users with sterile injecting equipment in order to reduce the transmission of blood borne infections such as hepatitis and HIV.
<b>Palliative Care</b>	Pharmacies are commissioned to provide patients in the last phase of their lives (and their representatives) with access to palliative care medicines. Pharmacies accredited for this service are trained in the use of palliative care medicines and can provide advice to carers and other healthcare professionals.

<b>Supervised consumption</b>	Pharmacies are commissioned to provide registered drug addicts regular monitored doses of an opiate substitute to support them becoming progressively drug free.
<b>Smoking cessation</b>	Pharmacies are commissioned to provide patients who wish to stop smoking with an assessment, appropriate nicotine replacement therapy and counselling support.

## 5.2 Pharmacy Contracts

### 5.2.1 Standard contract

Healthcare professionals working in pharmacies that are held on a pharmaceutical list.

### 5.2.2 Distance selling pharmacies

A distance selling pharmacy receives a prescription via post and dispenses it the next day, sending it via courier. The pharmacist telephones the patient to counsel the patient on the medicine's correct use. In contractual terms distance selling pharmacies:

- must be registered with the General Pharmaceutical Council and have premises within NHS England's Area team geography
- must not provide 'face to face' NHS essential services on pharmacy premises
- premises cannot be on the same site as a provider of GP Services

### 5.2.3 Local Pharmaceutical Services (LPS)

This scheme, provides pharmacy contractors located more than 1km from the nearest pharmacy with a guaranteed minimum income where their dispensing volume falls below a defined threshold. The purpose of the scheme is to secure provision in an area where it would not otherwise be viable. Local Pharmaceutical Service contracts are kept under review with regard to pharmacy provision for the local population. Leicester has one pharmacy under this scheme, located in Stonegate.

### 5.2.4 Appliance contractor:

An appliance contractor provides services to people who need appliances such as stoma and incontinence care aids, trusses, hosiery, surgical stockings and dressings. Appliance contractors do not supply drugs. There are no appliance contractors in Leicester.

### 5.2.5 Dispensing Practices:

GP Practices are allowed to dispense medicines and appliances to patients who live in an NHS England determined controlled locality (Rural Area) and live more than a mile from a community pharmacy. Patients may choose to receive this service and request to be considered as a dispensing patient by the GP practice. There are no dispensing practices in Leicester.



## 6.0 LOCATION AND ACCESS TO COMMUNITY PHARMACIES IN LEICESTER

Leicester has 86 community pharmacies (as at 31 March 2017) and 59 GP Surgeries (including nine branch surgeries). Leicester has an overall rate of 2.5 community pharmacies per 10,000 population, higher than the England rate of 2.1<sup>13</sup>. The number of pharmacies has not changed since 2015, although Leicester has seen an increase in population of over 15,000 to almost 350,000 over the last 3 years (2013-2016). The majority of pharmacies are open for at least 40 hours and 8 are open for 100 hours. There are also 5 distance selling pharmacies and one Local Pharmaceutical Service (LPS). There are no dispensing GP Practices in Leicester and no appliance contractors.

Pharmaceutical Needs Assessments do not cover prison pharmacy services, as found in HM Prison Leicester, Welford Road, nor hospital pharmacy services, as found in University Hospitals of Leicester NHS Trust.

There are two important points to be kept in mind as this PNA considers location and access to community pharmacies. These are laid out in the following paragraphs.

### 6.0.1 Pharmacies do not serve a defined population

Pharmacies do not have a designated service area and customers, patients or the public are free to choose which pharmacy to use. However, in order to consider variation in pharmacy provision across Leicester, this report looks at the census middle super output areas (MSOAs) in which the community pharmacies are located and provides rates based on these populations. *This PNA considers access and use of pharmacies on the basis that people will generally use a pharmacy near to their home, but it should be clear there is no requirement on them to do so and similarly no power for NHS England, or any other commissioner, to direct the geographical location of existing pharmacies within Leicester (or anywhere else).*

### 6.0.2 Access to Community Pharmacies is not constrained by local authority boundaries

Following on from the fact that community pharmacies do not serve defined populations, figure 2, below, shows that, in addition to the pharmacies located within the city boundary, there are 9 pharmacies within 0.5 km and a further 12 between 0.5 and 1km of the Leicester boundary. These pharmacies are an essential part of the picture of provision for people living in the wider urban area of Leicester who will routinely travel to pharmacies which, depending on where they live, are outside or within the city boundary, as is convenient to them.

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<sup>13</sup> <http://www.content.digital.nhs.uk/catalogue/PUB22317/gen-pharm-eng-201516.pdf>

### 6.0.3 Location and control of entry provisions

Recent national policy has vacillated between leaving it to the market to determine the number and location of community pharmacies and having a more or less regulated approach to these issues. Control of entry provisions were first introduced in 1983 and came into full effect in 1987. This had the effect of 'locking in' the then existing pharmacies, and future contracts were only awarded if they were "necessary or desirable" to secure adequate provision in a given neighbourhood, as then defined. It also included the provision of 'minor relocations'. In 2003 the Office of Fair Trading (OFT) recommended the complete abolition of the Control of Entry provisions, arguing that it would lead to more choice and better service provision. The Government did not accept the OFT's recommendation, but in 2005 changed the regulations to increase competition. The 100 hour pharmacies regulations were introduced as an exemption in the 2005 Control of Entry provisions, which also included 'out of town shopping centres' and 'one stop primary care centres'. The Government removed these exemptions in September 2012, and introduced the idea of 'unforeseen benefits' for opportunities which were not included in the PNA. The implications of this is that the number and location of community pharmacies in Leicester, as elsewhere, is largely historical and the result of commercial decisions made by community pharmacy providers.

## 6.1 Location and access to pharmacies

The table below shows the location and types of pharmacies by MSOA in Leicester

Table 7: Pharmacy types, GP Practices and registered populations in Leicester by MSOA

MSOA Name	Total No. of Pharmacies	100hr Pharmacies	Internet/Distance Selling Pharmacies	Local Pharmaceutical Services	No. GP Surgeries (including Branch Surgeries)	Pharmacies per 10,000 population
Abbey	1	0	0	0	2	1.0
Aylestone	2	0	0	0	2	2.5
Aylestone Park	2	0	0	0	1	3.1
Beaumont Leys	2	0	0	0	2	2.0
Belgrave	6	1	0	0	3	5.7
Braunstone East	0	0	0	0	0	0.0
Braunstone West	1	0	0	0	1	1.4
Castle Hill	1	0	0	0	2	1.6
Charnwood	5	0	0	0	5	3.6
City Centre North	3	0	0	0	3	3.7
City Centre South & Southfields	1	0	1	0	3	0.0
Clarendon Park	5	0	0	1	4	3.4
Crown Hills	2	0	0	0	3	1.9
Evington	2	0	0	0	1	2.5
Eyres Monsell	2	1	0	0	3	1.2
Hamilton	2	1	0	0	1	0.7
Humberstone	2	0	0	0	1	2.5
Latimer North	1	0	0	0	1	1.2
Latimer South	5	0	0	0	5	5.2
Mowmacre and Stocking Farm	1	0	0	0	0	0.9
Netherhall and Thurnby Lodge	1	0	0	0	1	1.1
New Parks East	1	0	0	0	1	1.3
New Parks West	0	0	0	0	1	0.0
Newfoundpool	2	0	0	0	2	2.5
Northfields	4	0	0	0	1	5.0
Rowley Fields	1	0	0	0	1	1.3
Rushey Fields	1	0	0	0	2	1.5
Rushey Mead	2	0	2	0	1	0.0
Saffron	1	0	0	0	1	1.3
South Knighton	1	0	0	0	1	1.4
Spinney Hill	4	0	0	0	4	3.6
St Matthews and St Peters	4	1	0	0	5	2.5
St Saviours	3	1	1	0	0	1.0
Stoneygate	4	0	0	0	2	3.1
West End	9	3	0	0	6	4.4
West Knighton	2	0	1	0	0	1.2
Western Park	0	0	0	0	0	0.0
<b>Leicester City</b>	<b>86</b>	<b>8</b>	<b>5</b>	<b>1</b>	<b>72</b>	<b>2.1</b>

Data: NHS England, ONS mid-2015 population estimates

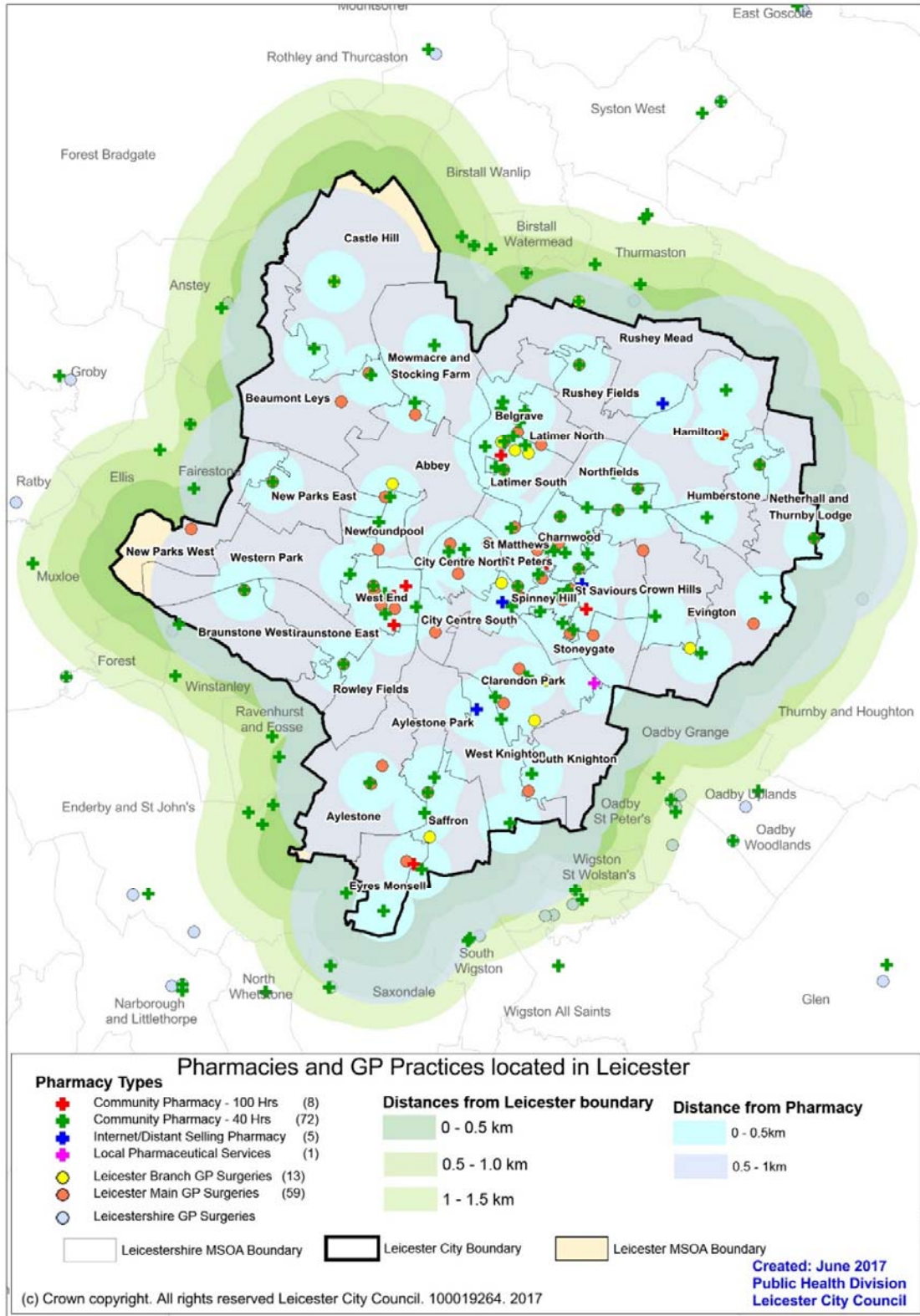
The highest rates of pharmacies are found in Belgrave, Latimer South, Northfields, West End, City Centre North, Spinney Hill, Charnwood and Clarendon Park. Although there are no pharmacies located in Braunstone East, City Centre South and Southfields, New Parks West and Western Park MSOAs, there are pharmacies situated within 1 km of the city boundary.

### 6.1.1 Distribution of community pharmacies

The figure below shows 0.5km and 1 km distances from each pharmacy to indicate areas of Leicester where people may have further to travel to their nearest pharmacy. It is clear from the Local Pharmaceutical Services (LPS) contract, indicated above, that a distance within 1km is considered to be reasonable access to a community pharmacy.

Figure 2 also shows that, in addition to the pharmacies located within the city boundary, there are 9 pharmacies within 0.5 km and a further 12 between 0.5 and 1km of the Leicester boundary. These pharmacies are an essential part of the picture of provision for people living in Leicester, particularly on the outskirts of the city who may travel to pharmacies outside of the city boundary. Leicestershire County Council has previously pointed out that while there is currently no indication of an impact on pharmacy service provision in Leicestershire resulting from Leicester's pharmacy service provision levels, this should be kept under review, particularly with projected increases in residents with long-term conditions, as well as issues of quality and uniformity of access to advanced and community based services.

Figure 2: Pharmacies and GP Surgeries in Leicester City

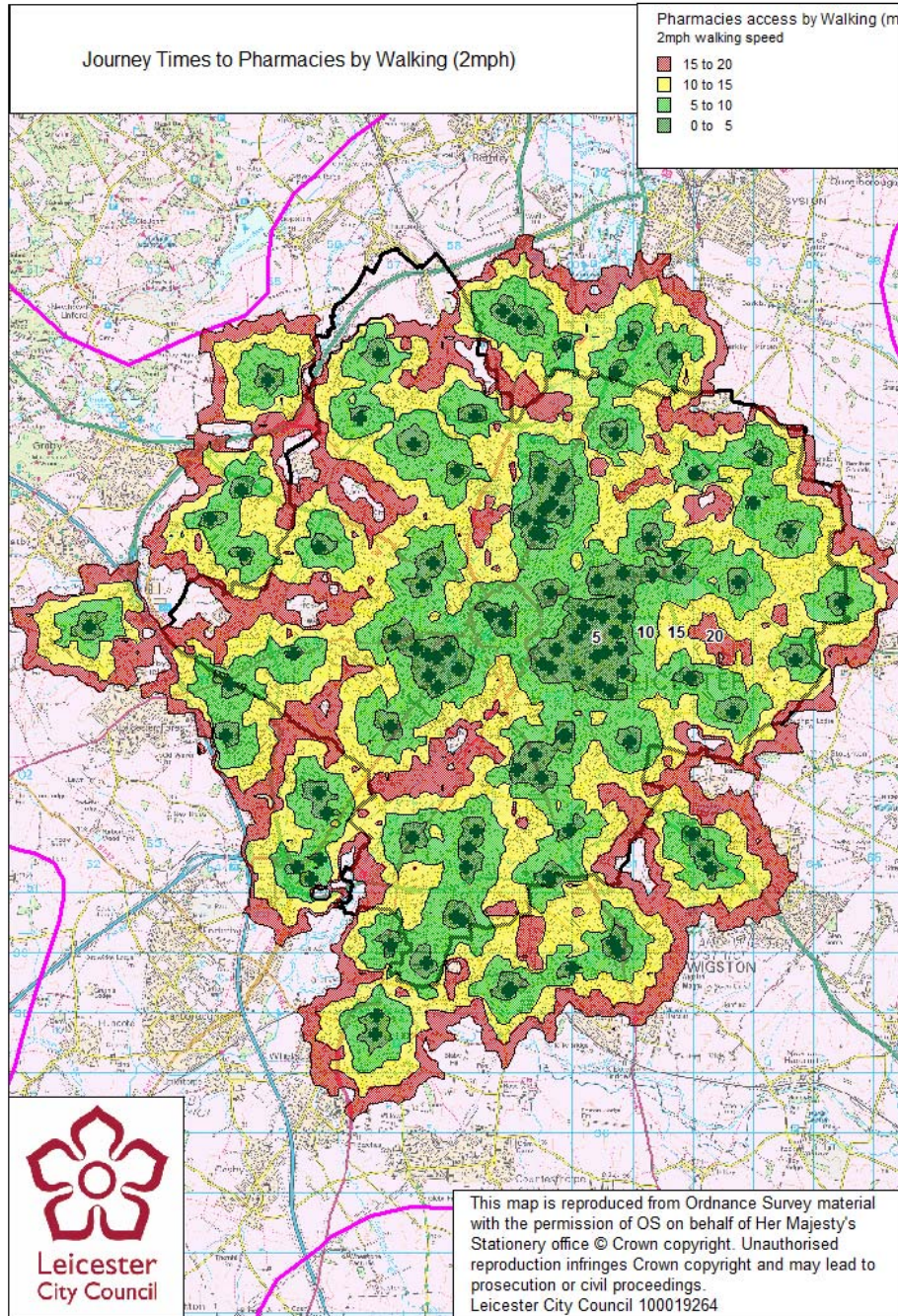


Data: NHS England Pharmacy data, CDS GP Practice data

### 6.1.2 Walk-times to Pharmacies

The map below shows pharmacies accessible within 20 minutes walking time (based on a walking pace of 2 mph).

Figure 3: Walk times to Pharmacies in Leicester



Y:\Accession\Pharmacies\June17Update/...

