

Data Management and Analysis Group

Demography Team Workplan 2006-07



DMAG Briefing 2006/8

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Introduction

The GLA Demography Team is part of the Data Management and Analysis Group within Corporate Services Directorate. The Team has four posts:

- Demographic Consultant - **John Hollis** – who leads both the Demography Team and the Social Exclusion Team.
- Senior Research and Statistical Analyst (Ethnic Demography) – **Baljit Bains**
- Research and Statistical Analyst (Demography) – **Georgia Hay**
- Research and Statistical Analyst (Ethnic Demography and Health) – **Ed Klodawski** – whose post is shared with the London Health Observatory

The Team's main clients may be segmented as follows:

- The Mayor's Office – for support for strategies
- The London Plan Team – specific involvement regarding the supporting projections for the first review of the Plan as well as regular monitoring
- Other teams in the Data Management and Analysis Group – particularly support for the Social Exclusion Team (Claimant Count Model) and the Education Team (School Roll Project)
- The GLA Directorates
- The Greater London Assembly
- The Functional Bodies
- The London Boroughs and the Association of London Government
- The London Health Observatory plus health authorities and PCTs within London

Academics, the media, the voluntary sector and various businesses working on public sector projects often seek the work and advice of the Team.

The Team has close two-way relationships with the Office for National Statistics, the Office of the Deputy Prime Minister and the Government Office for London on matters involving London's demography.

The Team is responsible for monitoring demographic change within London, using a range of data sources, most of which are provided by ONS and ODPM. The interpretation of the trends in fertility, mortality, marital status, migration, household formation and labour force participation leads to regular projections at borough and ward level as follows:

- Borough population, households, labour force and ethnic groups
- Ward population, households and labour force

During 2006-07 it is planned to extend the ethnic group projections to cover households, by type and the ethnicity of the 'representative', and the labour force as well as the resident population by age and gender.

The Team holds regular meetings of the Demography Liaison Group, which includes representatives from the client groups mentioned above, including all London boroughs.

The DLG discusses the Team's work, which is made available on the GLA Demography Extranet and published as *DMAG Briefings* and *DMAG Updates* as well as other publications linked to the London Plan.

As part of the role of analysing and reporting on London's demography, members of the Team represent London-wide interests on the following forums:

- British Society for Population Studies (President)
- ONS CLIP Census Advisory Group (LA Lead)
- ONS 2011 Census LA Liaison Steering Group
- ONS 'IMPS' Advisory Group
- ONS CLIP Population Subgroup
- ONS Small Area Population Estimates Working Group
- ONS Population Definitions Advisory Group
- ODPM Consultative Group on Projections in Planning
- ALG Census Working Group
- TfL Forecasting Group

The meetings of these groups enable the GLA to put London's case for better census and other demographic statistics to government and also help to maintain the high national profile of GLA demographic work.

During early 2006 the Team has been closely involved with the development of two GLA contracts:

- Leeds University, working with Edge Analytics, is looking at data availability and reviewing potential methods for *Estimating London's New Migrant Population*. The final report is due in March. If the results are such as to prompt this research to be pursued there will be a second contract to develop the estimates. The Demography Team will have a leading part to play in this further work.
- In relation to the *London Plan* review, Berkeley Hanover Consulting with Bone Wells Associates have been appointed to develop *Scenarios* that test the assumptions and forecasts that underlie the *Plan* and its emerging policies. The Demography Team is involved in running alternative projections. The final report is due in April.

This *Briefing* sets out the planned timetable of work through 2006-07 required to meet the above objectives with a key requirement being to complete the updating the GLA suite of demographic models to account for new household formation data.

2006-07 Priorities

During 2006-07 the main priorities of the Team will be to prepare a range of projections at various levels, and to provide data and expertise on all aspects of the demography of London for the GLA family, the London boroughs and others.

Specific items for 2006-07 will include:

- To support the GLA-wide work on *Reviewing the London Plan* by the production of a range of demographic projections and supporting documentation. After consultation with the Assembly and the GLA group in late spring the *Plan* will be made available for public consultation in the autumn. An Examination in Public is scheduled for summer 2007.
- To assist the ONS/ODPM consultation with the London boroughs on the migration assumptions to be used in the ONS 2004-based subnational population projections.

