

## EMS Advisory Committee Meeting: June 21, 2017

**Attendees:** Brandt Butte (AMR), Andy Adolfson (Bellevue), Jeff Clark (Eastside Fire), Cynthia Bradshaw (KCEMS), Helen Chatalas (KCEMS), Jamie Emert (KCEMS), Michele Florde (KCEMS), Tom Rea (KCEMS), Allison Shaffer (KCEMS), Keith Keller (KCM1), Peter Kudenchuk (KCM1), Aaron Tyerman (Maple Valley), Steve Heitman (Mercer Island), Mitch Snyder (Puget Sound), Mike Hilley (Redmond), Matthew Nelson (Redmond), Tony Smith (Redmond), Chuck DeSmith (Renton RFA), Rick Chaney (South King), John Rickert (South King), Chris Flores (Tukwila), Lora Ueland (Valley Com), Vonnie Mayer (Valley Com), Melina Kuzaro (VRFA), Kevin Olson (VRFA)

### I. EMSAC Membership - Michele Florde



EMSAC Membership  
List 2017

The King County Fire Commissioners Association notified Director Florde by letter that Fire Commissioner Jon Kennison would step down from his position on the EMS Advisory Committee, effective immediately. A very special thank you to Jon Kennison for over 18 years of service to the committee. The Fire Commissioners Association will assign a new representative.

There are also two vacancies that require nominations: the Citizen representative and the Health Care representative. The current process for nominations is to notify the division director in writing with approvals at the next meeting. Recently retired, Ed Plumlee has been nominated by the Fire Commissioners for the Citizen rep. Please forward nominations for either positions to Michele for review and approval at the September meeting.

### II. Preliminary 2016 Cardiac Arrest Statistics - Dr. Tom Rea



Rea - EMSAC  
Summary Cardiac Arr

Cardiac arrest resuscitation is a benchmark condition for an emergency medical system in a community that brings all the pieces into play since you have to have skills, judgment, and teamwork across the scene to be successful. We have measured, discussed and worked with stakeholders to make incremental improvements for many years.

Attached is the 2016 summary report for King County. The number of cardiac arrests in the County has been very steady because we are better at treating and preventing CA. In 2016, there were over 1,200 arrests with an overall survival rate of 24%. This means 288 people are now alive because of EMS intervention. As a comparison, the national average is 10% which equals only 123 survivors.

The Utstein survival rate for witnessed arrests with ventricular fibrillation rhythm is 56%. Bystander CPR has increased to 73% and a major contributor for King County having such a high survival rate. This is a very important marker of how we deliver care and we will continue to push forward to do our best in the future.

These numbers are preliminary but certainly share with your teams. The finalized numbers will be included in the 2017 EMS Annual Report as a way to formally notify Public Health and our elected officials. Michele develop talking points for a consistent message.

### III. Stroke – Jamie Emert (Epidemiologist) and Allison Shaffer (Instructional Designer)



SKC Stroke Triage  
Eval Project 2017 rev

We were criticized 10 years ago for our focus on Cardiac Arrest so we took that information and researched other regional measurable incidents. Jamie is working on STEMI and STROKE and Allison is developing the courseware for strokes.

There are about 3000 suspected ALS and BLS case of stroke cases a year – spread throughout the county. In 2012, King County EMS piloted linking stroke registry data from one hospital to our KCEMS central database. The results of the pilot provided impetus to expand the program to the rest of the county. Starting in 2013, KCEMS partnered with sixteen stroke treatment hospitals in King County in a region-wide quality improvement (QI) program to monitor our stroke system of care. From 2013-15, QI efforts involved accuracy in prehospital identification of stroke and system efficiencies related to ischemic stroke patients potentially eligible to receive hospital treatment of intravenous-tPA within 4.5 hours of time Last Known Well. In early 2015, five international trials indicated a new therapy – i.e. thrombectomy-- for ischemic stroke patients found to have a large vessel occlusion (LVO). Thrombectomy includes a mechanical retrieval of a clot in the brain, which should also be provided within six hours of Last Known Well. Though all hospitals in King County can provide t-PA, not every hospital can provide this thrombectomy intervention. Significant delays in getting a patient to a thrombectomy-capable facility could put a patient outside of that treatment window. In 2015-16, KCEMS worked with hospital partners and other stakeholder groups to determine how best to identify LVO patients in prehospital setting and get them to definitive care. In 2017, KCEMS implemented a revised stroke triage tool and initiated a surveillance program to evaluate the effectiveness of the tool (see STROKE handout for further information). Jamie shared trends from the QI data and case review processes with Allison, who then incorporated that information into the EMS Online course development.