Source: Leicester City Council Transport Division

There are a few areas of Leicester indicated as being above a 20 minute walk-time from a pharmacy. From the northern most part of Abbey and moving clockwise round

the city, these areas include a mix of part residential and non-residential areas:

- Non-residential area in the north of Abbey
- Area around Beaumont Leys Lane
- Space centre
- Golf course
- Watermead Park
- Industrial area in Rushey Mead
- Crown Hills and Leicester General Hospital site
- South Knighton
- Riverside Park, Sports/football ground
- Braunstone and allotments
- Golf course, Braunstone Frith
- Western Park – Dane Hills
- Glenfrith, Glenfrith and Gilroes Hospital

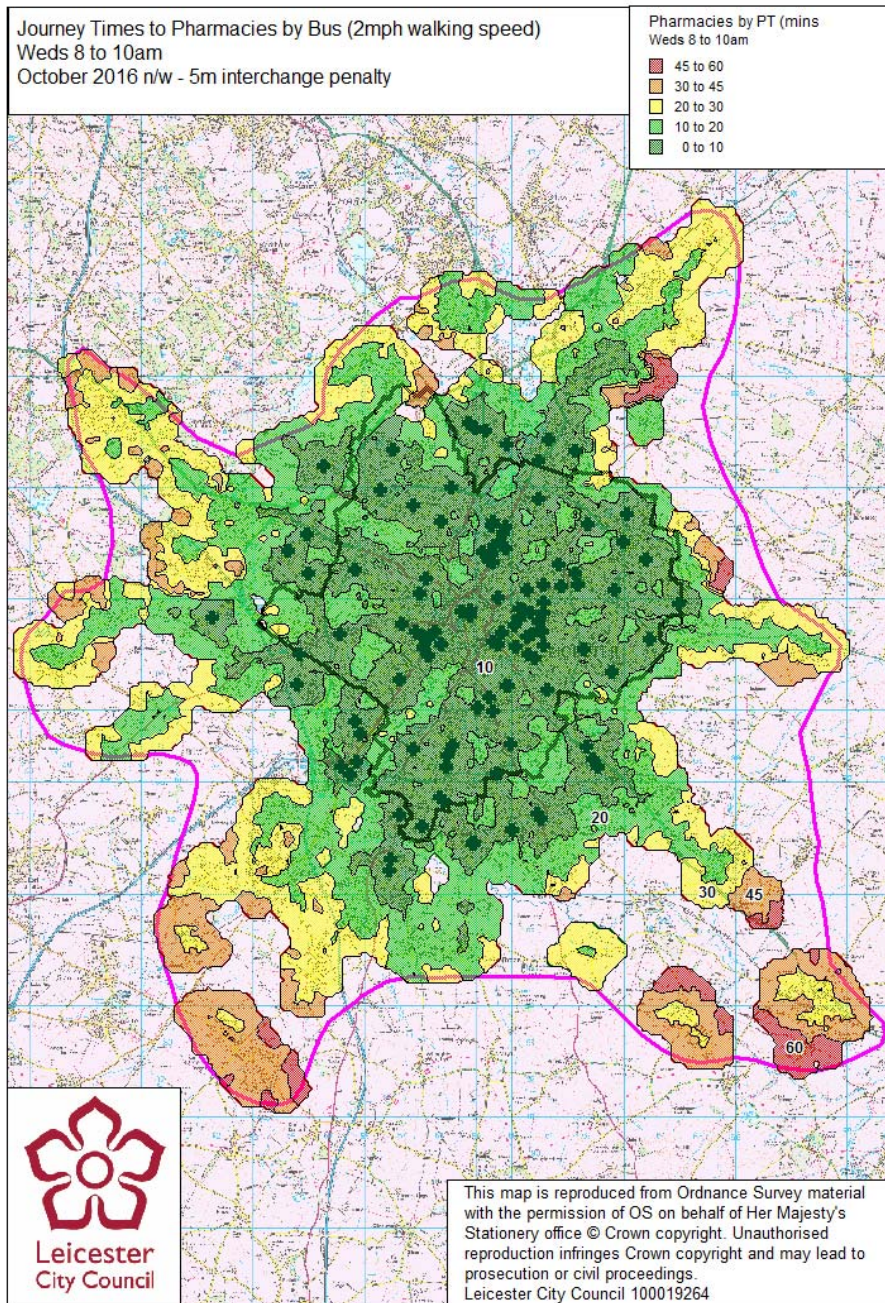
### **6.1.3 Public transport travel times to pharmacies**

The following map shows travel times by public transport to pharmacies, based on 2 miles per hour walking speed, and 5 minutes interchange (if the trip involves a change of buses).

The journey time includes walking from origin point to nearest bus stop, waiting time for bus, journey on bus and walking time from final bus stop to destination point (in this case a pharmacy), for a Wednesday between 8 and 10am.

Based on this map and the timings above, all pharmacies in Leicester can be travelled to within 20 minutes.

Figure 4: Public transport travel times to Pharmacies



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Source: Leicester City Council Transport Division

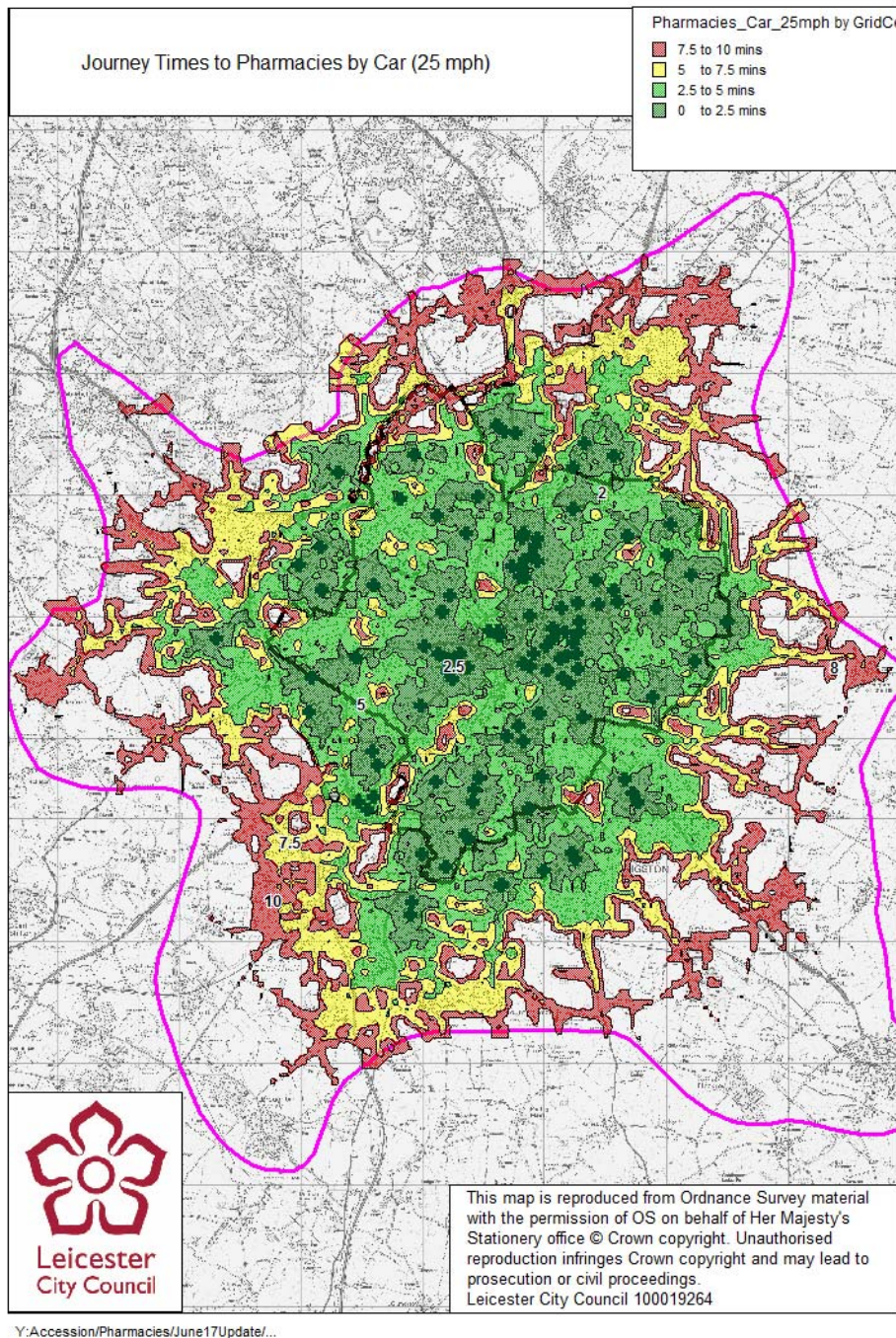
#### 6.1.4 Drive times to Pharmacies

Figure 5 shows that the majority of Leicester's population can drive to their nearest pharmacy within 5 minutes and only a few are up to 10 minutes away (based on an average speed of 25mph).



However, it should be noted that the percentage of the Leicester population which does not own a car is significantly higher than the average for England (37% v 26%: Census 2011) and there is considerable variation across the city.

Figure 5: Drive-times to Pharmacies in Leicester



Source: Leicester City Council Transport Division

Table 8, below, shows the households by MSOAs in Leicester without cars or vans. Households in City Centre North MSOA have the lowest number, with 71% of households having no cars or vans. MSOAs with the highest proportion of households with such vehicles (around 85% or more) are in the east of Leicester and include Evington and South Knighton. MSOAs where car/van ownership is low and there are fewer pharmacies include Beaumont Leys, New Parks and Braunstone Park and Rowley Fields. Although some of these residents are more than 15-20 minutes walking distance to their nearest pharmacy, pharmacies are still accessible within 20 minutes by public transport.

*Table 8: Leicester - Households with no cars or vans*

MSOA Name	Households with No Cars or Vans Count	Households with No Cars or Vans %
City Centre North	2104	71.1
City Centre South & Southfields	2210	68.7
St Matthews and St Peters	1991	52.7
New Parks East	1483	47.9
Spinney Hill	1602	47.9
Newfoundpool	1634	47.8
Braunstone West	1213	46.9
West End	2429	46.2
Charnwood	1715	44.6
Latimer South	1333	42.6
Northfields	1110	42.3
Mowmacre and Stocking Farm	1832	42.2
Saffron	1170	42.2
New Parks West	1349	41.5
Eyres Monsell	1470	41.4
Belgrave	1155	41.2
Braunstone East	1312	40.7
Crown Hills	1585	40.3
Netherhall and Thurnby Lodge	1362	36.4
Beaumont Leys	1405	35.9
Aylestone Park	1036	35.4
Latimer North	918	35.2
Stoneygate	1309	32.5
Clarendon Park	1621	32
Rowley Fields	819	29.4
Humberstone	826	28.4
St Saviours	784	27.5
West Knighton	818	27.5
Castle Hill	677	26.5
Aylestone	874	26.1
Abbey	1011	25.4
Rushey Fields	566	24.2
Western Park	627	20.7
Rushey Mead	475	16.9
Hamilton	707	16.2
Evington	439	15.3
South Knighton	404	13.8
<b>Leicester City Total</b>	<b>45375</b>	<b>36.9</b>

*Data: Census 2011*



there are no pharmacies) to over 600 hours per week. Areas of west Leicester have the lowest provision; there are no pharmacies in Braunstone East, New Parks West and Western Park MSOAs. However 100 hour pharmacies are located within 1km distance of these MSOAs

- West End has the highest provision in terms of opening times (9 pharmacies totaling over 600 open hours per week)
- Fewer open hours in Mowmacre and Stocking Farm, Castle Hill, Braunstone West, Saffron and South Knighton

Table 9: Pharmacy opening days by MSOAs

MSOA Name	Weekdays and Sat	Weekdays and Sat am	Weekdays and Weekends	weekdays late and sat	Weekdays late and weekends	Weekdays Only	7 days std hours	Internet /Distance Selling Pharmacies	Leicester Total	Total Hours Open
Abbey	0	1	0	0	0	0	0	0	1	50.0
Aylestone	0	1	0	0	1	0	0	0	2	128.0
Aylestone Park	1	0	0	0	0	1	0	0	2	96.0
Beaumont Leys	1	0	1	0	0	0	0	0	2	100.0
Belgrave	0	2	0	0	0	3	1	0	6	316.0
Braunstone East	0	0	0	0	0	0	0	0	0	0.0
Braunstone West	0	0	0	0	0	1	0	0	1	48.5
Castle Hill	0	1	0	0	0	0	0	0	1	44.5
Charnwood	1	1	2	0	1	0	0	0	5	299.0
City Centre North	0	0	1	0	1	0	1	0	3	210.5
City Centre South & Southfields	0	0	0	0	0	1	0	1	2	40.0
Clarendon Park	4	1	0	0	0	0	0	0	5	243.5
Crown Hills	0	2	0	0	0	0	0	0	2	104.8
Evington	1	1	0	0	0	0	0	0	2	91.5
Eyres Monsell	0	1	0	0	1	0	0	0	2	151.5
Hamilton	0	1	0	0	1	0	0	0	2	148.5
Humberstone	1	1	0	0	0	0	0	0	2	89.5
Latimer North	0	0	0	0	1	0	0	0	1	63.0
Latimer South	0	2	0	0	0	3	0	0	5	225.8
Mowmacre and Stocking Farm	0	1	0	0	0	0	0	0	1	41.5
Netherhall and Thurnby Lodge	0	1	0	0	0	0	0	0	1	55.8
New Parks East	1	0	0	0	0	0	0	0	1	52.0
New Parks West	0	0	0	0	0	0	0	0	0	0.0
Newfoundpool	0	2	0	0	0	0	0	0	2	93.8
Northfields	2	1	0	1	0	0	0	0	4	205.8
Rowley Fields	0	1	0	0	0	0	0	0	1	56.0
Rushey Fields	0	1	0	0	0	0	0	0	1	52.0
Rushey Mead	0	0	0	0	0	2	0	2	4	87.5
Saffron	0	1	0	0	0	0	0	0	1	46.5
South Knighton	1	0	0	0	0	0	0	0	1	43.5
Spinney Hill	0	4	0	0	0	0	0	0	4	175.5
St Matthews and St Peters	0	1	0	1	1	1	0	0	4	248.5
St Saviours	1	1	0	0	1	0	0	1	4	154.4
Stoneygate	1	1	1	0	0	1	0	0	4	204.5
West End	1	3	0	0	2	1	2	0	9	610.9
West Knighton	0	1	0	0	0	1	0	1	3	91.5
Western Park	0	0	0	0	0	0	0	0	0	0.0
<b>Leicester City</b>	<b>16</b>	<b>34</b>	<b>5</b>	<b>2</b>	<b>10</b>	<b>15</b>	<b>4</b>	<b>5</b>	<b>91</b>	<b>4670.1</b>
0 km to 0.5km	1	5			1	1	1		9	
0.5km to 1km	2	5			3	1	1		12	
1km to 1.5km		3	1						4	
Total within 1.5km of Leicester	3	13	1	0	4	2	2	0	25	

Data: NHS England

## Conclusions

This section has described the types and locations of community pharmacies in Leicester. It should be noted that this PNA does not include pharmacy services not open to the general public, that is prison and hospital pharmacy services.

Leicester has 86 community pharmacies (as at 31st March 2017) - a rate of 2.5 community pharmacies per 10,000 population higher than the average for England, 2.1 pharmacies per 10,000 population.

Community pharmacies do not serve defined populations or geographical areas. This PNA considers access and use of pharmacies on the basis that people will generally use a pharmacy near to their home, GP surgery or workplace.

Generally, almost everyone in Leicester is able to access a pharmacy by walking, public transport or private car within what can be considered a reasonable time. A distance within 1km, or 20 minute walk, 20 minute public transport journey or 5 minute drive are considered to be reasonable access times and distances to a community pharmacy.

It is evident that there is clustering of pharmacy locations not necessarily related to underlying health need but rather to historical and commercial decisions made over a number of years, or decades.

There are nine pharmacies within 0.5 km and a further 12 between 0.5 and 1km of the Leicester boundary. These pharmacies are an essential part of the picture of provision for people living in Leicester, particularly toward the outskirts of the city.

The majority of pharmacies in the city are open for at least 40 hours and 8 are open for 100 hours. A number of pharmacies open for longer than their contracted hours.

Further details of the services provided by community pharmacies and their delivery are considered in the next chapter.

## 7.0 Current Pharmacy Service Provision

This section provides information regarding the delivery of essential, advanced and community based services by pharmacies in Leicester. All pharmacies provide essential services, most provide advanced services and pharmacies can choose which, if any, community based services they wish to offer.

### 7.1 Essential Services

Essential services are described in section 5.1.1 and constitute the following:

- Dispensing and repeat dispensing
- Repeat prescription
- Clinical governance
- Promotion of healthy lifestyles (Public Health)
- Disposal of unwanted medicines
- Signposting
- Support for self-care

Table 10 shows the provision of advanced and community based services in Leicester pharmacies

Table 10: Service Provision in Leicester Pharmacies

Number of Pharmacies providing community services													
MSOA Name	Total No. of Pharmacies	Advanced services				Community based services							Total No. of services (exc MUR & NMS)
		Medicines Use Review	New Medicine Service	Stoma Appliance Customisation	Flu Vaccination Services	Emergency Hormonal Contraception	H-Pylori breath testing	Minor Ailments	Palliative Care	Stop Smoking services	Needle Exchange	Supervised Consumption	
West End	9	9	7	2	4	3	2	2	0	5	2	5	25
Clarendon Park	5	5	4	0	4	4	2	1	0	4	0	2	17
Northfields	4	4	3	0	3	1	1	3	1	4	1	3	17
St Matthews and St Peters	4	4	3	2	3	2	1	4	1	0	1	4	18
Charnwood	5	5	3	0	3	1	1	3	1	2	2	2	15
City Centre North	3	3	3	0	3	3	3	0	0	1	0	3	13
Belgrave	6	4	3	0	1	1	2	3	1	2	1	2	13
Stoneygate	4	4	4	0	3	1	1	3	1	3	0	0	12
Latimer South	5	4	3	0	2	1	1	4	1	1	0	1	11
Aylestone Park	2	2	2	0	2	0	1	2	0	2	1	1	9
Crown Hills	2	2	2	1	1	1	0	1	0	1	0	2	7
Spinney Hill	4	3	2	0	1	0	1	3	1	1	0	1	8
Hamilton	2	2	2	0	2	1	0	1	0	2	0	1	7
Aylestone	2	2	2	1	1	1	0	1	0	0	0	2	6
Beaumont Leys	2	2	2	0	1	1	0	1	1	1	0	1	6
Humberstone	2	2	2	0	1	1	0	2	0	1	0	1	6
Braunstone West	1	1	1	0	0	0	1	0	0	1	1	1	4
New Parks East	1	1	1	0	1	0	0	1	0	1	1	1	5
Newfoundpool	2	1	0	0	0	0	1	1	0	2	0	1	5
Rushey Fields	1	1	1	0	1	0	1	1	0	1	0	1	5
Abbey	1	1	1	0	1	1	0	1	0	1	0	0	4
Eyres Monsell	2	2	2	1	1	0	0	0	0	2	0	0	4
Rowley Fields	1	1	1	1	1	0	0	1	0	0	0	1	4
Castle Hill	1	1	1	0	0	0	1	0	1	0	0	1	3
South Knighton	1	0	0	0	1	0	0	1	0	1	0	0	3
St Saviours	3	3	1	0	0	1	1	1	0	0	0	0	3
West Knighton	2	1	1	1	1	0	0	0	0	0	0	1	3
Mowmacre and Stocking Farm	1	0	0	0	0	0	0	0	1	0	0	1	2
Netherhall and Thurnby Lodge	1	1	1	0	1	0	0	0	0	0	0	1	2
Saffron	1	1	1	0	1	0	0	0	0	0	0	1	2
Latimer North	1	1	1	0	1	0	0	0	0	0	0	0	1
Rushey Mead	2	2	0	0	0	0	1	0	0	0	0	0	1
Braunstone East	0	0	0	0	0	0	0	0	0	0	0	0	0
City Centre South & Southfields	1	1	1	0	0	0	0	0	0	0	0	0	0
Evington	2	0	0	0	0	0	0	0	0	0	0	0	0
New Parks West	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Park	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Leicester City</b>	<b>86</b>	<b>76</b>	<b>61</b>	<b>9</b>	<b>45</b>	<b>24</b>	<b>22</b>	<b>41</b>	<b>10</b>	<b>39</b>	<b>10</b>	<b>41</b>	<b>241</b>
Distance from Leicester boundary	Total No. of Pharmacies	Medicines Use Review	New Medicine Service	Stoma Appliance Customisation	Flu Vaccination Services	Emergency Hormonal Contraception	H-Pylori breath testing	Minor Ailments	Palliative Care	Stop Smoking services (Champix)	Needle Exchange	Supervised Consumption	
0 km to 0.5km	9	8	5		3	5		1		4	1	5	19
0.5km to 1km	12	11	9	2	10	6			3	6	1	5	33
1km to 1.5km	9	9	9	1	9	6		1	3	2		8	30
Over 1.5km	110	104	92	19	80	56			28	32	23	64	302

## Dispensing and repeat dispensing

During 2016/17 the total prescribing costs for Leicester City CCG were nearly £48,000,000 (see table 11 below). The top three causes for prescriptions were the endocrine system, central nervous system disorders, and respiratory diseases. These accounted for almost half of the total cost of prescriptions. Prescribed items are associated with the GP practice of the patient rather than the patient's residence, so it is not possible to show the data by area of residence.