To prepare the annual round of GLA demographic projections as follows:

- Borough level population projections utilising the *2004 London Housing Capacity Study*, updated estimates of recently completed development, the latest national and local trends in fertility and mortality and the latest data on migration affecting London.
- Borough level household projections, consistent with the population projections, incorporating all relevant output from the 2001 Census, particularly as regards marital status and household representative rates, and the results of the ODPM 2003-based household projections.
- Borough level resident labour force projections incorporating all relevant output from the 2001 Census, particularly as regards economic activity rates, and the results of the ONS national labour force projections.
- Ward level population, household and labour force projections linked to the borough level projections. These projections specifically support DMAG work on school rolls forecasting and TfL transport planning.
- Borough level ethnic group population projections linked to the borough population projections. These projections will also include household and labour force projections should the results of research prove this to be feasible.

To research aspects of London's population with special reference to ethnic and health demography, including:

- Projecting the labour force by ethnic groups.
- Household representative rates and household projections for ethnic groups.
- Ethnic group morbidity and disease prevalence

- New ways of monitoring change in London's ethnic populations

The work of the Team will be communicated as follows:

- *DMAG Briefings and Updates* will describe new inputs to the demographic projection models as well as detailing the main results of the projections. They will also report GLA research and describe and analyse emerging national demographic datasets.
- Alerting, data and enquiry services will be provided to the GLA family, the London boroughs and others on new demographic data relevant to London produced by central government and other agencies (eg ONS mid-year population estimates and projections, migration estimates and ODPM household projections). These services will also handle ad hoc enquiries relating to London's demography, some of which will be received by the GLA as 'Freedom of Information' requests from the public, some will be part of the regular Responding to London service, some will be from the media and others will emanate from the Assembly or be Mayoral Questions.
- The GLA Demography Extranet will be updated regularly to accommodate all new GLA projection results, new national datasets and the Demography Team's *Briefings and Updates*.
- The Demography Liaison Group (DLG), at which the Team's major clients come together to discuss data and issues pertinent to the demography of London, particularly with regard to influences on future trends, will meet three times a year. The DLG will feature major presentations on the work of the Demography Team and will include invited presentations from government and academia as relevant. Other ad hoc meetings will be held as may be necessary.

The Team will represent the GLA family and London boroughs at meetings with data providers, eg ONS and ODPM, to ensure London's requirements and concerns are understood and, as far as possible, met.

Data Supply

The Demography Team is critically dependent upon the availability of data supplied mainly by ONS but also by other government departments and other organisations. This section outlines the key data that should be made available up to the end of March 2007.

ONS 2001 Census

Although the Census took place nearly five years ago the GLA is still receiving tables commissioned by the Demography Team for use in updating and developing the models. Negotiations with ONS on the specifications of further tables are ongoing. Among tables anticipated becoming available in the next few months is:

- Household representatives by type of household and total household population by age, gender, marital status and ethnic groups for boroughs

ONS Estimates and Projections

ONS is due to release mid-2005 population estimates in August 2006. As well as the estimates themselves GLA will receive full details of the analysis of population changes between mid-2004 and mid-2005. Improved annual analyses of change at borough level for the years 1991-2002 are also expected during the year.

ONS is developing a work programme of Local Authority Population Studies. This involves two London boroughs, Barnet and Hammersmith & Fulham. The Demography Team is represented on the Advisory Group on this work and will press for results relevant to London as a whole. The Team has had discussions with ONS about the research necessary to improve the estimation of migration at borough level within London. ONS is due to publish initial findings early in 2006 and the GLA will be studying these results and advising on their implementation in the mid-year estimates process.

In January 2006 ONS published local authority estimates by ethnic groups for years 2001 to 2003. It is not yet certain whether ONS will publish further estimates, or even projections, by ethnic groups during 2006-07. GLA has been involved with ONS in discussing the methodology and will be reporting further on additional sets of these experimental statistics.