#### Stroke - Allison Shaffer (Instructional Designer for EMS courseware)



Stroke EMS Course  
Development

Jamie and Allison started collaborating one year and a half ago to update the EMS online stroke training. In 2016, the goal was to develop a BLS stroke course, and in 2017, to develop an ALS-focused stroke course. During each phase Allison worked with subject matter experts to make sure our training is excellent.

On January 1, 2017 we released the BLS course showing the best practices with 2 examples ( LAMS <= 3 and LAMS score = 4, 5). The course demonstrates the FAST and LAMS assessment techniques. The ALS course is in final stages of development and explains the continuum of care including prehospital, ED, stroke care team, interventional neurology and rehabilitation perspectives. They hear from each of the hospital providers about the decision process on giving the IV-tPA and/or thrombectomy, addressing questions such as why high LAMS scores may not receive endovascular intervention. The goal is to inform EMS about what information hospitals need to expedite care, as well as potential stroke treatment pathways once the patient arrives at the hospital.

These BLS-ALS stroke courses are only two of the Neurological course package on EMS online. The goal is to create a library to pick and choose what is the most important for your team. We want to continually challenge our providers so people do not just do training on January 2<sup>nd</sup>. ALS will go live June 30<sup>th</sup>.

#### IV. Financial Report – Cynthia Bradshaw



EMSAC Finance  
Report June 2017



Economic and  
Revenue Forecast EV

**Financial Plan** updated to include Center for Evaluation of EMS (CEEMS) grants, entrepreneurial projects and donations as King County moved these programs from the PH Fund to the EMS Fund in 2016. 2015 numbers were updated based on some funds transferred at the end of 2015. Revenues, primarily property taxes, are projected ~5% higher than the original levy plan. This increase in revenues has accommodated increased costs, including the ALS mid-levy allocation adjustment recommended at the March EMSAC meeting (also included in updated Use of Reserves table). Adjusted ending undesignated fund balance at the end of the levy is currently projected at about \$1.5 million.

**Temporary Medic Service.** Reviewed request for a temporary part-time ALS unit to mitigate multiple construction projects in the Sammamish area (including major arterials). Proposal includes a Bellevue ALS unit, 12 hours a day, 7 days per week, from August 1, 2017 up to January 31, 2018. Funding will be from ALS capacity reserves for costs to not exceed \$356,900. Proposal was unanimously recommended for funding.

**Mobile Integrated Health Project.** Reviewed proposal by Redmond. Funding will come from Efficiencies & Effectiveness SI funds set aside for alternative approaches to low acuity and similar calls. Proposed budget is \$215,150. Proposal was unanimously recommended for funding through December of 2018 and will include information to be used during levy planning.

**Economic Forecast presentation.** Select slides from the Economic Forecast presented by David Reich, King County Economist, to the June EMSAC Financial Subcommittee was presented. All were encouraged to review the full presentation included in meeting notes.

#### V. Levy Planning Update – Helen Chatalas



EMSAC levy facts  
FINAL .pdf

At the recent EMS Levy Stakeholder meeting in May, the EMS Division asked for input in drafting a simple levy speaking points (see attached). Please review and provide any additional comments. The group was also asked for input on the best means of communicating – email was unanimously favored. Suggested including links for easy access to information.

**We look forward to seeing you at our next meeting:**

**September 20, 2017 Tukwila Community Center 1:00-3:00 PM 12424 – 42<sup>nd</sup> Ave S, Tukwila**