*Table 11: Prescription items and associated costs, 2016/17*

Description	Number of Items	Total Cost (£)
Endocrine System	830,579	£9,528,360.71
Central Nervous System	1,164,501	£8,510,727.73
Respiratory System	468,047	£5,792,599.08
Cardiovascular System	1,972,742	£5,170,911.39
Nutrition and Blood	417,055	£4,530,133.56
Gastro-Intestinal System	560,921	£2,300,102.37
Appliances	227,202	£1,937,509.73
Skin	291,940	£1,783,081.54
Stoma Appliances	32,658	£1,587,108.38
Obstetrics, Gynae and Urinary Tract Disorders	139,072	£1,220,116.80
Infections	253,802	£1,038,226.51
Eye	150,381	£842,915.31
Immunological Products & Vaccines	86,981	£805,357.37
Musculoskeletal & Joint Diseases	214,326	£716,392.08
Malignant Disease & Immunosuppression	19,617	£573,544.17
Dressings	21,454	£467,105.76
Ear, Nose And Oropharynx	76,412	£383,420.89
Incontinence Appliances	12,741	£272,078.55
Anaesthesia	10,290	£221,804.65
Other Drugs And Preparations	8,022	£205,163.53
<b>Grand Total</b>	<b>6,958,743</b>	<b>£47,886,660.11</b>

*Data: EPact prescribing*



## 7.2 Advanced Services

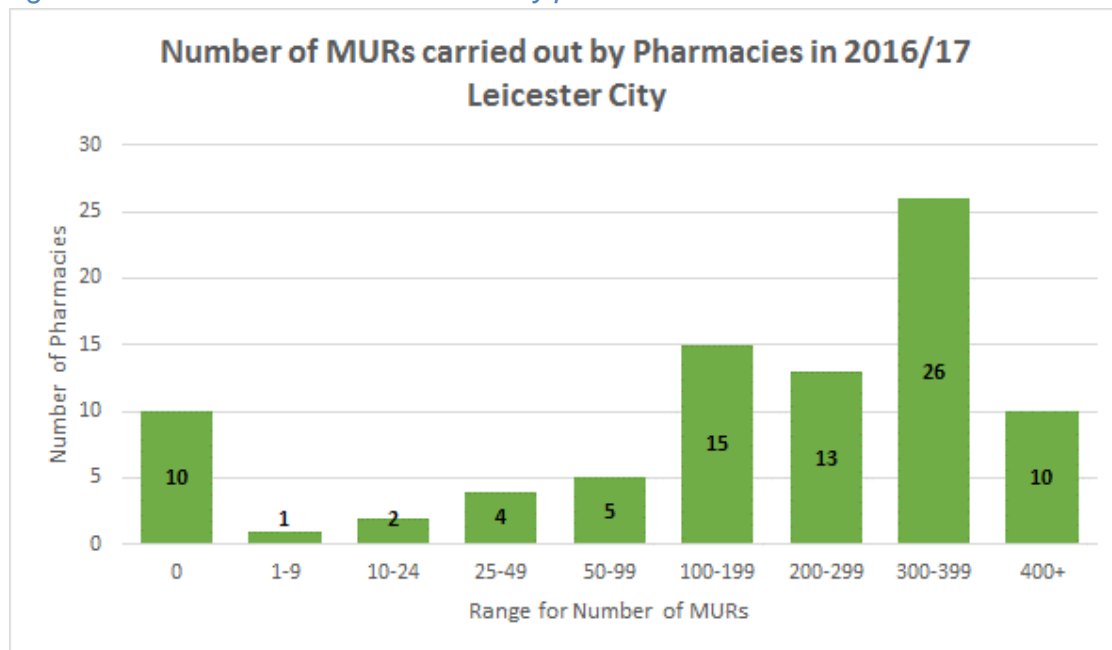
There are five advanced services as described in section 5.1.2.

### 7.2.1 Medicines Use Reviews:

A Medicines Use Review is a free NHS service offered by pharmacies in the UK. The review involves an appointment with the local pharmacist in a private consultation room, to discuss the patient's knowledge and use of medicines prescribed for them.

The majority of Leicester pharmacies (88%) are accredited to deliver Medicines Use Reviews (MUR). A pharmacy can only deliver a maximum number of 400 MURs each year. In 2016/17 there were over 19,000 MURs delivered in 76 Leicester pharmacies, ranging from 9 to over 400 in any individual pharmacy (figure 7). This represents an average of 250 MURs per pharmacy offering the service during the year or 59 MURs per 1,000 population. The least number of MURs carried out during 2016/17 was 9 MURs (four pharmacies). Ten pharmacies also carried out the maximum number of 400 during the year.

Figure 7: Number of MURs carried out by pharmacies in 2016/17

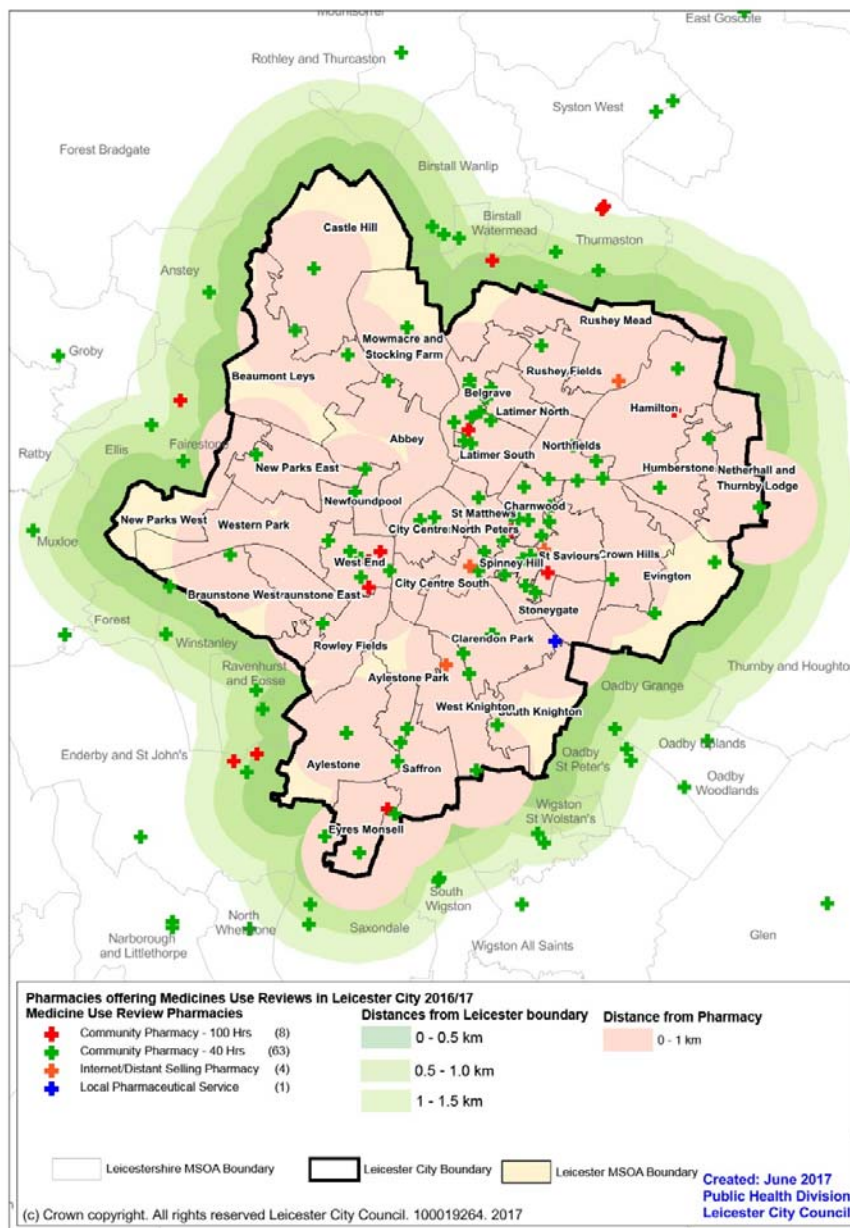


Data: NHS England

A local research project at Leicester Royal Infirmary has shown that the delivery of regular structured medicine reviews of people with asthma can reduce their day-to-day symptoms and reduce the burden of providing emergency care on the NHS<sup>14</sup>.

<sup>14</sup> Murphy, Anna: The Community Pharmacy SIMPLE Approach to Asthma Management.pdf

Figure 8: Pharmacies accredited for Medicines Use Reviews



### 7.2.2 New Medicines Service

The New Medicines Service (NMS) is available for people with the conditions below who have been newly prescribed a listed medicine:

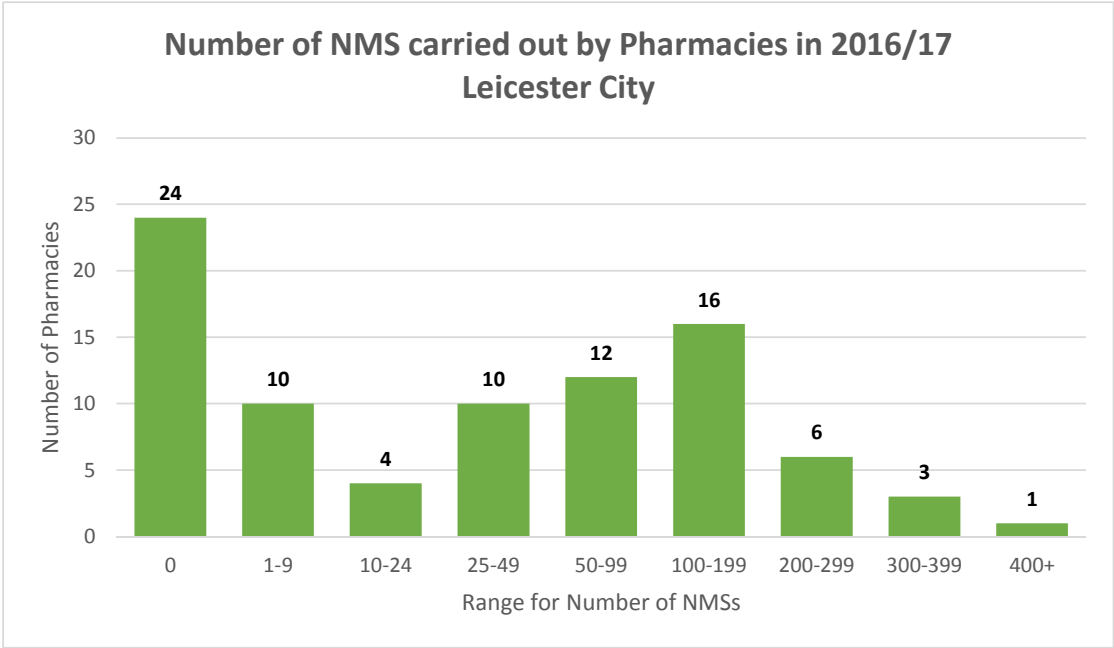
- asthma and COPD
- diabetes (Type 2)
- antiplatelet / anticoagulant therapy
- hypertension

Pharmacists can intervene and provide support and advice to patients managing a long-term condition, making sure patients understand how the medication should be taken, thus improving their self-management of the condition.

Around 6,500 NMS reviews were carried out by 62 pharmacies during 2016/17. This represents 20 NMS per 1,000 population, with the lowest rates in Evington, Mowmacre, Newfoundpool, Rushey Mead and South Knighton, and the highest rates in Charnwood.

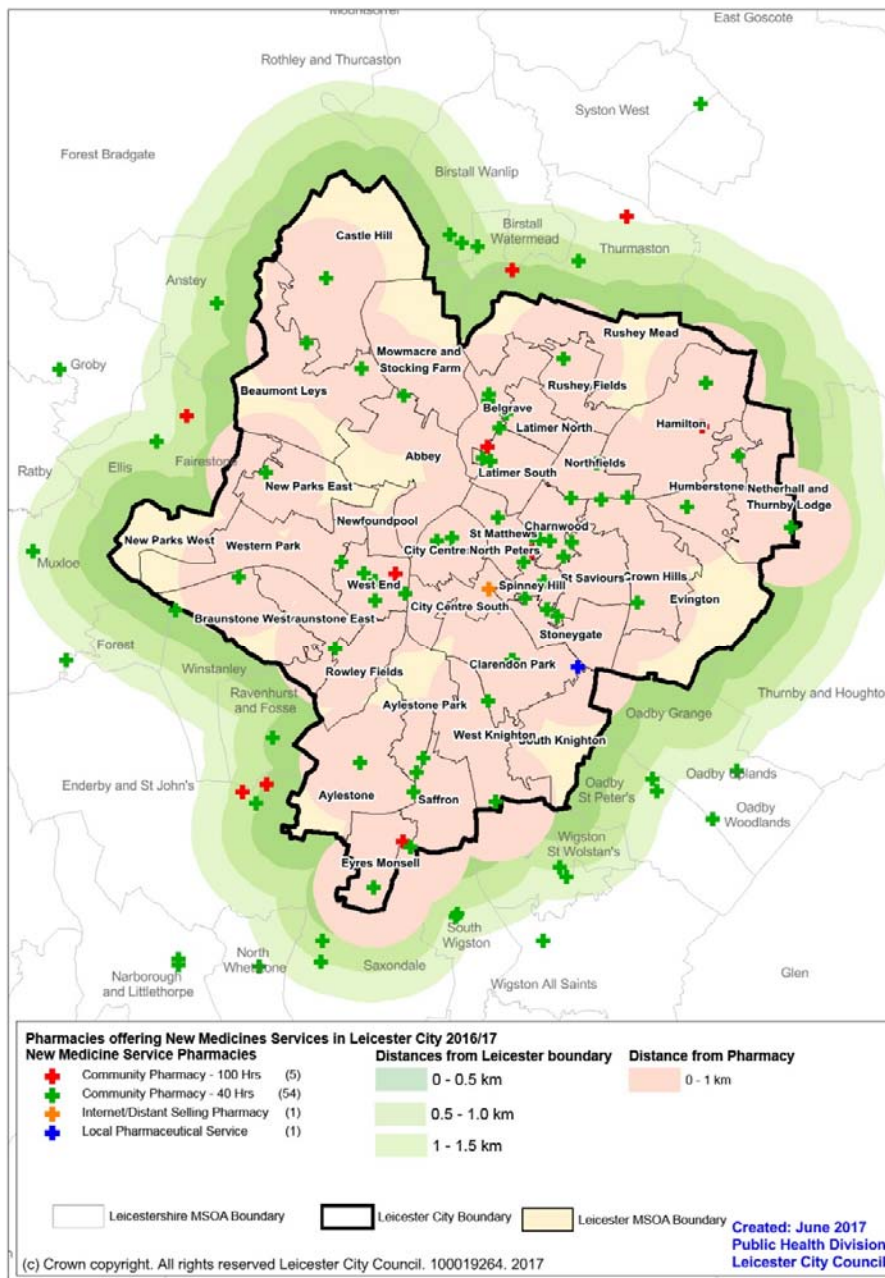
The number of NMS reviews carried out by any accredited pharmacy ranges from 1 to 464, with most pharmacies carrying out up to 200 reviews.

Figure 9: Number of NMS carried out by pharmacies in 2016/17



Data: NHS England

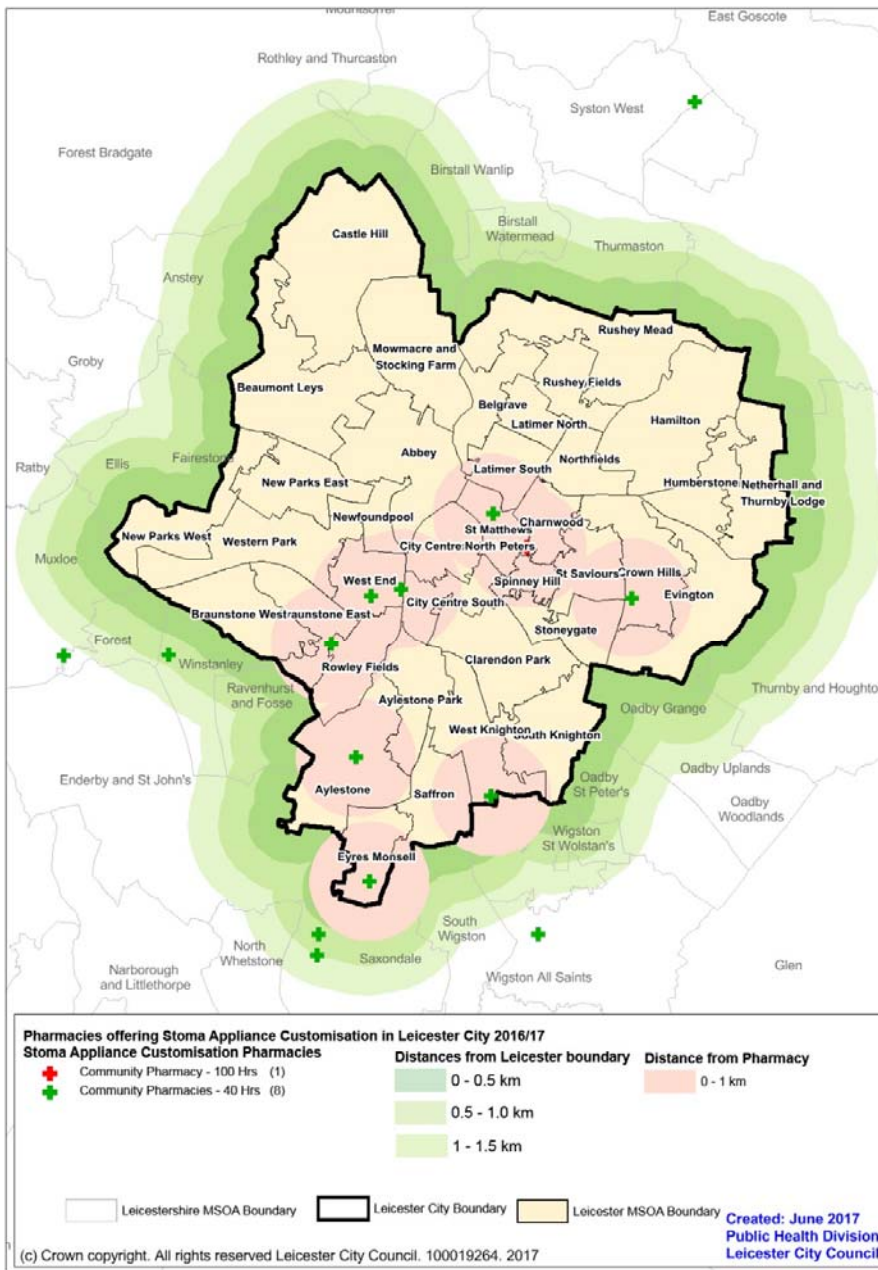
Figure 10: Pharmacies accredited for New Medicines Services



### 7.2.3 Stoma Appliance Customisation

This service ensures comfortable fitting of the stoma appliance (based on the patient's measurements or a template) and proper use of the appliance to improve patient comfort, the duration of usage and reducing waste.