During the Spring/Summer of 2006 ONS/ODPM will be consulting with local and health authorities on the migration assumptions to be used in the ONS 2004-based subnational population projections. These projections will be constrained to the GAD 2004-based projection for England that was published in November 2005. The Demography Team will be assisting the boroughs in the consultation process. With the establishment in January 2006 of the National Statistics Centre for Demography, ONS intends in future to prepare subnational projections with a 25-year horizon every second year.

ONS also has the responsibility of issuing updated estimates of national, regional and local migration, both within the UK and to/from abroad. Migration within the UK is measured by the recorded changes of NHS patient registrations. The international migration statistics are drawn from a number of sources: the International Passenger

Survey, Home Office records on asylum seekers and visitor switchers and data from Irish surveys. Several datasets are released regularly throughout the year relating to quarters, calendar years and mid-year to mid-year periods. These data are used by ONS in the preparation of the mid-year estimates but are also valuable for local monitoring of trends. The Demography Team in preparing the annual round of GLA population projections also uses these data. Estimates of UK migration up to the end of June 2005 are expected in March 2006 with additional quarterly data at regular intervals. Details of international migration at regional level for calendar year 2004 are expected in April 2006. National level data for 2005 should become available in November 2006.

Another long-awaited output from ONS was an updated national projection of the labour force. The projection was published in January 2006, reported on by the Demography Team and used in new labour force projections for London. No further national labour force projections are anticipated during 2006-07.

ONS prepares a huge number of regular statistics that are not necessarily mainstream demography, but also publishes research and analysis on many demographic topics. These are usually ad hoc and the Demography Team regularly scans the ONS website for relevant material and publicises this to the Demography Liaison Group.

ONS Vital Statistics and Electorates

Fertility and mortality data necessary for the Demography Team to update models are received in a number of ways. Some data are received as part of the annual change analysis of ONS mid-year estimates, others are part of standard 'VS' outputs and others are special requests. As it is not anticipated that the Team will be doing detailed fertility or mortality analyses in 2006-07 it is likely that standard ONS products will be sufficient this year.

Borough and ward electorate returns are received annually, usually in the spring following the autumn electoral canvass. These are used in the ward population projections.

Government Actuary's Department

The GAD 2004-based national population projections were published in November 2005. These were the last projections of this kind to be prepared by the GAD, as its demography function became part of the National Statistics Centre for Demography in January 2006. It is expected that national projections will continue to be prepared on a two-year cycle, with the next being 2006-based in late 2007. GLA projections utilise the national fertility and mortality assumptions that are developed for these projections, but are independent of the migration levels used in the national projections. The GLA, via the British Society for Population Studies, has been invited to be represented on an expert group to advise on national demographic assumptions.

ODPM

The ODPM mid-2003 based household projections have been eagerly awaited, as they will play a vital role within future GLA household projections. They are currently expected to be available in March 2006. The 2003-based projection is the first to use 2001 Census data on households by type and age/gender/marital status of the household representatives. These projections are always potentially extremely

controversial and during 2005-06 the Demography Team has been part of a small panel of regional demographers that has helped ODPM quality assure the methodology and provisional results. As ONS has indicated that it will produce subnational population projections every second year ODPM is now also minded to prepare household projections on a two-year cycle.

Council tax data for London are also obtained from ODPM.

Home Office

The Home Office issues quarterly and annual analyses and statistics on asylum seekers. As this is a key group of arrivals into London these data are also valuable for monitoring London's population dynamics.

The Home Office also carries out, commissions and publishes other research, some relevant to migration/asylum, that are regularly reviewed for material relevant to London's demography.

GLA

July 2005 saw the publication of the *2004 London Housing Capacity Study*. This data plays an important part of *Reviewing the London Plan* and has been used in the GLA 2005 Round demographic projections.

Much of the Demography Team's efforts in the coming year will be focussed on the *Review*. In particular a series of projections will be produced looking at a range of scenarios (variations in housing development, variations in household formation, alternative migration) that are being developed by consultants during early 2006.

The Team will also be utilising development data collected by the boroughs and the GLA via the London Development Database (LDD) and any short-term data on specific future developments supplied by the boroughs. These data will assist in preparing borough and ward population estimates for years from mid-2001 up to mid-2006 as part of the population projection modelling service. These projections are steered via the GLA Projections Harmonisation Advisory Group, which has members from TfL and LDA as well as the GLA.