Figure 11: Pharmacies accredited for Stoma Appliance Customisation



Stoma Appliance Customisation (SAC) is accredited at 7 pharmacies in Leicester (8%). This is lower than the national average of 15% of pharmacies<sup>15</sup>. The SAC service usually involves delivery to the patient's home and is also available from other providers.

#### 7.2.4 Appliance Use Reviews

Appliance Use Reviews (AURs) can be carried out by a pharmacist or a specialist nurse in the pharmacy or at the patient's home. AURs should improve the patient's knowledge and use of any 'specified appliance'

<sup>15</sup> General Pharmaceutical Services Report, England 2006/07 to 2015/16: <https://digital.nhs.uk/catalogue/PUB22317>

The service allows 1 AUR per 1,000 prescriptions. No pharmacies in Leicester are accredited for AURs whilst nationally the rate is 1.2%<sup>15</sup>.

### 7.2.5 Flu vaccination Service

The flu vaccination service runs each year from September through to January alongside the GP service, aiming to vaccinate all patients who are at risk of developing more serious complications from the virus. These include people aged 65 years and over, pregnant women and those with certain health conditions.

In 2016/17, over 5,000 flu vaccinations were provided through 45 pharmacies in Leicester (52% of community pharmacies). Nationally flu vaccinations were offered in 62% of pharmacies<sup>15</sup>.

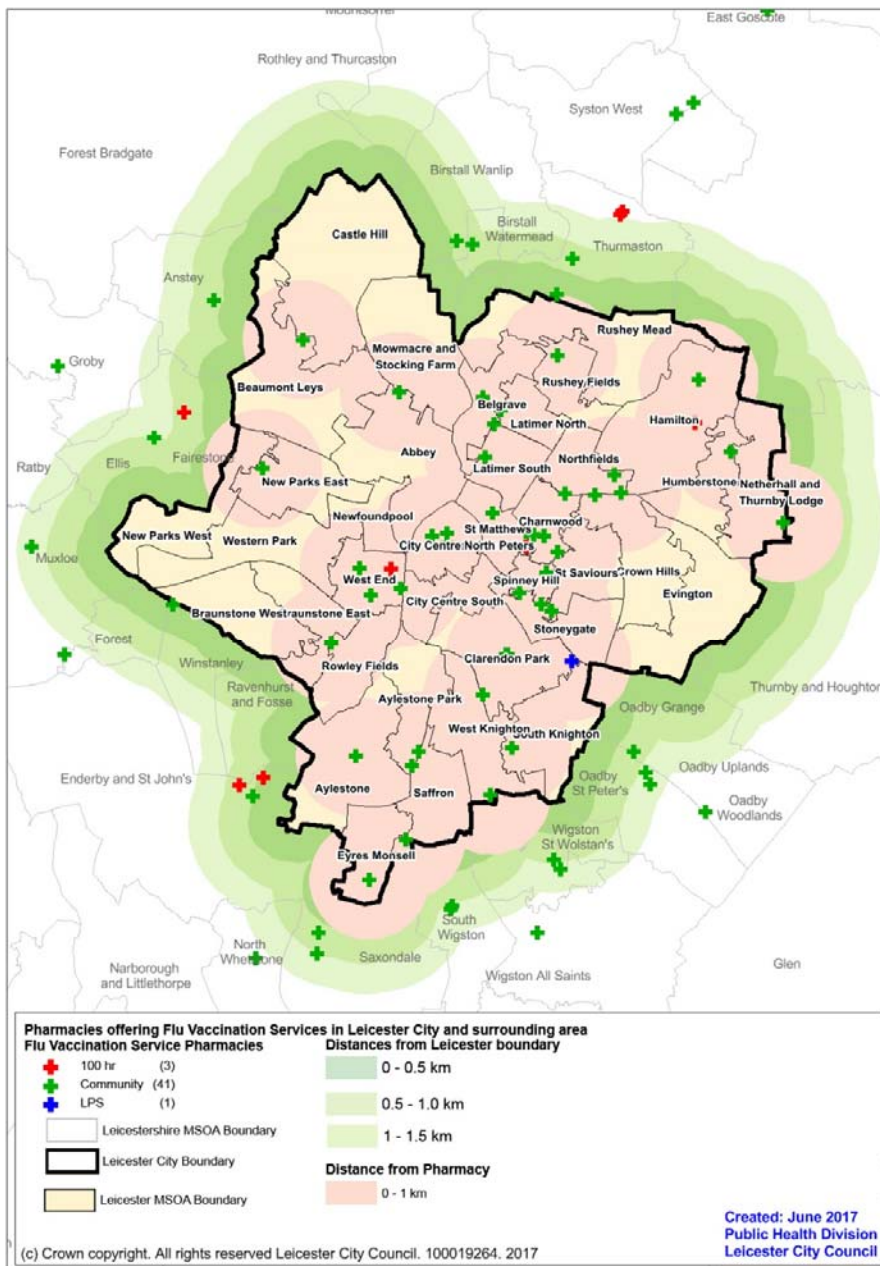
*Table 12: Provision of flu vaccinations in Leicester pharmacies, 2016/17*

MSOA Name	Pharmacies offering Flu Vaccination Services	Total Number of Vaccines administered in 2016/17	Population 18+ (2015)	Pharmacies providing Flu vaccination services per 10,000 population 18+
Abbey	1	239	8070	1.2
Aylestone	1	57	6344	1.6
Aylestone Park	2	97	5048	4.0
Beaumont Leys	1	104	7150	1.4
Belgrave	1	122	6942	1.4
Braunstone East	0	0	6144	0.0
Braunstone West	0	0	4618	0.0
Castle Hill	0	0	4784	0.0
Charnwood	3	447	9844	3.0
City Centre North	3	503	7627	3.9
City Centre South & Southfields	0	0	10351	0.0
Clarendon Park	4	351	10222	3.9
Crown Hills	1	206	7867	1.3
Evington	0	0	6470	0.0
Eyres Monsell	1	47	6059	1.7
Hamilton	2	420	10065	2.0
Humberstone	1	83	5939	1.7
Latimer North	1	111	6442	1.6
Latimer South	2	93	7517	2.7
Mowmacre and Stocking Farm	0	0	7984	0.0
Netherhall and Thurnby Lodge	1	336	6989	1.4
New Parks East	1	159	5472	1.8
New Parks West	0	0	5722	0.0
Newfoundpool	0	0	5906	0.0
Northfields	3	344	5587	5.4
Rowley Fields	1	185	6250	1.6
Rushey Fields	1	179	5170	1.9
Rushey Mead	0	0	6200	0.0
Saffron	1	164	5256	1.9
South Knighton	1	15	5736	1.7
Spinney Hill	1	10	7868	1.3
St Matthews and St Peters	3	185	8018	3.7
St Saviours	0	0	7288	0.0
Stoneygate	3	368	9651	3.1
West End	4	169	11816	3.4
West Knighton	1	59	6511	1.5
Western Park	0	0	5836	0.0
<b>Leicester City</b>	<b>45</b>	<b>5053</b>	<b>260763</b>	<b>1.7</b>

*Data: NHS England, ONS mid-2015 population estimates*

More vaccinations were carried out in the City Centre, Charnwood and Hamilton. Less than 20 flu vaccinations were carried out in pharmacies in South Knighton and Spinney Hills.

Figure 12: Pharmacies accredited for flu vaccinations in Leicester, 2016/17



### 7.3 Community Based Services

These are services commissioned locally from community pharmacies to meet the needs of the population.

#### 7.3.1 Emergency Hormonal Contraception (EHC)

There are two methods for the provision of EHC.

(1) The insertion of an intrauterine device up to 5 days after unprotected sexual intercourse. This can only be provided by a trained clinician and is available at GPs and

the Integrated Sexual Health Service.

(2) The provision of the emergency hormonal contraception pill which can be taken up to 72 hours post unprotected sexual intercourse. This is available from most GPs, the city's Integrated Sexual Health Service, over the counter at most pharmacies (which must be paid for) and as a free scheme for under 25s at community pharmacies commissioned by Leicester City Council.

The aim of the service commissioned from community pharmacists is to reduce unintended pregnancy and improve sexual health through the provision of emergency hormonal contraception (Levonelle) to women under 24 along with advice and information relating to contraception, pregnancy testing sites and local sexual health services.

In 2016/17 the EHC scheme provided 2,900 consultations to women under 25. Most were to women aged between 20 and 24 years. There are a small number provided to women under the age of 16. EHC was provided by 24 pharmacies. The majority of these are located in the east of Leicester, with fewer in the west where levels of teenage conception rates are significantly higher than the national average. However in practice the majority of the provision is through the city centre pharmacies and it is probable that young women prefer to access this service outside of their immediate community and where a greater level of anonymity is available.

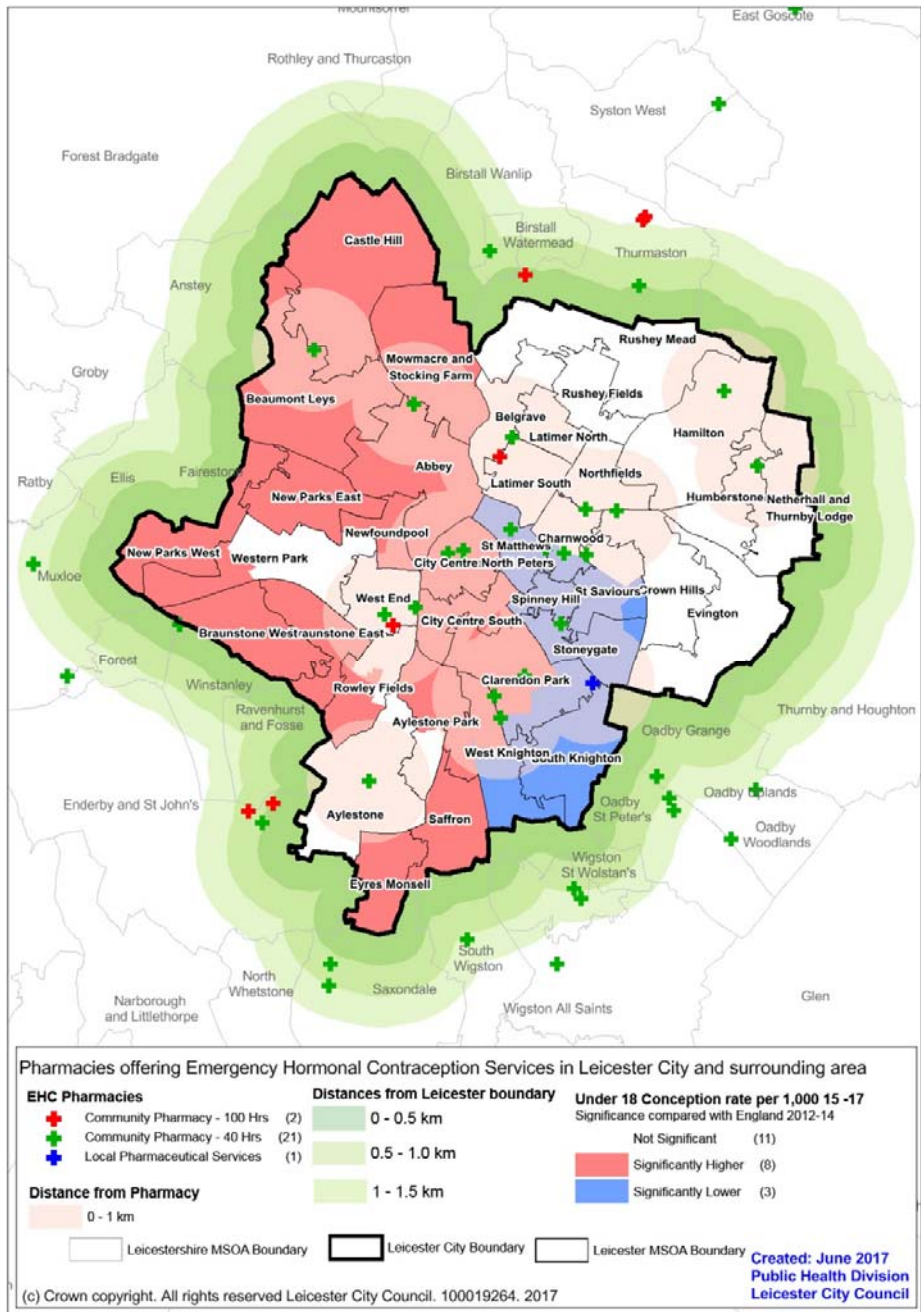
The largest uptake was in the city centre pharmacists, followed by Narborough Road (West End).

Three community pharmacies accounted for two thirds of all EHC claims:

- Boots Chemist in Highcross (1,291 consultations, 44%)
- Riverside Pharmacy in West end (285 consultations, 13%)
- Polypharmacy in West end (94 consultations, 11%)



Figure 13: Pharmacies accredited for Emergency Hormonal Contraception in and around Leicester



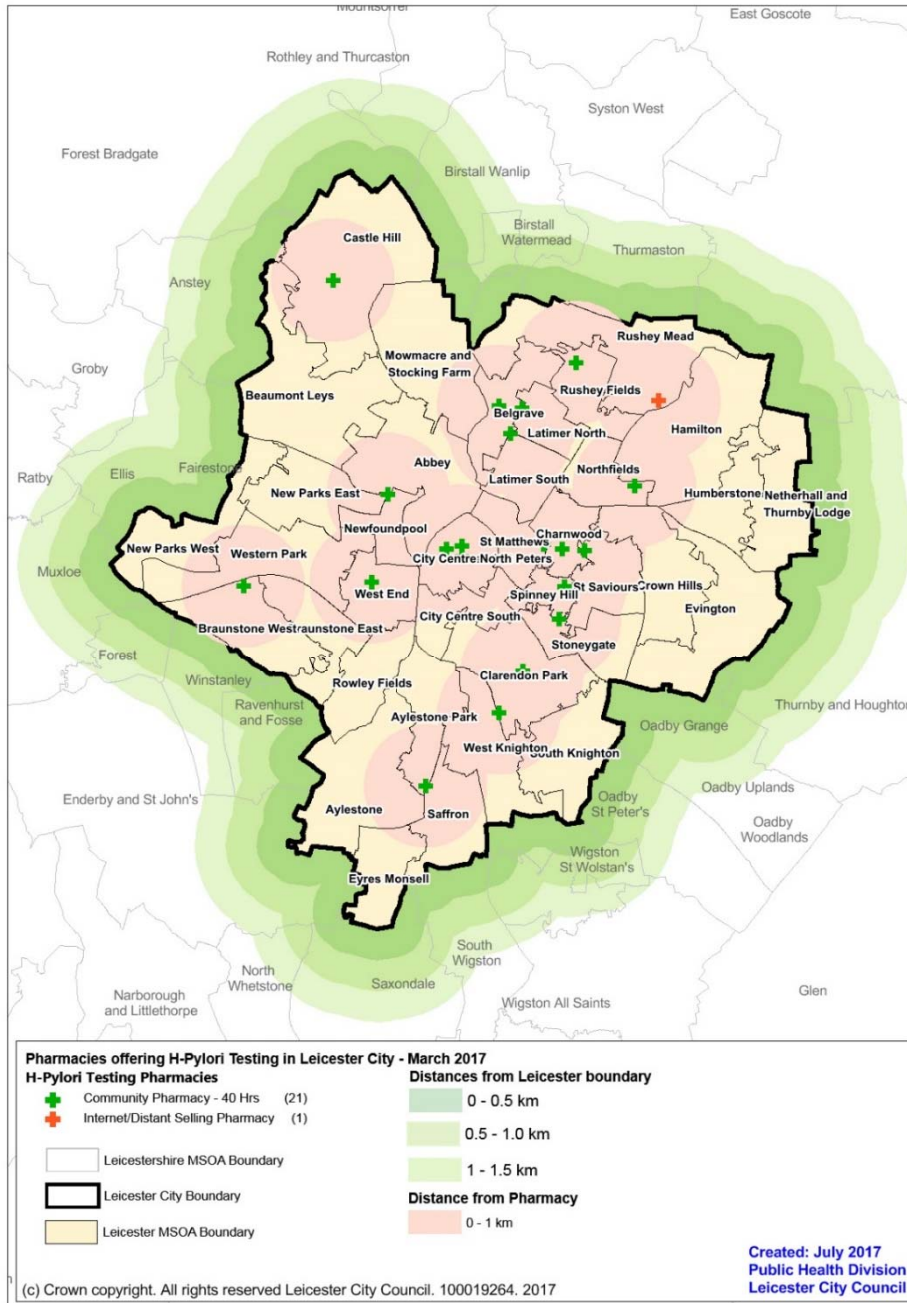
### 7.3.2 H-pylori breath-testing:

This service aims to improve the care of patients with dyspepsia symptoms through the provision of an H-pylori test and treat service.

- Ensuring that all patients with dyspepsia requiring a H-pylori test have access to this test in primary care and are given eradication therapy if positive
- Ensuring that all requests for endoscopy are appropriate and only those patients with ALARM symptoms are referred to secondary care

- Providing a means by which H-pylori breath testing can be performed in primary care
- Improving access and choice for patients
- Improving primary care capacity related to the management of dyspepsia symptoms

Figure 14: Pharmacies accredited for H-Pylori breath-testing services



H-Pylori testing (H-PL) was accredited in 22 pharmacies in Leicester (March 2017). Figure 14, shows there is lower provision in the east and west outskirts of the city. There is no H-PL service in Beaumont Leys, New Parks, Rowley fields, Eyres Monsell, South Knighton, Evington and Humberstone.

### 7.3.3 Minor Ailment Service

The aim of this service is to improve access and choice for people with minor ailments by:

- promoting self-care through the pharmacy, including provision of advice and where appropriate medicines and/or appliances without the need to visit the GP practice;
- operating a referral system from local medical practices or other primary care providers; and
- supplying appropriate medicines and devices (dressings etc.) at NHS expense
- It also aims to improve primary care capacity by reducing medical practice workload related to minor ailments.

Minor ailments covered are:

Athletes Foot	Indigestion
Back pain	Insect bites & stings
Cold sores	Mouth ulcers
Colic	Nappy rash
Common cold	Nasal congestion
Conjunctivitis	Oral Thrush
Constipation	Period Pain
Contact dermatitis	Scabies
Cough	Sprains & Strains
Diarrhoea	Sore Throat
Earache/Ear wax	Stomach upset
Eczema (mild)	Teething
Fever (temperature)	Threadworms
Haemorrhoids (Piles)	Vaginal Thrush
Hay fever	Viral upper respiratory tract infection
Headache	Warts
Head lice	Verrucas
Heartburn	

Minor ailment services were offered at 41 of Leicester's pharmacies (as of 31<sup>st</sup> March 2017) as shown in the map below (Figure 15). Note: the service was not renewed in a number of pharmacies and only 13 are currently carrying out minor ailment services (2017/18).

Provision of minor ailment services ranges from no provision (in City Centre, Evington, Eyres Monsell, Latimer, Mowmacre and Stocking Farm, Netherhall and Thurnby Lodge, New Parks, Rushey Mead, Saffron, West Knighton and Western Park). Low provision in Hamilton (0.7 pharmacies per 10,000 population) and high provision in Latimer South (4.2 pharmacies per 10,000 population).

Figure 15: Provision of minor ailment services in Pharmacies by MSOA

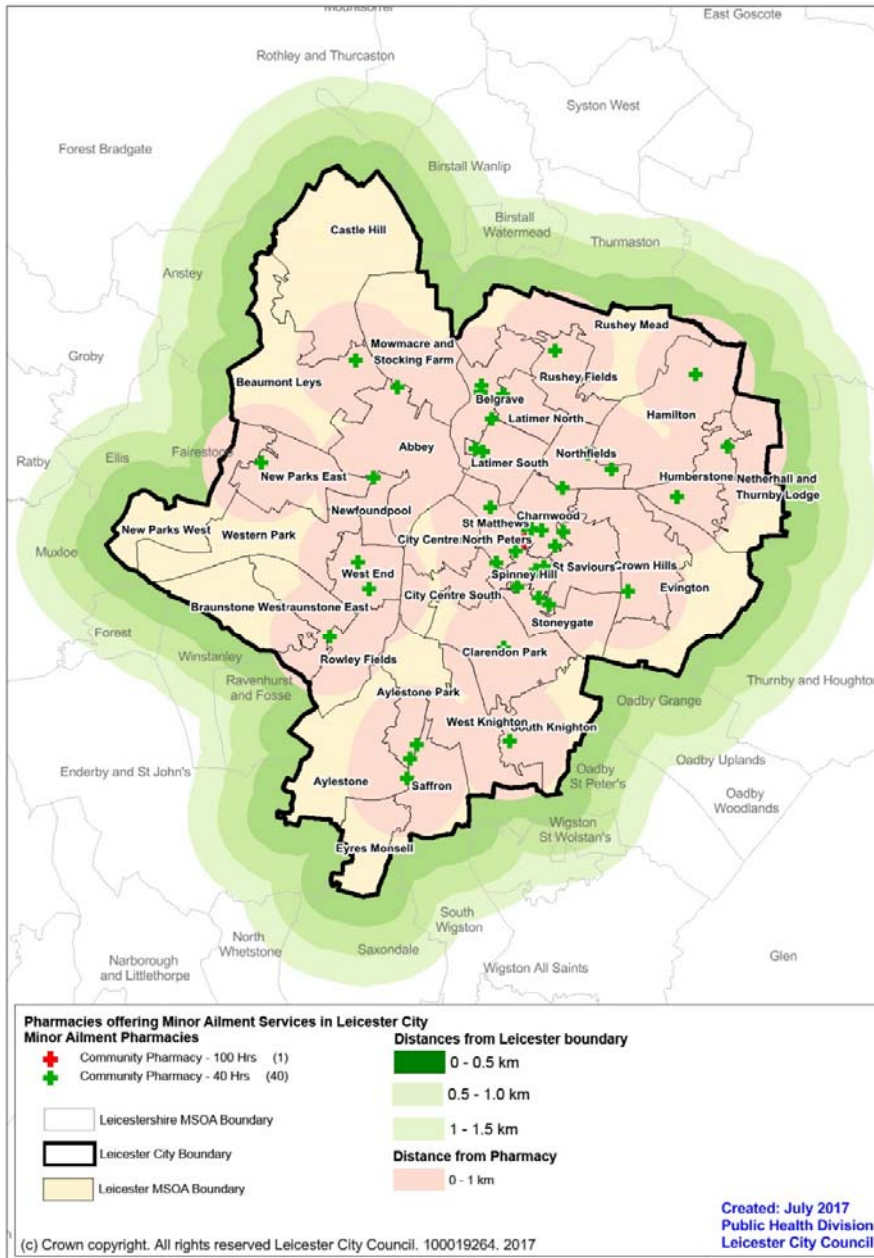


Table 13: Provision of minor ailment services in Pharmacies by MSOA

MSOA Name	Total No. of Pharmacies	Minor Ailment Services	Population 2015	Pharmacies providing Minor Ailment Services per 10,000 population
Braunstone East	0	0	8,294	0.0
Braunstone West	1	0	7,041	0.0
Castle Hill	1	0	6,391	0.0
City Centre North	3	0	8,102	0.0
City Centre South & Southfields	1	0	11,192	0.0
Evington	2	0	8,075	0.0
Eyres Monsell	2	0	8,258	0.0
Latimer North	1	0	8,390	0.0
Mowmacre and Stocking Farm	1	0	11,162	0.0
Netherhall and Thurnby Lodge	1	0	9,416	0.0
New Parks West	0	0	8,259	0.0
Rushey Mead	2	0	7,868	0.0
Saffron	1	0	7,696	0.0
West Knighton	2	0	8,075	0.0
Western Park	0	0	7,392	0.0
Hamilton	2	1	14,018	0.7
Clarendon Park	5	1	11,747	0.9
Crown Hills	2	1	10,786	0.9
St Saviours	3	1	10,193	1.0
Beaumont Leys	2	1	10,122	1.0
Abbey	1	1	10,096	1.0
Aylestone	2	1	8,044	1.2
Newfoundpool	2	1	7,944	1.3
New Parks East	1	1	7,936	1.3
Rowley Fields	1	1	7,551	1.3
South Knighton	1	1	7,330	1.4
West End	9	2	13,752	1.5
Rushey Fields	1	1	6,664	1.5
Charnwood	5	3	14,068	2.1
Stoneygate	4	3	12,989	2.3
Humberstone	2	2	7,868	2.5
Spinney Hill	4	3	11,179	2.7
Aylestone Park	2	2	6,446	3.1
St Matthews and St Peters	4	4	11,838	3.4
Belgrave	6	3	8,838	3.4
Northfields	4	3	8,064	3.7
Latimer South	5	4	9,543	4.2
<b>Leicester City</b>	<b>86</b>	<b>41</b>	<b>342,627</b>	<b>1.2</b>

Data: NHS England

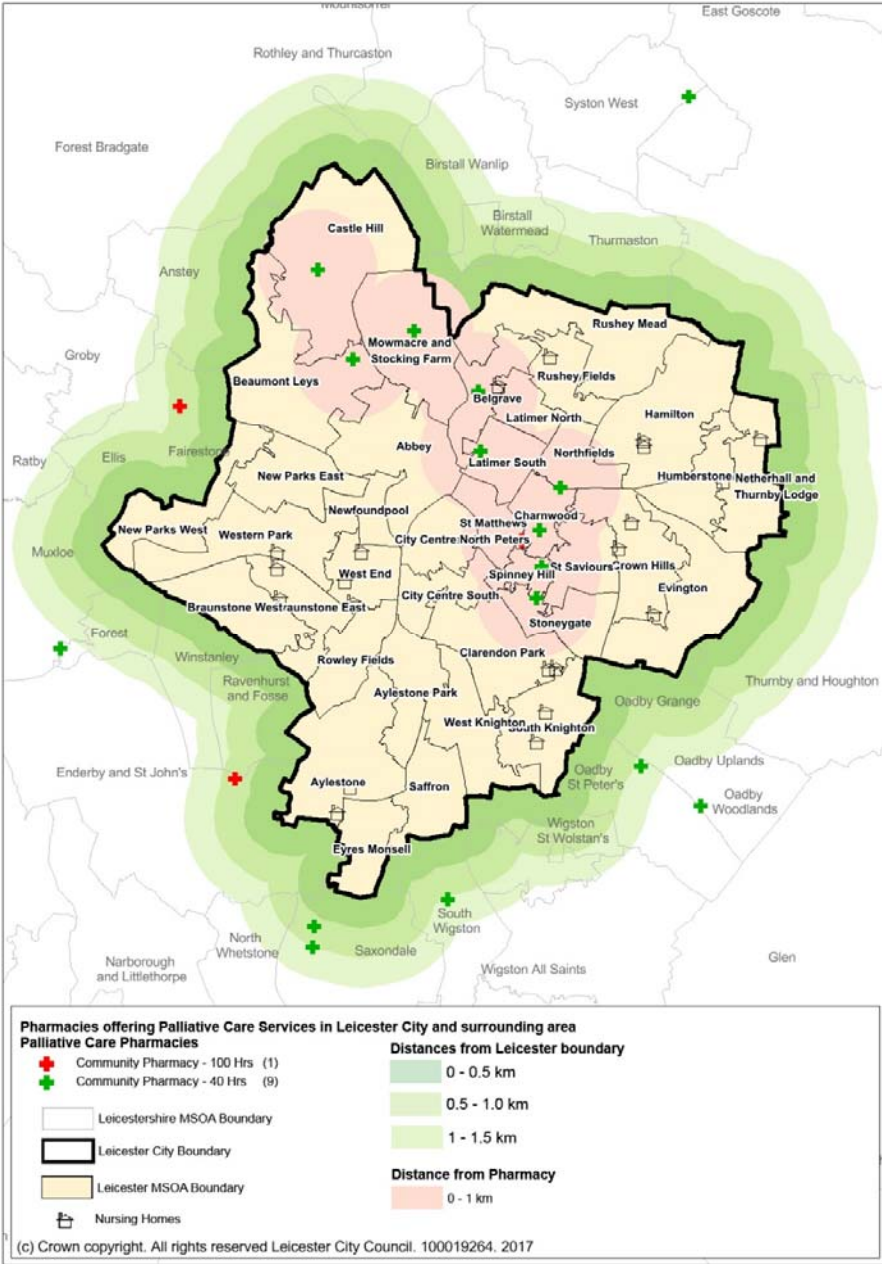
### 7.3.4 Palliative Care

The demand for palliative care drugs can be urgent and/or unpredictable. Although all pharmacies can be expected to meet the needs of their population with regard to routine supply of palliative care drugs, in some cases treatment needs to be accessed

quickly and from a wider range of drugs than may be routinely stocked. A number of the drugs used in palliative care are rarely used in other circumstances and are therefore often not widely available in community pharmacies. The palliative care service ensures there is appropriate access to a range of palliative care drugs in accessible locations particularly in the out of hours period, and when treatment is needed urgently.

Selected pharmacies hold a stock of an agreed range of drugs used in palliative care. The pharmacist will provide information and advice to the user, carer and clinician. They may also refer to specialist centres, support groups or other health and social care professionals where appropriate.

Figure 16: Pharmacies accredited for Palliative Care Services



### 7.3.5 Smoking Cessation Services:

The Smoking Cessation service is one in which pharmacies provide one-to-one support and advice to people who want to give up smoking. The service aims to:

- Improve access to and choice of stop smoking services, including access to pharmacological and non-pharmacological stop smoking aids.
- Reduce smoking related illnesses and deaths by helping people to give up smoking.
- Improve the health of the population by reducing exposure to passive smoke.
- Help service users access additional treatment by offering referral to specialist services where appropriate.

The smoking cessation service is an in-house City Council service; the council holds the contracts with the pharmacies.

Smoking Cessation Services were offered at 38 pharmacies in Leicester. The pharmacies offer behavioural support for up to 12 weeks and nicotine replacement therapy, recharged to the Smoking Cessation Service, to help people wanting to give up. Note that as of April 1<sup>st</sup> 2017, the number of pharmacies reduced to 17 (based on areas where there was over provision and low uptake of the service).

The map shows the pharmacies in and around Leicester offering Smoking Cessation Services and the estimated levels of smoking prevalence from the Leicester Lifestyle Survey of 2015.

Smoking prevalence is known to be lower now than in 2015, and MSOA estimates will be variable, however they will give an idea of areas with higher and lower levels of smoking. Generally, smoking levels are higher in the west of the city and lower in the east of the city, particularly where there are more South Asian communities.

The table below shows the uptake of pharmacy Smoking Cessation services in 2016/17. The highest numbers setting a quit date for smoking through their pharmacy were in Eyres Monsell, West End and Beaumont Leys. Whilst these areas show higher levels of smoking than nationally, they are not the highest. New Parks has the highest levels of smoking and relatively low numbers setting a quit date.

Figure 17: Pharmacies accredited for Smoking Cessation Services in and around Leicester

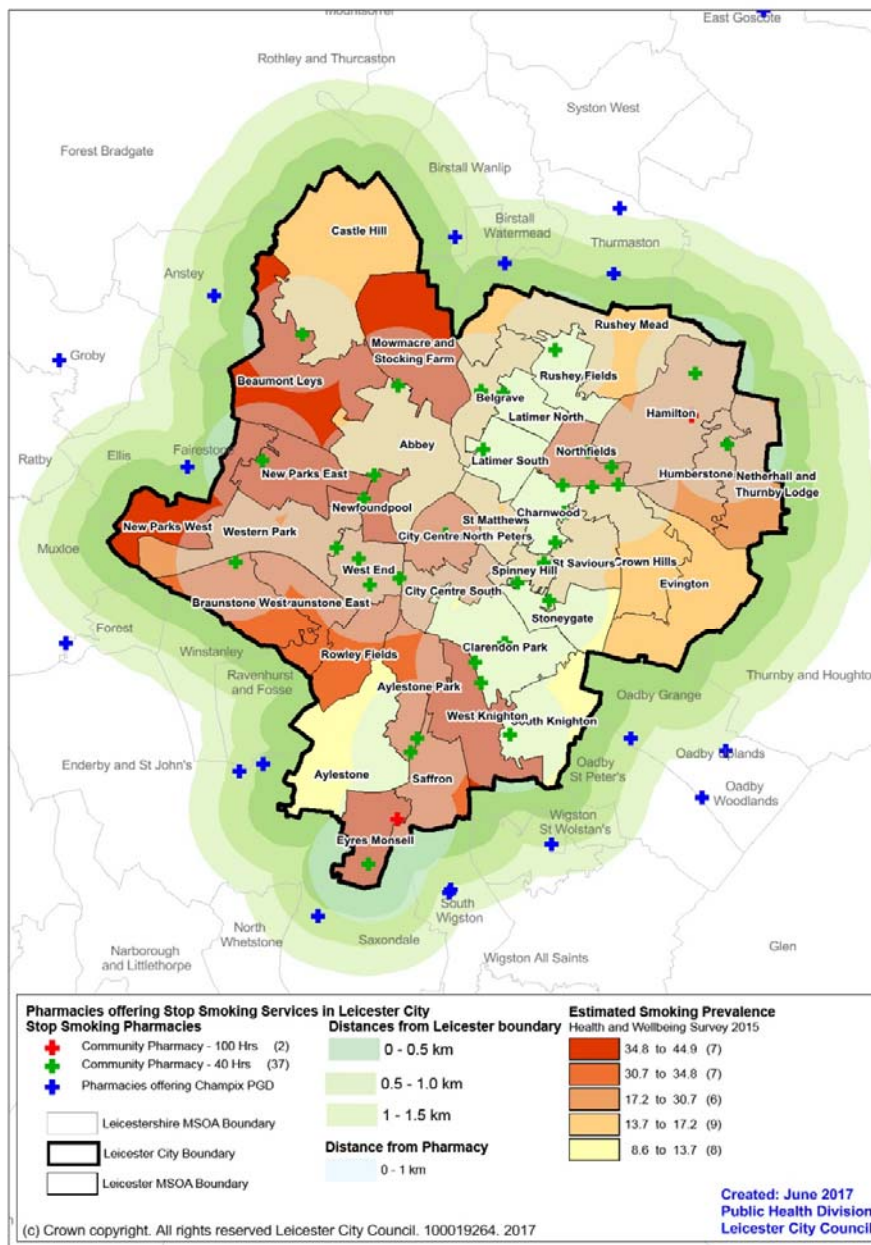




Table 14: Estimated smoking prevalence and uptake of pharmacy Smoking Cessation service in 2016

MSOA Name	Pharmacies with Stop Smoking Services	Estimated Smoking Prevalence 2015	Number setting a quit date	Number of 4 week quitters	% of successful quitters	18+ Population 2015	Estimated smokers	Pharmacies providing stop smoking services per 1,000 smoking population
Abbey	1	17.0%	32	13	41%	8070	1369	0.7
Aylestone	0	12.6%	0	0	0%	6344	801	0.0
Aylestone Park	2	34.5%	56	12	21%	5048	1743	1.1
Beaumont Leys	1	36.6%	60	23	38%	7150	2615	0.4
Belgrave	2	17.2%	11	6	55%	6942	1191	1.7
Braunstone East	0	31.0%	0	0	0%	6144	1905	0.0
Braunstone West	1	32.0%	19	11	58%	4618	1477	0.7
Castle Hill	0	14.2%	0	0	0%	4784	682	0.0
Charnwood	2	11.2%	56	44	79%	9844	1107	1.8
City Centre North	1	30.8%	47	17	36%	7627	2351	0.4
City Centre South & Southfields	0	20.8%	0	0	0%	10351	2155	0.0
Clarendon Park	4	12.9%	30	16	53%	10222	1317	3.0
Crown Hills	1	13.7%	15	5	33%	7867	1078	0.9
Evington	0	14.5%	0	0	0%	6470	941	0.0
Eyres Monsell	3	35.0%	154	67	44%	6059	2119	1.4
Hamilton	2	19.1%	6	2	33%	10065	1924	1.0
Humberstone	1	19.9%	14	2	14%	5939	1184	0.8
Latimer North	0	13.5%	0	0	0%	6442	871	0.0
Latimer South	1	8.7%	17	5	29%	7517	652	1.5
Mowmacre and Stocking Farm	0	35.5%	0	0	0%	7984	2838	0.0
Netherhall and Thurnby Lodge	0	29.2%	0	0	0%	6989	2038	0.0
New Parks East	1	44.8%	52	19	37%	5472	2453	0.4
New Parks West	0	43.3%	0	0	0%	5722	2479	0.0
Newfoundpool	2	34.8%	52	32	62%	5906	2057	1.0
Northfields	4	30.7%	35	18	51%	5587	1717	2.3
Rowley Fields	0	33.1%	0	0	0%	6250	2071	0.0
Rushey Fields	1	12.5%	4	1	25%	5170	647	1.5
Rushey Mead	0	15.9%	0	0	0%	6200	986	0.0
Saffron	0	31.4%	0	0	0%	5256	1651	0.0
South Knighton	1	9.6%	6	4	67%	5736	552	1.8
Spinney Hill	1	14.7%	3	3	100%	7868	1160	0.9
St Matthews and St Peters	0	16.6%	0	0	0%	8018	1330	0.0
St Saviours	0	15.2%	0	0	0%	7288	1107	0.0
Stoneygate	2	9.4%	36	22	61%	9651	904	2.2
West End	4	21.9%	61	24	39%	11816	2591	1.5
West Knighton	0	34.9%	0	0	0%	6511	2273	0.0
Western Park	0	18.5%	0	0	0%	5836	1078	0.0
<b>Leicester City</b>	<b>38</b>	<b>21.3%</b>	<b>766</b>	<b>346</b>	<b>45%</b>	<b>260763</b>	<b>55434</b>	<b>0.7</b>

Data: Smoking Cessation service, Leicester Lifestyle Survey 2015, ONS population estimates

Note: Estimated number of smokers is based on the Lifestyle Survey 2015 smoking prevalence. Nationally smoking prevalence has reduced over the past few years.