Research and Publications Programme

The main items of research that are planned for 2006-07 will be those required to update or, potentially, to improve the demographic models.

The Team is soon to publish *DMAG Briefings* on:

- Borough migration trends 1991-2004
- Migration structures used in the GLA projections model
- Projecting ethnic group economic activity rates

Further *Briefings* will detail:

- Projecting ethnic group household representative rates
- Ethnic migration structures used in the GLA ethnic projections model
- Development of the ethnic group projections model (Labour force and households)
- The borough household model
- Improvements to the small area population projections model

A series of *Briefings* will detail the results of GLA projections:

- 2005 Round Ethnic Projections (March 2006)
- 2005 Round Borough Household Projections (April 2006)
- 2006 Round Borough Projections (October 2006)
- 2006 Round Ward Projections (December 2006)
- 2006 Round Ethnic Projections (January 2007)

Other planned *Briefings*, not primarily concerned with the demographic models, will look at the following issues:

- Key Facts for Diverse Communities (April 2006)
- Further ethnic analysis of Health Episode Statistics – probably a mortality topic

The team will continue to report on the release of significant data by ONS and ODPM including the following as an anticipated minimum, with approximate dates:

- ODPM 2003-based household projections (March 2006)
- ONS 2004-based subnational population projections (August 2006)
- ONS mid-2005 population estimates (September 2006)
- ODPM mid-2004 household estimates
- ONS LA Population Studies

In addition there will be a continuation of the annual updating of:

- Borough and London Plan Sub-region Profiles (March 2006)
- Greater London Demographic Review 2005 (December 2006)

Timetable for producing GLA projections

The following timetable is dependent upon the release of specific data sets by ONS, and ODPM. While every effort will be made to keep to the timetable, in certain circumstances it may be necessary to choose between delay and non-inclusion of an expected new input.

The 2004 Round was delayed while waiting for the results of the *2004 London Housing Capacity Study* and became the 2005 Round, but the 2006 Round should be prepared to what is anticipated to be a regular schedule.

The basic timetable to produce borough population and household projections in October each year is critically dependent upon the release of new mid-year estimates. From 2006 the mid-year estimate change analyses should be available by early September. The other projections are then dependent upon the borough population results.

Borough: Population

2006 Round **October 2006** - will incorporate annual birth, death and migration changes up to mid-2005. **The critical dependency is the availability of the ONS mid-2005 population estimates and the appropriate change analyses.**

Borough: Households

2005 Round **April 2006** - the critical dependency is the ODPM 2003-based household projections.

2006 Round **October 2006.**

Borough: Labour Force

2006 Round **November 2006.**

Borough: Ethnic Group

2005 Round **March 2006.**

2006 Round **January 2007.** Including households and labour force, subject to outcome of research into data and methods.

Wards: Population, Households and Labour Force

2006 Round **December 2006.** This round will incorporate births and deaths up to mid-2005 and the October 2005 electoral canvass as well as additional borough development data.

Appendix: Demography Team Publications in 2005 and early 2006

Briefings

2005/7	Claimant Count Model: Technical Note (with Social Exclusion Team)
2005/9	Borough Fertility Rates: 2000-02
2005/10	Borough Life Tables: 2000-02
2005/11	Demography Workplan 2005-06
2005/12	Ethnic Diversity Indices
2005/13	London Borough and Sub-Region Profiles (2003)
2005/15	GLA Ward Population Projection Manual
2005/17	Focus on London's Demography
2005/21	Transgenerational Ethnicity
2005/23	2001 Census Economic Activity Rates
2005/24	Ward Risks of Population Change
2005/25	Child Yield
2005/26	Religious Diversity Indices
2005/27	ONS Mid-2004 Population Estimates
2005/33	GLA 2005 Round Interim Demographic Projections
2005/38	Patterns of Ethnic Segregation In London
2005/39	London's Changing Population (with Census Team)
2005/40	GLA 2005 Round Interim Ward Population Projections
2005/45	Greater London Demographic Review 2004
2006/5	GLA Resident Labour Force Projections