### 7.3.6 Substance Misuse: Needle Exchange and Supervised Methadone Consumption

There are two services commissioned for the management of substance misuse; needle exchange and supervised consumption.

Pharmacy needle exchanges aim to reduce the rate of sharing and other high-risk injecting behaviours by providing sterile injecting equipment and other support, as well as ensuring

the safe disposal of used injecting equipment. Pharmacy needle exchange facilities are available to all adult injectors who are using drugs illicitly.

Supervised consumption services are for drug users and aim to ensure compliance with the agreed treatment plan by;

- Dispensing prescribed medication in specified instalments
- Ensuring each supervised dose is correctly administered to the patient for whom it was intended (doses may be dispensed for the patient to take away to cover days when the pharmacy is closed)
- Liaising with the prescriber, named key worker and others directly involved in the care of the patient (where the patient has given written permission)
- Monitoring the patient's response to prescribed treatment; for example if there are signs of overdose, especially at times when doses are changed, during titration of doses, if the patient appears intoxicated or when the patient has missed doses. The pharmacist may if necessary withhold treatment if this is in the interest of patient safety, liaising with the prescriber or named key worker as appropriate
- Improving retention in drug treatment
- To reduce the risk to local communities of:
  - Overuse or underuse of medicines
  - Diversion of prescribed medicines onto the illicit drugs market
  - Accidental exposure to the dispensed medicines

Needle exchange services are offered at 10 pharmacies across the city and supervised consumption services at 41, as seen in the map below (figure 18).

Figure 18: Pharmacies accredited for Needle exchange and supervised consumption services in and around Leicester

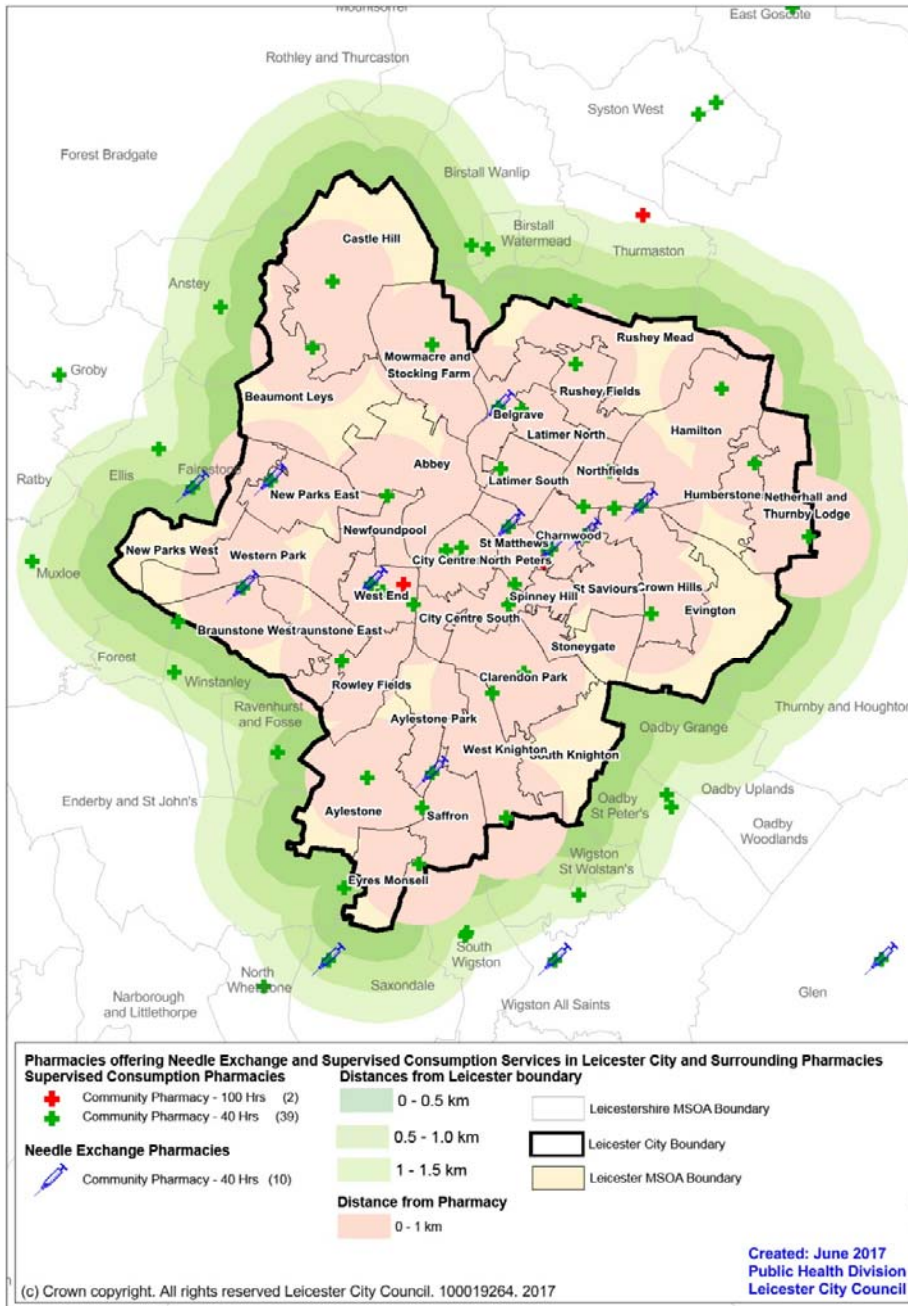


Table 15 below shows the uptake of needle exchange service by individuals during June 2016-May 2017<sup>16</sup>. Please note there may be fewer individuals than shown as individuals are counted on the basis of their initials and a reference code provided to the pharmacy – however the same individual may provide a different set of initials/references on another visit.

Overall, there were over 5,000 transactions for an estimated 1,500 individuals using needle exchange service in pharmacies in 2016/17. The highest uptake of the service is in the West End, with over 500 individuals using the service during the 12 month period. The lowest uptake is in New Parks East.

*Table 15: Needle exchange service uptake by MSOA (June 2016 – May 2017)*

MSOA	Number of		
	Pharmacies	Transactions	Clients
Beaumont Leys	1	905	247
Belgrave	1	777	201
Braunstone West	1	455	98
New Parks East	1	193	56
Northfields	1	127	65
Rushey Mead	1	322	164
St Matthews and St Peters	1	228	110
West End	1	2187	529
<b>Grand Total</b>	<b>8</b>	<b>5194</b>	<b>1470</b>

*Data: Turning Point*

#### **7.4 Comparison between pharmacy services 2014 and 2017**

The table below shows a comparison between the number of pharmacies offering advanced and community based services in 2014 and 2017. In the main, there are fewer pharmacies offering community based services in 2017. Chlamydia screening service has been decommissioned in pharmacies; and EHC and Smoking cessation services are no longer provided in pharmacies where there was low uptake.

<sup>16</sup> The period shows a full year from the start of Turning Point's contract for this service in June 2017

Table 16: Services offered by pharmacies in 2014, 2017

	March 2014	March 2017
<b>Pharmacy types</b>		
100 hour	8	8
Community	72	72
Internet /distance selling	5	5
Local Pharmaceutical Services	1	1
<b>Opening hours per week</b>	<b>4624</b>	<b>4670</b>
<b>Services offered</b>		
Medicines Use Reviews	75	76
New Medicines Service	65	61
Appliance Use Reviews	10	0
Stoma Appliance Customisation	7	9
Flu vaccinations	0	45
Chlamydia Screening	38	0
EHC	55	24
H-Pylori	36	22
Minor Ailments	44	41
Palliative Care	11	10
Needle exchange	12	10
Stop Smoking	50	39
Supervised consumption	49	41

Data: NHS England

## 7.5 The wider role of community pharmacies: non-contracted services

In addition to the above essential, advanced and community based contracts, all of which are commissioned by the NHS or the local authority, pharmacies also provide other significant services directly to their customers on their own account. These services are not commissioned by the CCG or Local Authority and instead are a direct arrangement between the pharmacy and patients. These can be viewed as adding to the convenience, compliance and safety of medicine collection and use. Charges may apply. Some pharmacies also provide blood pressure measurement and near-patient testing<sup>17</sup>.

### 7.5.1 Collection and delivery service

This is an agreement between the pharmacy and the patient where the pharmacy collects the patient's prescription from the GP practice, dispenses these and delivers them to the patient's home.

All pharmacies except four provide a free service whereby they collect prescriptions from a patient's GP practice, dispense these and have the prescribed medicine ready for collection by the patient from the pharmacy. The four pharmacies not providing a collection service include three distance selling pharmacies. Several pharmacies only

<sup>17</sup> Near patient testing is defined as any investigation carried out in a clinical setting or the patient's home for which the result is available without reference to a laboratory and perhaps rapidly enough to affect immediate patient management.

provide a delivery service to homes of elderly or infirm patients.

### **7.5.2 Monitored dosage systems (MDS)**

This is the supply of medicines in a container which provides a separate compartment for each dosage time of the day, generally in a dosette box. It is useful for patients who find it difficult to remember to take them at the correct time each day, have a large number of medications to take each day, find it difficult to remove medication from its packaging or who have a carer who helps to ensure that medicines are taken correctly. MDS may not be helpful for patients in all circumstances and careful assessment is required<sup>18</sup>. It is however a valued service for patients which all pharmacies except four provide. All pharmacies except one provide the monitored dosage system free of charge.

### **7.5.3 C-Card Service**

Some pharmacies provide a free and confidential sexual health service available to young people aged under 25 years. It is a plastic registration card that enables quick and easy access to free condoms. The service also offers information and advice about sexual health and relationships. The C-card scheme is available across the city, in GP/Health Centres, through the Youth Service and a number of pharmacies. In Leicester, 11 pharmacies are signed up to deliver the scheme, and the majority of these are fairly centrally located in the city. Training and condoms are supplied to participating community pharmacies by Leicester, Leicestershire and Rutland Sexual Health Service.

### **7.5.4 Extended-spectrum beta-lactamase (ESBL) stock-holding**

ESBL are enzymes produced in some bacteria which are more resistance to antibiotics like penicillin and make infections harder to treat. For example E.coli are one of the most common bacteria causing urinary tract infections. ESBL-producing strains of E.coli are more resistant to antibiotics and can sometimes progress to cause more serious infections such as blood poisoning.

There are still a few antibiotics that can be used to treat infections cause by ESBL-producing bacteria, and these are stocked in 12 pharmacies in Leicester City.

### **7.5.5 Fluenz childhood immunisation service**

Leicestershire Partnership Trust (LPT) provide a school aged immunisation service offering a variety of vaccines including Fluenz/Flumist nasal spray. Fluenz/Flumist is offered to all children in school years 1-6 across Leicester, Leicestershire and Rutland. To maximise the uptake, every school is visited once according to a schedule. Children who are home-schooled are visited in their home to offer the vaccination. There are

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<sup>18</sup> Improving patient outcomes. The better use of multi-compartment compliance aids July 2013, Royal Pharmaceutical Society <http://www.rpharms.com/unsecure-support-resources/improving-patient-outcomes-through-the-better-use-of-mcas.as>

occasions where children whose parents have consented are not able to have the vaccine on the day of the school visit. The most common reasons are temporary exclusions (eg severely blocked nose, fever and wheeze) or the patient is off school on the day of the visit.

In 2015/16, a pilot took place where the Fluenz/Flumist vaccine was administered via community pharmacy for those who missed their opportunity in school. The aims of the service were to:

- Prevent transmission and reduce complications of the 'flu within the community'
- Maximise uptake of Fluenz/Flumist
- Provide patient and parents with another opportunity to receive the Fluenz/Flumist
- Provide a service that is accessible, convenient, professional and friendly

The service was successfully delivered in 2015/16 and recommissioned in 2016/17 by Leicestershire Partnership Trust. Four pharmacies in Leicester provide the Fluenz/Flumist spray.

### 7.5.6 Conclusion

This section has described the elements of the Community Pharmacy Contractual Framework and provided information on the essential, advanced and community based services required or offered for delivery by community pharmacies.

Essential services are required as part of the NHS community pharmacy contractual framework and must be provided by community pharmacies working to this contract. The advanced services are defined in the NHS community pharmacy contractual framework, but pharmacies can choose to provide any of these services following appropriate training and or accreditation. Both types of services are overseen by NHS England.

The advanced services Medicines Use Reviews and New Medicines Services are provided by the majority of pharmacies. Few pharmacies offer Stoma Appliance Customisation and no pharmacies offer Appliance Use Reviews.

Community based services have a more variable uptake by pharmacies and therefore the availability of these services varies across Leicester. More services are offered in the West End (29 services in addition to MURs and NMSs) whereas far fewer services are offered in Braunstone East, New Parks West, Western Park and Evington.

A number of factors influence the extent to which services are taken up for delivery by pharmacies. These include the need and availability of additional training required for staff, the assessment of the likely extent of take up of services by customers, practicalities such as the availability of facilities, referrals from GPs where these are necessary, and whether the payment provided by the commissioner is sufficient to cover costs.

Take up can also be inhibited by consumer behaviour. For example, 75% of the take up

of emergency hormonal contraception is in busy, more central pharmacies reflecting a likely preference by young women for a degree of anonymity less likely to be available in neighbourhood pharmacy locations closer to home.

The community based contract services provided are not necessarily the same in Leicester as in adjacent areas of the County. Some services are available from County pharmacies and not from Leicester pharmacies, and vice versa. For example the County have Alcohol Brief Interventions not available in Leicester, but do not offer Minor Ailments service, which is available in Leicester.

Pharmacies also provide from their own resources other significant free services directly to their patients. These are not commissioned by NHS England, Leicester City CCG or the Local Authority and instead are a direct arrangement between the pharmacy and patients. These services include the collection of prescriptions, and in most pharmacies the delivery of medicines, and the mainly free availability of monitored dosage systems. Both services are viewed as adding to the convenience, compliance and safety of medicine collection and use. Some pharmacies also provide blood pressure measurement and near-patient testing. Some provide educational sessions on self-care and making use of health services.



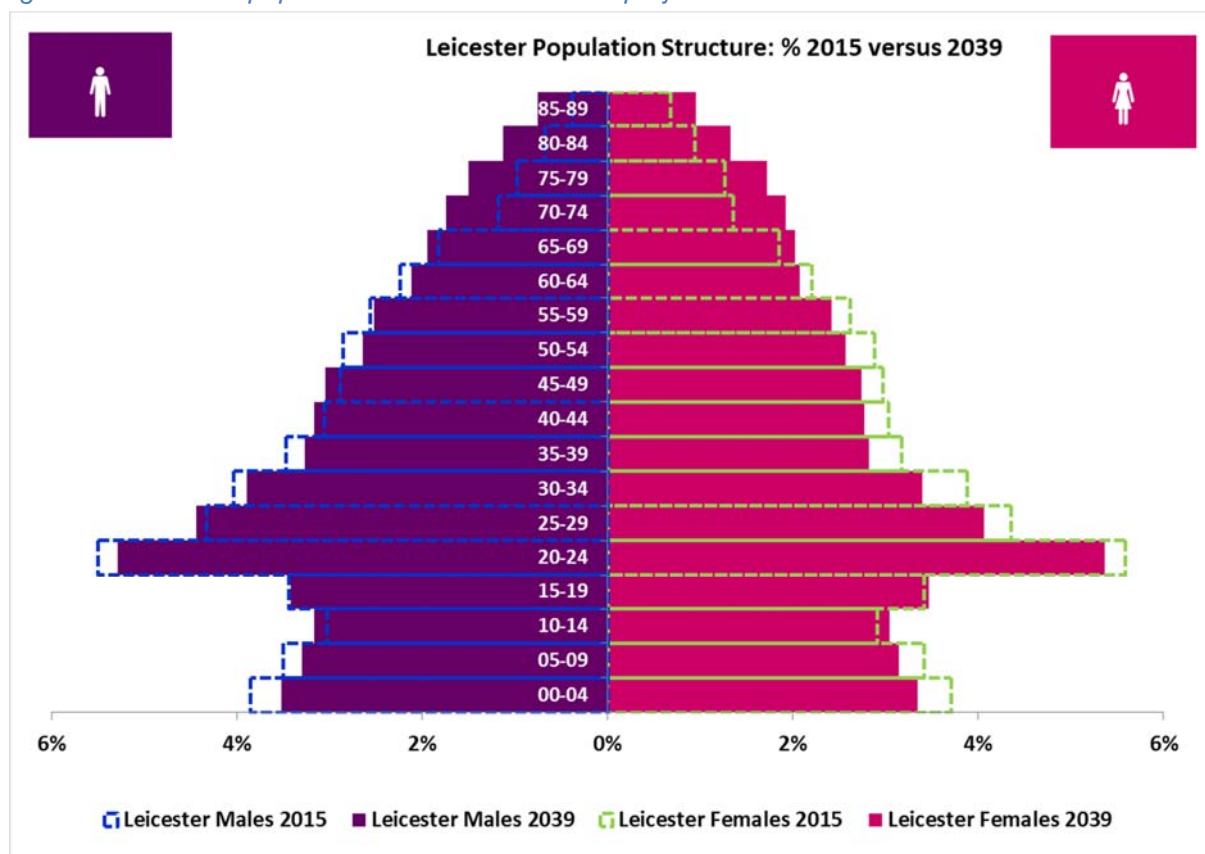
## 8.0 Projected future needs

### 8.1 Population growth

By 2039, the population of Leicester is predicted to grow by around 63,900 to give a total population of 406,200. Projections indicate Leicester will have an increase of 25,300 in the numbers aged 65 and over, which represents an increase in the proportion of the population aged 65 and over from 12% to 16% in 2039. Numbers are estimated to fall in 0 to 9 year olds and 20 to 64 year olds.

With the current provision of 86 pharmacies, this would offer a rate of 2.1 pharmacies per 10,000 population. The current rate in Leicester is 2.5, and nationally 2.1 per 10,000 population based on numbers of pharmacies alone; it does not take into account variation in opening hours and services provided.

Figure 19: Leicester population structure 2015 with projections for 2039



Source: ONS Population Projections - 2014

### 8.2 Growth in number of people with long term conditions

With these projected increases of over 20,000 in the older population, there will be increases in the numbers with long term health conditions. The table below shows the increases in numbers aged 65 and over, based on the current prevalence of these conditions<sup>19</sup>.

<sup>19</sup> Projecting Older People Population Information system (POPPI, 2017). <http://www.poppi.org.uk/>

Table 17: Estimates of numbers of over 65 year olds in Leicester with longstanding health conditions, 2017-2035

Long term health condition	% of over 65s	2017	2020	2025	2030	2035
Moderate or severe hearing impairment	42%	17,486	18,434	21,131	24,233	27,678
Limiting long term illness whose day-to-day activities are limited a lot	30%	12,325	13,130	14,877	16,898	18,916
Fall	27%	11,126	11,841	13,324	15,139	16,950
Limiting long term illness whose day-to-day activities are limited a little	27%	11,119	11,904	13,418	15,169	16,603
BMI of 30 or more	26%	10,927	11,663	13,143	14,644	15,763
Unable to manage at least one activity on their own	18%	7,685	8,137	9,149	10,451	11,998
Bladder problem at least once a week	16%	6,833	7,255	8,224	9,310	10,368
Diabetes	12%	5,202	5,549	6,280	7,059	7,708
Moderate or severe visual impairment	9%	3,621	3,843	4,374	5,005	5,606
Depression	9%	3,604	3,830	4,319	4,862	5,327
Dementia	7%	2,951	3,086	3,503	4,094	4,818
Longstanding health condition caused by a heart attack	5%	2,042	2,177	2,464	2,780	3,058
Bladder problem less than once a week	3%	1,335	1,427	1,608	1,830	2,046
Severe depression	3%	1,139	1,209	1,374	1,556	1,729
Longstanding health condition caused by a stroke	2%	957	1,022	1,167	1,325	1,465
Hospital admission as a result of falls	2%	853	900	1,034	1,199	1,371
Longstanding health condition caused by bronchitis and emphysema	2%	704	752	852	960	1,051
Profound hearing impairment	1%	475	502	565	638	752
Total population 65 and over		41,700	44,700	50,300	56,700	62,100

Data: Projecting Older People Population Information System (POPPI, 2017)

### 8.3 Growth in housing

The Housing and Economic Development Needs Assessment for Leicester, Leicestershire and Rutland published in January 2017<sup>20</sup> predicts that Leicester will need around 1,500 new dwellings per year to accommodate growth in population to 2036.

Housing completions by MSOAs in Leicester are shown in the table below. The highest number of dwellings are planned in Abbey, City Centre and Beaumont Leys. Whilst the rate of pharmacies per 10,000 population is higher than average in the centre of Leicester, the rate in Abbey and several other areas with planned housing growth already have lower provision of pharmacy services per 10,000 population.

<sup>20</sup> The Housing and Economic Development Needs Assessment for Leicester, Leicestershire and Rutland <https://www.llep.org.uk/strategies-and-plans/housing-economic-development-needs-assessment/>

Table 18: New dwellings planned by MSOA, 2017/18 to 2030/31

MSOA Name	Housing growth 2017/18 to 2030/31		Current pharmacy provision	
	Number of dwellings	Average per year	Number of pharmacies	Rate per 10,000 in 2015
Abbey	3960	283	1	1.0
Castle Hill	2300	164	1	1.6
City Centre North	2319	166	3	3.7
Belgrave	1137	81	6	6.8
City Centre South & Southfields	978	70	1	0.9
Beaumont Leys	793	57	2	2.0
Aylestone	550	39	2	2.5
Netherhall and Thurnby Lodge	389	28	1	1.1
Rowley Fields	307	22	1	1.3
Clarendon Park	451	32	5	4.3
Aylestone Park	237	17	2	3.1
West Knighton	254	18	2	2.5
Latimer North	263	19	1	1.2
Newfoundpool	229	16	2	2.5
St Saviours	256	18	3	2.9
Rushey Mead	176	13	2	2.5
Hamilton	267	19	2	1.4
West End	255	18	9	6.5
Mowmacre and Stocking Farm	138	10	1	0.9
Northfields	94	7	4	5.0
Braunstone East	82	6	0	0.0
South Knighton	60	4	1	1.4
Rushey Fields	51	4	1	1.5
Latimer South	50	4	5	5.2
Eyres Monsell	33	2	2	2.4
Spinney Hill	44	3	4	3.6
Chamwood	50	4	5	3.6
Crown Hills	27	2	2	1.9
Braunstone West	15	1	1	1.4
Western Park	14	1	0	0.0
Evington	0	0	2	2.5
Humberstone	0	0	2	2.5
New Parks East	0	0	1	1.3
New Parks West	0	0	0	0.0
Saffron	0	0	1	1.3
St Matthews and St Peters	0	0	4	3.4
Stoneygate	0	0	4	3.1
<b>Leicester</b>	<b>15779</b>	<b>1127</b>	<b>86</b>	<b>460.5</b>

Data: Leicester City Council, Planning, Development and Transportation

## 9.0 Follow-up to the 2015 Pharmaceutical Needs Assessment

### 9.1 Use made of the PNA by NHS England

As indicated in section 2.1 of this assessment the PNA is part of the NHS “market entry” or “control of entry” system for community pharmacies. If a pharmacist, dispenser of appliances or a GP wants to provide NHS pharmaceutical services, they are, under the NHS (Pharmaceutical Services and Local Pharmaceutical Services) regulations required to apply to NHS England to be included on a pharmaceutical list. They must prove they are able to meet a pharmaceutical need as set out in the PNA.

The “market entry” or “control of entry” describes the system whereby NHS England assesses an application that offers to:

- meet an identified current or future need or needs;
- meet identified current or future improvements or better access to pharmaceutical services; or
- provide unforeseen benefits, i.e. applications that offer to meet a need that is not identified in a PNA but which NHS England is satisfied would lead to significant benefits to people living in the relevant HWB area.

A pharmacist, dispenser of appliances or a GP who wants to provide NHS pharmaceutical services, can reference the PNA in their application to demonstrate pharmaceutical need. NHS England can reference the PNA in decision making for assessing pharmaceutical need laid out in the applications that it receives. ..

Since the last PNA in 2015 and up to the end of March 2017 there have been 13 applications relating to pharmacies whose location is or, if the application was approved, would be in Leicester. These are summarised below.

*Table 19: Pharmacy applications: April 2015 – March 2017*

Application regarding	Number of applications	Successful	Unsuccessful
Change of ownership	8	8	
Outline consent / premises approval	1	1	
Change to core opening hours			
Suspension of services			
Mergers (consolidation)			
Unforeseen benefits	2	0	2
Distance selling	2	1	1

In general terms only, applications regarding change of ownership do not necessarily imply a change of pharmaceutical service provision, similarly a relocation. Other reasons might do so or not, and in general the concern is with whether a gap is created in pharmaceutical service provision or an application for a new pharmacy would meet a genuine shortfall in community pharmacy provision in Leicester. Applicants may claim that their application is based on benefits unforeseen in the PNA. Two of the unsuccessful applications in Table 19 are in relation to “unforeseen

benefits". Brief reasons for these rejections provided by NHS England were "due to lack of innovation", and in relation to a claim that there was "no provision for protected characteristics" there was "already sufficient provision and no evidence of gaps in service". Feedback from NHS England indicates that they have made reference to the PNA 2015 mostly in the "unforeseen benefits" applications.

## **9.2 Applications for mergers of community pharmacies**

As indicated in the section 3.1.2 on "Community pharmacy in 2016 and beyond" that "changes would be made to the market entry (control of access) regulations aimed at facilitating the consolidation of pharmacies by, for example, preventing a new pharmacy stepping in straight away if a chain closes a branch or two pharmacy businesses merge and one closes."

These changes have been issued in "Regulation 26A Consolidations". This lays out the key requirements for a consolidation between pharmacies and also the statutory protections which discourage or prevent subsequent applications for a pharmacy seeking to replace the closing pharmacy in a merger.

These statutory protections have implications for the Health and Wellbeing Board, though NHS England has issued no information regarding these to Health and Wellbeing Boards (as at 10<sup>th</sup> August 2017). The four protections are presented in table 20 below.

The Pharmaceutical Services Negotiating Committee Briefing on Regulation 26A Consolidations (June 2017) observes (p6) that "any new (revised) PNA might usefully record where consolidations have taken place and no gap was created, to ensure this knowledge is not lost. This should avoid future unsuccessful applications based on the closing pharmacy where there remains no gap in the provision of services."

## **9.3 Further information regarding regulations**

The above comments regarding regulations and their interpretation are intended as a general explanation for people who are not specialists in this area. These should not be relied upon as a basis for, or a challenge to, an application to NHS England. NHS England makes available detailed information in its Pharmacy Manual (322 pages) available at <https://www.england.nhs.uk/commissioning/wp-content/uploads/sites/12/2016/04/pharmacy-manual-apr16.pdf> (accessed 10 August 2017). The Department of Health, NHS pharmaceutical services: assessing applications, guidance is available at <https://www.gov.uk/government/publications/nhs-pharmaceutical-services-assessing-applications> (accessed 10 August 2017)

The PSNC also provides detailed guidance on pharmacy matters <http://psnc.org.uk/> (accessed 10 August 2017).

Table 20: Statutory protection for a consolidated pharmacy

<b>Statutory protection such applications offer from subsequent applications that seek to replace the closing pharmacy</b>
<p>There are four main statutory protections for a consolidated pharmacy – a quadruple lock – to discourage or prevent subsequent applications for a pharmacy seeking to replace a closing pharmacy. These statutory protections are not absolute because the mechanisms within the 2013 Regulations are designed to respond to changing local circumstances to ensure the appropriate provision of pharmaceutical services.</p>
<p><b>1. The Health and Wellbeing Board (HWB) considers that the application, if granted, would create a gap in pharmaceutical services</b></p> <p>An HWB notified of a Regulation 26A consolidation application must make representations in writing to NHS England indicating whether, if the application were granted, the proposed closure of the pharmacy and its removal from the pharmaceutical list would or would not create a gap in pharmaceutical services that could be met by a routine application to meet a current or future need or to secure improvements, or better access, to pharmaceutical services (paragraph 19(5) of schedule 2 of the 2013 Regulations).</p> <p>This ensures that an application granted by NHS England should not subsequently be deemed by the HWB to create a gap in the provision of pharmaceutical services.</p>
<p><b>2. NHS England must refuse an application if it would create a gap in pharmaceutical services</b></p> <p>NHS England must refuse a Regulation 26A consolidation application if it would create a gap in pharmaceutical services (regulation 26A(5)(a)). In reaching its decision, NHS England will have to take into account the opinion of the HWB. This means that NHS England may grant a Regulation 26A consolidation only where it does not create a gap in the provision of pharmaceutical services.</p>
<p><b>3. The HWB must publish a supplementary statement if the closure does not create a gap in pharmaceutical services</b></p> <p>The HWB must publish a supplementary statement explaining that the removal of a pharmacy from the pharmaceutical list, following the Regulation 26A consolidation, ‘does not create a gap in pharmaceutical services provision’ that could be met by a routine application to meet a current or future need or to secure improvements, or better access, to pharmaceutical services...’ (regulation 6(4) of the 2013 Regulations). It is likely that the HWB will be confirming its earlier opinion.</p> <p>This makes public that no gap has been created by the consolidation and should avoid future unsuccessful applications to replace the closing pharmacy.</p>

<p><b>4. Unforeseen benefits applications will be refused if based on an alleged gap in pharmaceutical services created by a Regulation 26A consolidation</b></p> <p>NHS England must refuse an application for unforeseen benefits if it is satisfied that the application ‘presupposes that a gap in pharmaceutical services provision has been or is to be created by’ the closing pharmacy (its removal from the pharmaceutical list) as a result of a Regulation 26A consolidation. Crucially, this statutory protection only applies until the PNA is revised. (Regulation 18(2)(g) and Regulation 19(5)).</p> <p>This ensures that any future unforeseen benefits application during the relevant PNA will fail, if it is based on the argument that a Regulation 26A consolidation created a gap in the provision of pharmaceutical services.</p>
<p><b>Source: PSNC Briefing 036/17: Regulation 26A Consolidations (June 2017)</b>  <a href="http://psnc.org.uk/wp-content/uploads/2013/04/PSNC-Briefing-036.17-Regulation-26A-Consolidations.pdf">http://psnc.org.uk/wp-content/uploads/2013/04/PSNC-Briefing-036.17-Regulation-26A-Consolidations.pdf</a></p>

#### 9.4 Follow up to the 2015 Pharmaceutical Needs Assessment

This is the second Pharmaceutical Needs Assessment undertaken by the Leicester Health and Wellbeing Board. The first one was approved and issued in April 2015 and will be replaced by this current document once it is revised following consultation as required by the regulations.

*Table 21: Follow up to recommendations from PNA 2015*

1	<b>Equity of services</b>	
1a	Keep locations and opening times under review to assess whether access to pharmacies for essential services is equitable for all Leicester residents.	<p>The distribution of community pharmacies has been examined in this PNA and there has been little change from the situation reported in the 2015 PNA. NHS England (NHSE) has control of relocations where pharmacies are initiating the move. Due process must be followed. There are no powers to direct where pharmacies are located, except in relation to new entrants to the Leicester market as a whole.</p> <p>Regarding opening hours NHSE has control over pharmacies wishing to change their core hours and can approve or decline the request to change core opening hours. NHSE can direct pharmacies to open certain hours but must provide evidence of a need for those hours. Again due process must be followed. Concerns about locations/opening hours should be provided to NHSE.</p>
1b	Investigate why some pharmacies are providing fewer advanced and community based services than others and address the reasons for this wherever possible.	Community pharmacies are not obliged by contract to provide advanced or community based services funded and offered to them by local service commissioners. The Local Pharmaceutical Committee (LPC) and the appropriate service commissioners need to work together in increasing the number of Pharmacies accredited for advanced and

		community based services where these are appropriate in relation to need, cost effectiveness and commissioning intentions.
1c	Work with pharmacies and the Local Pharmaceutical Committee to examine how equity issues can be further addressed	<p>Discussions with the LPC have been undertaken regarding this and Healthy Living Pharmacies (HLP).</p> <p>The LPC have been supporting engagement, training and support and resources for community pharmacies to achieve HLP level 1 status as part of the <u>Quality Payments Scheme</u> (Appendix 1)</p> <p>The Royal Society of Public Health have started to publish a list of HLP accredited community pharmacies:  <a href="https://www.rsph.org.uk/our-services/registration-healthy-living-pharmacies-level1/register.html">https://www.rsph.org.uk/our-services/registration-healthy-living-pharmacies-level1/register.html</a></p>
1d	Pharmacy service provision should be kept under review where provision has cross-city and county-border use to ensure that issues of quality and uniformity of access to advanced and community based services are regularly considered.	Services available in City pharmacies and pharmacies located across the County border are provided in table10
2	<b>Promote optimal use of pharmacy services in promoting health and healthcare management</b>	
2a	Examine cost effective ways to promote healthier lifestyles through pharmacies so that individuals can gain advice and support in reducing unhealthy behaviours and adopting healthier ones.	<p>Discussions between LPC and Division of Public Health overtaken by national policy decisions. See p78 of this PNA and item 1c, above, re requirement for Pharmacies to offer Healthy Living Pharmacy at least at level 1.</p> <p>The LPC's have been working to ensure engagement and participation in the scheme.</p>
2b	Ensure that the promotion of healthy lifestyles (Public Health) requirement of the essential services contract is fulfilled (see section 5.4.1). While NHS England retains responsibility for this area of the pharmacy contract, local campaigns should in future be jointly defined by NHS England, Local Authority Public Health and Leicester City Clinical Commissioning Group	Programme of campaigns has been drawn up by NHSE Central Midland team and Public Health England on a larger geography (Central and East) and covering all the national campaigns and thus may not pick up on local priorities and issues. There is an increasing trend to define campaigns centrally/nationally from NHS England. NHSE will consult on the programme, but as it has based its priorities on the availability of free materials ( leaflets, posters and other materials) any different local campaigns undertaken will need to be resourced (that is, funded) locally.
2c	Consider the opportunity to include and develop the role of pharmacies in commissioning strategies and through the wider	The Local Authority, LC CCG and NHS England need to work together in how this can be implemented in local and national commissioning strategies.



	Better Care Together plans (now STP see page 11) - particularly in relation to providing services which deflect work out of primary care general practice e.g. minor ailments and emergency supply schemes.	<p>NHS Urgent Medicine (NUMSAS) is being commissioned as an Advanced Service by NHS England as a pilot to run from the 1st December 2016 to 31st March 2018 with a review point to consider progress in September 2017.</p> <p>This service manages a referral from NHS 111 to a community pharmacy where a patient has contacted NHS 111 because they need urgent access to a medicine or appliance that they have been previously prescribed on an NHS prescription. The service enables appropriate access to medicines or appliances Out-of-Hours (OOH) via community pharmacy, relieving pressure on urgent and emergency care services by shifting demand from GP OOH providers to community pharmacy. There must be an urgent need for the medicine or appliance.</p>
2d	Consider views from the public which have indicated that they would like to see pharmacies offer a number of services including flu vaccinations, holiday vaccinations, blood-pressure and cholesterol checks.	The Local Pharmaceutical Committee is aware of this element of the PNA. Flu vaccination is currently provided by community pharmacies, commissioned and funded by NHS England. Where not part of a commissioner's strategic commissioning intentions services will need to be provided as a charge to the customer or to the community pharmacy (see section 7.5 on non-commissioned services)
2e	Assess levels of uptake of advanced and community based services and follow-up low or high performers in order to share best practice.	There has been an increase in MURs compared with the PNA 2015 although this is still lower than the England rate. NHS England is responsible for overall performance of community pharmacy. Other commissioners (i.e. CCG or LA) should make an assessment appropriate to the services they commission.
2f	Keep under review the appropriateness of monitoring and quality visits to pharmacies, in addition to pharmacy self-assessment, in order to provide assurance of effectiveness and to promote service improvement.	NHSE undertakes targeted annual contractual visit based on information obtained from self-assessment as well as comments received from LCCCG, LA PH and where appropriate, the General Pharmaceutical Council (GPhC) and including patient comments/ feedback and complaints. The aim of these visits are to seek assurance and improve the quality of pharmacy services provided.
<b>3</b>	<b>Communication between Pharmacists and GPs and other health care workers</b>	
3a	Consider ways to promote the sharing and transfer of patient information electronically between pharmacists and GPs where this is necessary and appropriate.	Access to summary care records has been rolled out to community pharmacies since March 2016.
3b	Ensure effective communication relating to patient medication	Pharmacies providing MURs communicate with GPs where a change in medication is

	between GPs, pharmacists and healthcare or social workers.	required.  Considered by locality meetings, community pharmacies, and arrangements relating to Better Care Fund work in the city.
<b>4</b>	<b>Public information</b>	
4a	The Leicester City Council is to make available to the public, by its web-site, an up to date list of pharmacies, addresses and opening times.	Details available on City Council website. NHS England is responsible for keeping up to date list and forwarding this when changed to LCC. Currently up to date.