Updates

2005/4	Where have all the Irish babies gone?
2005/5	GAD 2003-based National Marital Status Projections
2005/8	2001 Census Households and Dwellings
2005/11	GAD 2004-based National Population Projections
2005/13	Life Expectancy at Birth
2005/15	2004 Mid-year Estimates – Harrow Correction
2006/1	Changes to the 2001 base population
2006/3	Projections of London's Children
2006/4	ONS Labour Force Projections, 2006 to 2020
2006/5	ONS Ethnic Group Population Estimates, 2001 to 2003

Regular Briefings from the GLA Data Management and Analysis Group

Recent DMAG Briefings:

DMAG 2005/12	Ethnic Diversity Indices	Baljit Bains
DMAG 2005/13	London Borough and Sub-Regional Demographic Profiles (2003)	Georgia Hay
DMAG 2005/14	Guide to accessing the LHS at the ESRC Data Archive	Lovedeep Vaid
DMAG 2005/15	GLA Ward Population Projection Manual	Georgia Hay
DMAG 2005/16	Income Poverty in London: 2003/04	Lovedeep Vaid
DMAG 2005/17	Focus on London's Demography	John Hollis
DMAG 2005/18	Census Information Note 2005-1	Eileen Howes
DMAG 2005/19	2001 Census: London Country of Birth Profiles – The Arab League	Giorgio Finella
DMAG 2005/20	Benefits Data for London: No 1 Income Support	Lovedeep Vaid
DMAG 2005/21	Transgenerational Ethnicity	Baljit Bains/ John Hollis/ Vicky Clarke
DMAG 2005/22	Workless Households in London	Lorna Spence
DMAG 2005/23	2001 Census Economic Activity Rates	Georgia Hay
DMAG 2005/24	Ward Risks of Population Change	John Hollis
DMAG 2005/25	Child Yield	John Hollis
DMAG 2005/26	Religious Diversity Indices	Baljit Bains
DMAG 2005/27	ONS Mid-2004 Population Estimates	Georgia Hay
DMAG 2005/28	Benefits Data for London: No 2 Incapacity Benefits and Severe Disability Allowance	Lovedeep Vaid
DMAG 2005/29	Paycheck 2005: An analysis of Household Income Data for London	Lovedeep Vaid
DMAG 2005/30	2001 Census: The migration patterns of London's ethnic groups	Marian Mackintosh
DMAG 2005/32	Moving Home and Changing School	David Ewens
DMAG 2005/33	GLA 2005 Round Interim Demographic Projections	John Hollis/ Georgia Hay
DMAG 2005/34	Introducing the Annual Population Survey	Lorna Spence
DMAG 2005/35	Trends in Household Worklessness in London	Lorna Spence
DMAG 2005/36	Options. Improving the Evidence Base for School Places Planning	David Ewens
DMAG 2005/37	Benefits Data for London: No 3 Children in Benefit Claiming Families	Lovedeep Vaid
DMAG 2005/38	Patterns of Ethnic Segregation in London	Baljit Bains
DMAG 2005/39	London's changing population	Eileen Howes (editor)
DMAG 2005/40	GLA 2005 Round Interim Ward Population Projections	Georgia Hay
DMAG 2005/41	Statistics of Schools in London: Key Facts 2001-2005	Karen Osborne
DMAG 2005/42	Model-based income estimates (2001/02)	Lovedeep Vaid
DMAG 2005/43	Census Information Note 2005-2	Gareth Piggott
DMAG 2005/44	2001 Census: London County Report	Gareth Piggott
DMAG 2005/45	Greater London Demographic Review 2004	Demography Team
DMAG 2006/1	Census Information Note 2006-1	Eileen Howes
DMAG 2006/2	Simpson's diversity indices for wards 1991 and 2001	Gareth Piggott
DMAG 2006/3	2001 Census: The health of a diverse population	Gareth Piggott
DMAG 2006/5	GLA Resident Labour Force Projections	John Hollis
DMAG 2006/6	Parents and Work in London	Lorna Spence
DMAG 2006/7	Claimant Count Model: Technical Note 2006	Lorna Spence/ Georgia Hay

A full list of DMAG Briefings is available to internal customers through the GLA Intranet; otherwise please contact dmag.info@london.gov.uk A CD containing PDF versions of the Briefings, or hard copies, can be provided.

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