## 9.5 Summary and recommendation

This section has considered the use made of the 2015 Pharmaceutical Needs Assessment up to 31 March 2017 and notes that 13 applications under the control of entry applications for the city made between April 2015 and 31 March 2017.

Since December 2016 new regulations regarding mergers and consolidation of community pharmacies within the Health and Wellbeing Board area have been put in place which have implications for the Health and Wellbeing Board. It is recommended that NHS England provide detailed guidance to HWBs on these new responsibilities.

Regarding progress on the recommendations made in the PNA 2015, this shows some progress in areas such as Health Living Pharmacy, but overall limited progress due to the complex contractual arrangements for community pharmacies.

## 10.0 Consultation

### 10.1 Pharmacy questionnaire for local professionals:

In addition to the statutory consultation, a questionnaire was circulated to all community pharmacies in Leicester, to gain a better understanding of how they serve the local population.

There were 26 responses in Leicester providing data on consultation areas, disabled access, adaptations for patients with specified disabilities, patients who don't speak English, languages spoken by pharmacy staff, IT facilities, staffing levels, use of locums, provision of essential, advanced and local services, health promotion work and provision of pharmacies in terms of location, numbers and range of services. The results are given in Appendix 3.

### 10.2 Statutory 60 day consultation:

There is a statutory requirement for each Health and Wellbeing Board to consult a defined number of bodies about the contents of the pharmaceutical needs assessment for a minimum of 60 days. The consultation period took place between September and December 2017. There were 13 respondents and the majority (77%) agreed the purpose of the PNA had been explained sufficiently, provided an accurate account of community pharmacy services currently available in Leicester and adequately reflected the residents' needs. Full results are provided in Appendix 4.

## 11.0 Analysis of gaps in service

At 31 March 2017, Leicester has 86 pharmacies located across the City, including 5 distance selling pharmacies and one local pharmaceutical service.

Overall Leicester has more pharmacies per head of population than England (2.5 vs 2.1 pharmacies per 10,000 population).

### *Pharmacies and local populations:*

There are more pharmacies in the east of the city, with several closely located in Belgrave (around Belgrave Road), another cluster around Spinney Hills towards Stoneygate. In the west of the city the pharmacies are more widely spread, although there are a number along the Narborough Road area in the West End.

Using MSOA populations, the rate of pharmacies per 10,000 population ranges from 0 in Braunstone East, City Centre South and Southfields, New Parks West and Western Park to 5.7 in Belgrave. MSOA populations have been used to give a crude indication of the local population, however, it is recognised that some residents may be closer to a pharmacy in a different MSOA. But, as explained in the main body of the text above, MSOAs provide some way of talking about geographical differences in a situation where pharmacies do not serve defined populations and where locations of pharmacies are, in a large part, historically based. Additionally, the population rates do not consider the number of hours the pharmacies are open, the size of the pharmacy or number of whole time equivalent staff. Opening hours per week per

10,000 ward population range from 0 in Braunstone East, New Parks West and Western Park to 444 in West End.

*Access and travel times:*

Access and travel times to pharmacies in Leicester appear to be reasonable based on travel time analysis. Leicester residents should be able to access their nearest pharmacy within a few minutes by car, although this may take longer at peak travel times. Most residents will also be able to walk to their nearest pharmacy within 20 minutes however there are a few areas of the city which will take longer. It is difficult to show travel times by public transport as these will vary during the time of day and day of the week. However, based on a weekday morning, it shouldn't take more than 20 minutes to reach the nearest pharmacy. Travel analysis has only looked at travel times to a resident's nearest pharmacy and has not considered services offered or opening times. Residents may have to travel further for some services or to reach a pharmacy outside normal opening hours.

*Opening hours:*

The majority of pharmacies are open for at least 40 hours per week. Two pharmacies are open for less than 40 hours (35-39 hours per week), over half (44) are open between 40 and 50 hours per week, 24 between 50 and 60 hours, 11 pharmacies between 60 and 100 hours and 5 are open over 100 hours per week. With longer opening hours, pharmacies are able to offer more flexible access later in the evenings and on weekends. The 100 hour pharmacies are located in the West End, St Matthews and St Peters, Eyres Monsell, Belgrave and Hamilton. There is lower provision for extended opening hours on the west of Leicester, however there are two of 100 hour county pharmacies within 1km of the City border.

*Essential services:*

Essential services are provided by all pharmacies. All Leicester residents have access to a pharmacy within 20 minutes of their home, although some walk-times may be longer. There are fewer pharmacies in the west of Leicester compared with the east and opening times are generally shorter, however this does not imply inadequate provision.

Data regarding pharmacies providing a collection and delivery service shows that the vast majority do so, which to some extent may compensate, at least for patients with regular medicines, for there being smaller numbers of pharmacists in certain parts of the city.

*Advanced services:*

There are 5 advanced services which pharmacies may be accredited to offer. The main ones are Medicines Use Reviews (MURs) and New Medicines Services, the others are Appliance Use Reviews (AURs), Stoma Appliance Customisation (SAC) and more recently the flu vaccination service.

The majority of pharmacies are accredited to provide MURs (88%) and NMS (72%). These services are valuable in improving the patient's understanding of their

medicine and usage.

Pharmacies can only provide up to 400 MURs per year. The maximum 400 was carried out by 8 Leicester pharmacies in 2016/17 and 39 pharmacies carried out less than 200 MURs. Overall, there were 19,000 MURs and 6,500 NMS reviews in 2016/17. Pharmacies generally provided fewer NMS reviews; one pharmacy carrying out over 400 and the majority less than 200 per year.

The findings of MURs are sent to the patient's GP. Previously contract reviews found that joint working between pharmacists and GPs discussing MURs was very valuable. However, there were some GP Practices who ignored or challenged MURs. Encouraging better communication between GPs and pharmacists would improve the benefit from this service. It is recommended that MUR activity is monitored and the impact of this service is evaluated. Clinical effectiveness of MURs in Kent were studied in 2017<sup>21</sup>.

Very few pharmacies provide the specialised service for AURs (9). There are providers who deliver direct to patients and order on their behalf. The concern reported to us by pharmacies is that in primary care there has been a de-skilling of being able to provide this service and a greater reliance on these tertiary suppliers for ordering, product recommendation and patient reviews. Often the company who order on behalf of patients are also wholesalers or manufacturers of products in this field and employers of the specialist staff who carry out the reviews. No pharmacies provide SAC.

#### *Community Based Services:*

Community based services (CBS) are services locally commissioned by Local Authorities and Clinical Commissioning Groups (CCGs) which can be tailored towards the health needs of the local population. Pharmacies can be particularly effective in providing services to more hard-to-reach groups as they offer a walk-in service and do not require an appointment. They also offer valuable advice and support for people in making lifestyle choices and in managing their own health conditions.

*Note: the number of pharmacies offering the services below is reported at March 2017, and may not reflect the position in 2017/18.*

#### *Emergency Hormonal Contraception:*

There has been a reduction in the number of pharmacies providing EHC. At the end of March 2014, 55 pharmacies were offering this service, in March 2017, 11 pharmacies offered EHC. The majority of uptake is through the city centre pharmacies and two pharmacies in the West End (Narborough Road). Whilst these are areas with a high number of young people, it is also likely that many young people chose to

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<sup>21</sup> <http://psnc.org.uk/wp-content/uploads/2013/04/PSNC-Briefing-038.17-A-summary-of-literature-relating-to-MURs.pdf>

use this service at a more anonymous pharmacy in town rather than one that is nearest to their home.

*H-Pylori:*

H-Pylori breath testing is available at 22 pharmacies. GPs can identify and refer patients to an accredited pharmacy for testing, however pharmacies are not the only providers of H- pylori testing.

*Minor ailments service:*

Available at 41 pharmacies, this service provides an alternative to attending the emergency department at LRI when it may be unnecessary, or making a GP appointment. A review of minor ailment service is currently underway to assess effectiveness and role in the future.

*Needle exchange:*

Needle exchange services are available and provided by 10 pharmacies in Leicester through Turning Point since June 2016. In the first twelve months over 5,000 transactions from 1,500 individuals were reported. This service is part of a wider scheme in helping individuals to manage and recover from substance misuse. None of the 100 hour pharmacies are accredited for needle exchange.

*Palliative care:*

Ten pharmacies are accredited to offer palliative care. This service enables access to palliative care medicines and advice for patients during the last phase of their life. Palliative care should be targeted towards areas with high risk population, hospital discharges and those with respiratory problems. A review of the uptake of this service would provide information into how well this service is being used and with an ageing population, the potential for greater demand in the future.

*Smoking Cessation services:*

Nearly 800 people were helped and supported to stop smoking through 38 pharmacies in Leicester offering a Smoking Cessation service in 2016/17. This represents around a quarter of all people setting a quit date. The number of pharmacies offering this service has reduced from 55 reported in March 2014, with 17 pharmacies providing the service from April 2017. This has resulted from both over-provision in some areas, and low uptake of the service.

*Supervised consumption:*

Supervised methadone consumption is offered at 41 pharmacies across Leicester. As with needle exchange, this is part of a wider scheme in substance misuse harm reduction and recovery.

*Healthy Living Pharmacies:*

The Healthy Living Pharmacy (HLP) framework is a tiered commissioning framework

aimed at achieving consistent delivery of a broad range of high quality services through community pharmacies to meet local need, improving the health and wellbeing of the local population and helping to reduce health inequalities. The HLP concept provides a framework for commissioning public health services through three levels of increasing complexity and required expertise with pharmacies aspiring to go from one level to the next. It is also an organisational development framework underpinned by three enablers of:

- workforce development – a skilled team to pro-actively support and promote behaviour change, improving health and wellbeing;
- premises that are fit for purpose; and
- engagement with the local community, other health professionals (especially GPs), social care and public health professionals and Local Authorities.

There are three levels of service delivery within the HLP framework:

- Level 1: Promotion – Promoting health, wellbeing and self-care
- Level 2: Prevention – Providing services
- Level 3: Protection – Providing treatment

Details of service levels requirements can be found at: <http://psnc.org.uk/services-commissioning/locally-commissioned-services/healthy-living-pharmacies/>

Healthy Living Pharmacies (HLP) have a health and wellbeing ethos, where everyone in the team works together to proactively engage their customers in health promotion activities through advice on smoking cessation and obesity/healthy weight. They need a health promotion zone in the pharmacy and at least one full-time equivalent health champion, who has qualified for a Royal Society for Public Health (RSPH) level 2 award in understanding health improvement.

There are over 150 qualified health champions across Leicester, Leicestershire and Rutland (December 2017) and more working towards it. Leicester has 46 pharmacies accredited to Healthy Living Pharmacy level 1<sup>22</sup>.

#### *Community Pharmacy IT:*

The Electronic Prescription Service (EPS) enables new and repeat prescriptions to be sent electronically from the GP Practice to the patient's nominated pharmacy.

Pharmacies are now able to access an electronic summary care record (SCR) for patients. The NHS Summary Care Record (SCR) is an electronic summary of key clinical information (including medicines, allergies and adverse reactions) about a patient, sourced from the GP record with the patient's consent. SCR was rolled out to pharmacies from March 2016 and will help support safer patient care and treatment.

A web-based system called PharmOutcomes<sup>23</sup> collates information on pharmacy services. Local and national analysis and reporting of PharmOutcomes helps improve the evidence base for more effective community pharmacy services.

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<sup>22</sup> <https://www.rsph.org.uk/our-services/registration-healthy-living-pharmacies-level1/register.html>

<sup>23</sup> <http://psnc.org.uk/services-commissioning/pharmoutcomes/>

## 12.0 Conclusions and Recommendations

This assessment looks at current provision of pharmacy services and concludes that overall provision of pharmacy services is adequate for the population of Leicester. There are differences in local provision of services across the city and it may be that residents in some areas have to travel a little further to access a particular service or out of normal working hours.

This PNA has reviewed the location and access to pharmacies for the residents of Leicester as at the end of March 2017. It has given information showing which pharmacies provide advanced and community based services in addition to their essential services. Pharmacies also provide services directly of benefit to patients on a 'voluntary' basis, which is without being commissioned to do so by NHS England, the CCG or Leicester City Council.

Medicines Use Reviews (MURs) and New Medicines Services (NMSs) are advanced services for which most pharmacies are accredited. The number of reviews carried out by pharmacies varies across the city, and overall has increased between 2015 and 2017, and given the potential benefit to patients, pharmacies should be encouraged to carry out more reviews.

Community based services offer a range of locally commissioned services to the local population and can be tailored to meet specific local healthcare needs. The uptake of some of these services has been included to give an idea of numbers, however, due to data restrictions, it cannot assess whether the service adequately meets the needs of the population. A review of service quality and uptake, including consideration of cultural and equalities needs could provide insight into the effectiveness of these local services.

Pharmacies can provide a valuable service to patients, particularly those more hard-to-reach groups who can take an advantage of a drop-in service at a time more convenient to themselves without the need for an appointment. It may also be more appealing to use a less formal environment within a pharmacy compared with the GP surgery.

### 12.1 Recommendations:

#### **Equity of services:**

Leicester has a higher rate of pharmacies per 100,000 of population than is found in England overall. However, Leicester's pharmacies are not evenly distributed throughout the city. The reasons for this are historic and commercial. The result is that some areas of the city have clusters of pharmacies while in other areas coverage is more thinly spread, and, working on the basis that people generally prefer to go to a nearby pharmacy, patients have a greater or lesser degree of choice, depending on where they live in the city. Equity in a service context can be viewed through the lens of access – can people physically get to the service? Take up - are there cultural,



language or attitudinal barriers that may deter use? Outcome - do customers get the service they need and feel satisfied with that service?

NHS England (and where relevant Leicester City Council and Leicester City Clinical Commissioning Group) should:

- Keep locations and opening times under review to assess whether access to pharmacies for essential services is equitable for all Leicester residents.
- Work with pharmacies and the Local Pharmaceutical Committee to examine how equity issues can be further addressed and particularly how the requirements of Community Pharmacy 2016/17 and beyond are progressing and impacting on the city's prevention agenda.
- Keep under review where Community Pharmacy provision has cross-city and county-border use to ensure that issues of quality and uniformity of access to advanced and community based services are regularly considered.

### **Promote optimal use of pharmacy services in promoting health and healthcare management**

NHS England (and where relevant Leicester City Council and Leicester City Clinical Commissioning Group) should:

- Encourage the further implementation of Healthy Living Pharmacy to promote healthier lifestyles through pharmacies so that individuals can gain advice and support in reducing unhealthy behaviours and adopting healthier ones.
- Ensure that the promotion of healthy lifestyles (Public Health) requirement of the essential services contract is fulfilled (see section 5.1.1). While NHS England retains responsibility for this area of the pharmacy contract, local campaigns should in future be jointly defined by NHS England, Local Authority Public Health and Leicester City Clinical Commissioning Group.
- Consider and encourage the opportunity to include and develop the role of pharmacies in commissioning strategies and through the wider Sustainability and Transformation Plans - particularly in relation to providing services which deflect work out of primary care general practice.
- Assess levels of uptake of advanced and community based services and follow-up low or high performers in order to share best practice.
- Keep under review the appropriateness of monitoring and quality visits to pharmacies, in addition to pharmacy self- assessment, in order to provide assurance of effectiveness and to promote service improvement.

## **Implications of Community Pharmacy 2016/17 and beyond implementation**

NHS England (and where relevant Leicester City Council and Leicester City Clinical Commissioning Group) should:

- Provide detailed guidance to the Health and Wellbeing Board on new responsibilities given to it in connection with regulations re. mergers and consolidation of community pharmacies within the Health and Wellbeing Board area.
- Review, with Leicester City Council and Leicester City CCG, evidence of impact of policy and funding changes on services annually and report any findings to the Health and Wellbeing Board with appropriate advice.

## GLOSSARY OF TERMS

ALARM	Anaemia, Loss of weight, Anorexia, Recent onset of progressive symptoms, Melaena / haematemesis
AUR	Appliance Use Review
BME	Black and Minority Ethnic
CBS	Community Based Services
CCG	Clinical Commissioning Group
CHD	Coronary Heart Disease
CKD	Chronic Kidney Disease
COPD	Chronic Obstructive Pulmonary Disease
CVD	Cardiovascular Disease
EHC	Emergency Hormonal Contraception
EPACT	Electronic Prescribing Analysis and Costing
EPS	Electronic Prescription Service
GP	General Practitioner
GPhC	General Pharmaceutical Council
H. Pylori	Helicobacter Pylori
HLP	Healthy Living Pharmacy
HWB	Health and Wellbeing Board
IMD	Index of Multiple Deprivation
JHWS	Joint Health and Wellbeing Strategy
JSNA	Joint Strategic Needs Assessment
LCC	Leicester City Council
LCCCG	Leicester City Clinical Commissioning Group
LLR	Leicester, Leicestershire and Rutland
LPC	Local Pharmaceutical Committee
LPS	Local Pharmaceutical Services
MDS	Monitored Dosage System
MSOA	Middle Super Output Area
MUR	Medicines Use Review
NHS	National Health Service
NHSE	National Health Service England

NMS	New Medicines Service
NRT	Nicotine Replacement Therapy
ONS	Office for National Statistics
PhAS	Pharmacy Access Scheme
PNA	Pharmaceutical Needs Assessment
PSNC	Pharmaceutical Services Negotiating Committee
POPPI	Projecting Older People Population Information System
RSPH	Royal Society for Public Health
SAC	Stoma Appliance Customisation
SCR	Summary Care Record
STP	Sustainability and Transformation Plans